Full wwPDB EM Validation Report ⓘ

Aug 5, 2026 – 08:06 AM EDT

PDB ID	:	6NWA / pdb_00006nwa
EMDB ID	:	EMD-0524
Title	:	The structure of the photosystem I IsiA super-complex
Authors	:	Toporik, H.; Li, J.; Williams, D.; Chiu, P.L.; Mazor, Y.
Deposited on	:	2019-02-06
Resolution	:	3.48 Å(reported)

This is a Full wwPDB EM Validation Report for a publicly released PDB entry.

We welcome your comments at *validation@mail.wwpdb.org*
A user guide is available at
https://www.wwpdb.org/validation/2017/EMValidationReportHelp
with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at
http://www.wwpdb.org/validation/2017/FAQs#types.

The following versions of software and data (see references ⓘ) were used in the production of this report:

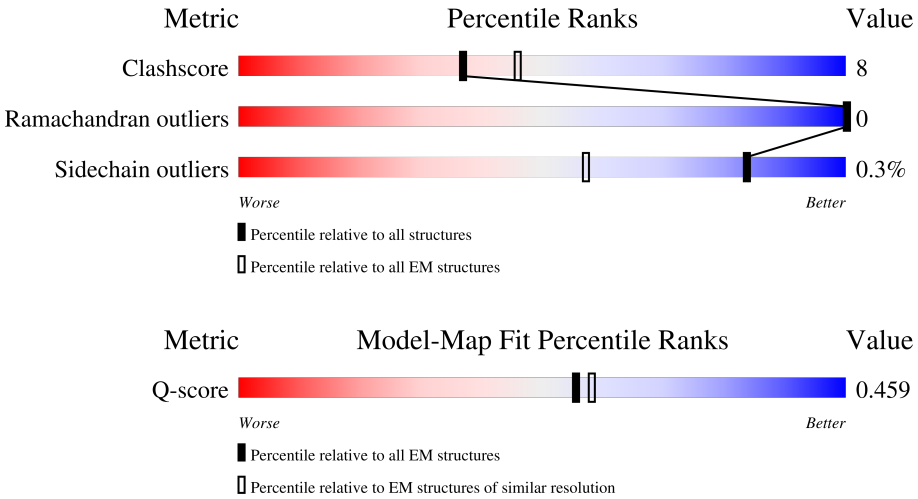
EMDB validation analysis	:	0.0.1.dev133
Mogul	:	2022.3.0, CSD as543be (2022)
MolProbity	:	4-5-2 with Phenix2.0
Buster-report	:	wwPDB partial adaption of 1.1.7 (2018)
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
EM percentile statistics	:	202505.v01 (Using data in the EMDB archive up until May 2025)
MapQ	:	1.9.13
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.50

1 Overall quality at a glance

The following experimental techniques were used to determine the structure:
ELECTRON MICROSCOPY

The reported resolution of this entry is 3.48 Å.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



Metric	Whole archive (#Entries)	EM structures (#Entries)	Similar EM resolution (#Entries, resolution range(Å))
Clashscore	229148	23984	-
Ramachandran outliers	224038	23583	-
Sidechain outliers	223484	23102	-
Q-score	-	25397	13672 (2.98 - 3.98)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the map. The red, orange, yellow and green segments of the bar indicate the fraction of residues that contain outliers for >=3, 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions <=5% The upper red bar (where present) indicates the fraction of residues that have poor fit to the EM map (all-atom inclusion < 40%). The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	A	751	81% 17%
1	H	751	81% 18%
1	a	751	80% 18%
2	B	731	84% 15%

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Mol	Chain	Length	Quality of chain
2	G	731	85% 14%
2	b	731	85% 15%
3	C	81	90% 9%
3	N	81	88% 11%
3	c	81	90% 9%
4	D	141	6% 88% 12%
4	O	141	6% 85% 15%
4	d	141	6% 85% 15%
5	E	74	5% 88% 5% 7%
5	P	74	8% 88% 5% 7%
5	e	74	8% 86% 7% 7%
6	F	165	5% 72% 13% 16%
6	Q	165	70% 15% 16%
6	f	165	5% 72% 13% 16%
7	I	40	80% 12% 8%
7	R	40	82% 10% 8%
7	i	40	82% 10% 8%
8	J	40	5% 82% 15%
8	S	40	80% 18%
8	j	40	5% 82% 15%
9	L	157	82% 17%
9	U	157	80% 18%
9	l	157	80% 18%
10	M	31	6% 87% 13%
10	V	31	10% 97%

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Mol	Chain	Length	Quality of chain
10	m	31	6% 90% 10%
11	W	342	52% 86% 11%
11	X	342	29% 88% 11%
11	Y	342	22% 87% 13%
11	Z	342	28% 83% 15%
11	g	342	35% 85% 12%
11	h	342	51% 83% 10% 7%
11	n	342	54% 83% 13%
11	o	342	30% 85% 15%
11	p	342	19% 85% 15%
11	q	342	29% 81% 18%
11	r	342	34% 84% 13%
11	s	342	21% 85% 14%
11	t	342	51% 82% 14%
11	u	342	30% 84% 15%
11	v	342	48% 82% 11% 7%
11	w	342	25% 82% 17%
11	x	342	33% 81% 16%
11	y	342	50% 80% 13% 7%
12	K	86	74% 7% 19%
12	T	86	9% 77% 5% 19%
12	k	86	5% 77% 5% 19%

2 Entry composition (i)

There are 21 unique types of molecules in this entry. The entry contains 137509 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the AltConf column contains the number of residues with at least one atom in alternate conformation and the Trace column contains the number of residues modelled with at most 2 atoms.

- Molecule 1 is a protein called Photosystem I P700 chlorophyll a apoprotein A1.

Mol	Chain	Residues	Atoms					AltConf	Trace
1	A	739	Total	C	N	O	S	0	0
			5786	3790	984	985	27		
1	a	739	Total	C	N	O	S	0	0
			5786	3790	984	985	27		
1	H	739	Total	C	N	O	S	0	0
			5786	3790	984	985	27		

There are 3 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	604	VAL	ILE	conflict	UNP P29254
a	604	VAL	ILE	conflict	UNP P29254
H	604	VAL	ILE	conflict	UNP P29254

- Molecule 2 is a protein called Photosystem I P700 chlorophyll a apoprotein A2.

Mol	Chain	Residues	Atoms					AltConf	Trace
2	B	729	Total	C	N	O	S	0	0
			5766	3796	967	988	15		
2	b	729	Total	C	N	O	S	0	0
			5766	3796	967	988	15		
2	G	729	Total	C	N	O	S	0	0
			5766	3796	967	988	15		

- Molecule 3 is a protein called Photosystem I iron-sulfur center.

Mol	Chain	Residues	Atoms					AltConf	Trace
3	C	80	Total	C	N	O	S	0	0
			600	369	103	117	11		
3	c	80	Total	C	N	O	S	0	0
			600	369	103	117	11		
3	N	80	Total	C	N	O	S	0	0
			600	369	103	117	11		

- Molecule 4 is a protein called Photosystem I reaction center subunit II.

Mol	Chain	Residues	Atoms					AltConf	Trace
4	D	141	Total	C	N	O	S	0	0
			1098	694	189	211	4		
4	d	141	Total	C	N	O	S	0	0
			1098	694	189	211	4		
4	O	141	Total	C	N	O	S	0	0
			1098	694	189	211	4		

- Molecule 5 is a protein called Photosystem I reaction center subunit IV.

Mol	Chain	Residues	Atoms				AltConf	Trace
5	E	69	Total	C	N	O	0	0
			542	340	96	106		
5	e	69	Total	C	N	O	0	0
			542	340	96	106		
5	P	69	Total	C	N	O	0	0
			542	340	96	106		

- Molecule 6 is a protein called Photosystem I reaction center subunit III.

Mol	Chain	Residues	Atoms					AltConf	Trace
6	F	139	Total	C	N	O	S	0	0
			1069	689	179	197	4		
6	f	139	Total	C	N	O	S	0	0
			1069	689	179	197	4		
6	Q	139	Total	C	N	O	S	0	0
			1069	689	179	197	4		

- Molecule 7 is a protein called Photosystem I reaction center subunit VIII.

Mol	Chain	Residues	Atoms					AltConf	Trace
7	I	37	Total	C	N	O	S	0	0
			293	200	41	49	3		
7	i	37	Total	C	N	O	S	0	0
			293	200	41	49	3		
7	R	37	Total	C	N	O	S	0	0
			293	200	41	49	3		

- Molecule 8 is a protein called Photosystem I reaction center subunit IX.

Mol	Chain	Residues	Atoms					AltConf	Trace
8	J	39	Total	C	N	O	S	0	0
			308	208	46	52	2		
8	j	39	Total	C	N	O	S	0	0
			308	208	46	52	2		
8	S	39	Total	C	N	O	S	0	0
			308	208	46	52	2		

- Molecule 9 is a protein called Photosystem I reaction center subunit XI.

Mol	Chain	Residues	Atoms					AltConf	Trace
9	L	154	Total	C	N	O	S	0	0
			1156	753	188	213	2		
9	l	154	Total	C	N	O	S	0	0
			1156	753	188	213	2		
9	U	154	Total	C	N	O	S	0	0
			1156	753	188	213	2		

- Molecule 10 is a protein called Photosystem I reaction center subunit XII.

Mol	Chain	Residues	Atoms					AltConf	Trace
10	M	31	Total	C	N	O	S	0	0
			238	159	36	42	1		
10	m	31	Total	C	N	O	S	0	0
			238	159	36	42	1		
10	V	31	Total	C	N	O	S	0	0
			238	159	36	42	1		

- Molecule 11 is a protein called Iron stress-induced chlorophyll-binding protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
11	W	329	Total	C	N	O	S	0	0
			2478	1656	401	417	4		
11	X	339	Total	C	N	O	S	0	0
			2605	1732	424	444	5		
11	Y	340	Total	C	N	O	S	0	0
			2608	1735	424	444	5		
11	Z	337	Total	C	N	O	S	0	0
			2582	1717	421	439	5		
11	g	332	Total	C	N	O	S	0	0
			2531	1686	411	430	4		
11	y	317	Total	C	N	O	S	0	0
			2416	1613	395	404	4		

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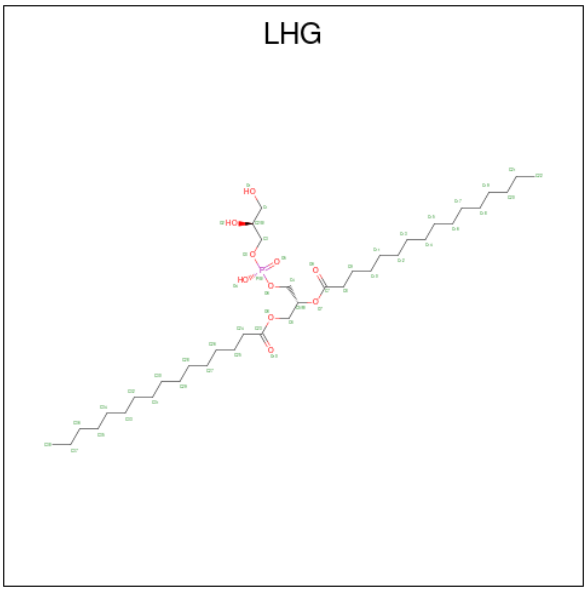
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Mol	Chain	Residues	Atoms					AltConf	Trace
11	n	329	Total	C	N	O	S	0	0
			2475	1655	401	415	4		
11	o	339	Total	C	N	O	S	0	0
			2605	1732	424	444	5		
11	p	340	Total	C	N	O	S	0	0
			2609	1735	424	445	5		
11	q	337	Total	C	N	O	S	0	0
			2582	1717	421	439	5		
11	r	332	Total	C	N	O	S	0	0
			2531	1686	411	430	4		
11	h	317	Total	C	N	O	S	0	0
			2416	1613	395	404	4		
11	t	329	Total	C	N	O	S	0	0
			2478	1656	401	417	4		
11	u	339	Total	C	N	O	S	0	0
			2605	1732	424	444	5		
11	s	340	Total	C	N	O	S	0	0
			2609	1735	424	445	5		
11	w	337	Total	C	N	O	S	0	0
			2582	1717	421	439	5		
11	x	332	Total	C	N	O	S	0	0
			2531	1686	411	430	4		
11	v	317	Total	C	N	O	S	0	0
			2416	1613	395	404	4		

- Molecule 12 is a protein called Photosystem I reaction center subunit PsaK 1.

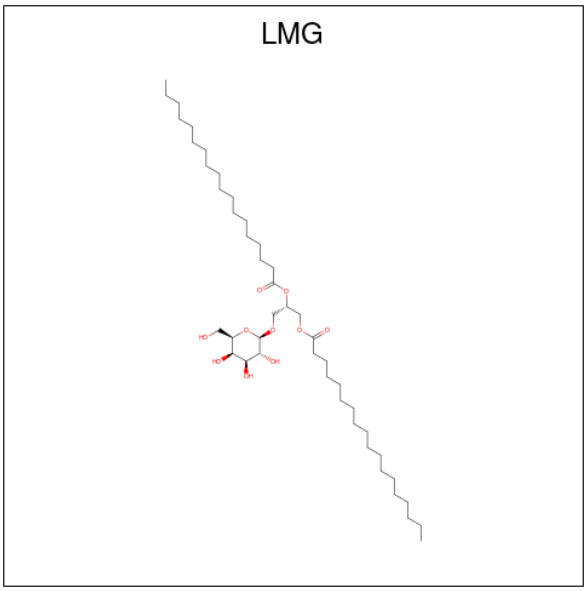
Mol	Chain	Residues	Atoms					AltConf	Trace
12	k	70	Total	C	N	O	S	0	0
			485	317	80	84	4		
12	K	70	Total	C	N	O	S	0	0
			485	317	80	84	4		
12	T	70	Total	C	N	O	S	0	0
			485	317	80	84	4		

- Molecule 13 is 1,2-DIPALMITOYL-PHOSPHATIDYL-GLYCEROLE (CCD ID: LHG) (formula: $C_{38}H_{75}O_{10}P$).



Mol	Chain	Residues	Atoms				AltConf
13	A	1	Total	C	O	P	0
			43	32	10	1	
13	A	1	Total	C	O	P	0
			27	16	10	1	
13	I	1	Total	C	O	P	0
			44	33	10	1	
13	a	1	Total	C	O	P	0
			43	32	10	1	
13	a	1	Total	C	O	P	0
			27	16	10	1	
13	i	1	Total	C	O	P	0
			44	33	10	1	
13	H	1	Total	C	O	P	0
			43	32	10	1	
13	H	1	Total	C	O	P	0
			27	16	10	1	
13	R	1	Total	C	O	P	0
			44	33	10	1	

- Molecule 14 is 1,2-DISTEAROYL-MONOGALACTOSYL-DIGLYCERIDE (CCD ID: LMG) (formula: $C_{45}H_{86}O_{10}$).



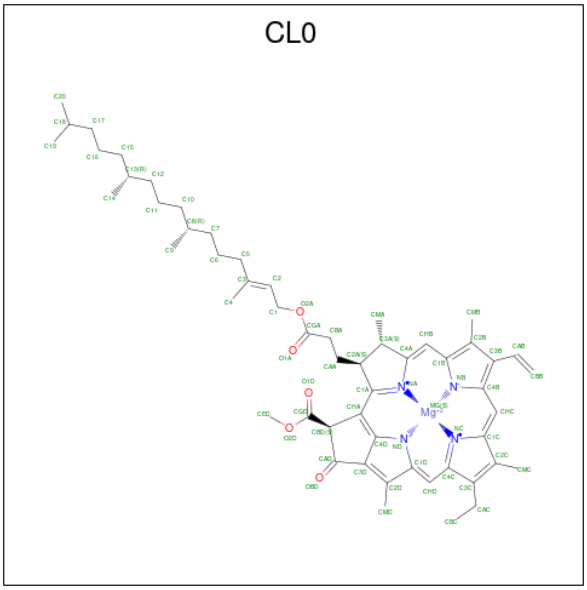
Mol	Chain	Residues	Atoms	AltConf
14	A	1	Total C O 38 28 10	0
14	A	1	Total C O 46 36 10	0
14	A	1	Total C O 32 22 10	0
14	B	1	Total C O 43 33 10	0
14	Y	1	Total C O 39 29 10	0
14	a	1	Total C O 38 28 10	0
14	a	1	Total C O 46 36 10	0
14	a	1	Total C O 31 21 10	0
14	b	1	Total C O 43 33 10	0
14	p	1	Total C O 39 29 10	0
14	H	1	Total C O 38 28 10	0
14	H	1	Total C O 46 36 10	0
14	H	1	Total C O 32 22 10	0
14	G	1	Total C O 43 33 10	0

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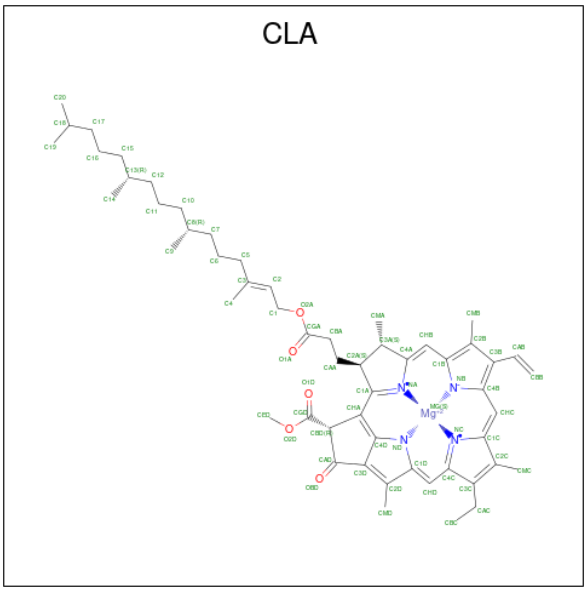
Mol	Chain	Residues	Atoms			AltConf
14	s	1	Total	C	O	0
			39	29	10	

- Molecule 15 is CHLOROPHYLL A ISOMER (CCD ID: CL0) (formula: $C_{55}H_{72}MgN_4O_5$).



Mol	Chain	Residues	Atoms					AltConf
15	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
15	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
15	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

- Molecule 16 is CHLOROPHYLL A (CCD ID: CLA) (formula: $C_{55}H_{72}MgN_4O_5$).



Mol	Chain	Residues	Atoms					AltConf
16	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
16	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
16	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
16	A	1	Total 56	C 46	Mg 1	N 4	O 5	0
16	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
16	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
16	A	1	Total 58	C 48	Mg 1	N 4	O 5	0
16	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
16	A	1	Total 50	C 40	Mg 1	N 4	O 5	0
16	A	1	Total 45	C 35	Mg 1	N 4	O 5	0
16	A	1	Total 65	C 55	Mg 1	N 4	O 5	0
16	A	1	Total 54	C 44	Mg 1	N 4	O 5	0
16	A	1	Total 55	C 45	Mg 1	N 4	O 5	0
16	A	1	Total 45	C 35	Mg 1	N 4	O 5	0

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Mol	Chain	Residues	Atoms					AltConf
16	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			59	49	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			54	44	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	A	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	A	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
16	A	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			58	48	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			62	52	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	B	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	F	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	F	1	Total	C	Mg	N		0
			27	22	1	4		
16	J	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	J	1	Total	C	Mg	N	O	0
			37	31	1	4	1	
16	L	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	L	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	L	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	W	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	W	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	W	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	W	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	W	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	W	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	W	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	W	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	W	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	W	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	W	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	W	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	W	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	W	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	W	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	W	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	W	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	X	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	X	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	X	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	X	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	X	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	X	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	X	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	X	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	X	1	Total	C	Mg	N	O	0
			60	50	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	X	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	X	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	X	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	X	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	X	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	X	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	X	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	X	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	Y	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	Y	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	Y	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	Y	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	Y	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	Y	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	Y	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	Y	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	Y	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	Y	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	Y	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	Y	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	Y	1	Total	C	Mg	N	O	0
			50	40	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	Y	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	Y	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	Y	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	Y	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	Z	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	Z	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	Z	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	Z	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	Z	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	Z	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	Z	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	Z	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	Z	1	Total	C	Mg	N	O	0
			56	46	1	4	5	
16	Z	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	Z	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	Z	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	Z	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	Z	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	Z	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	Z	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	Z	1	Total	C	Mg	N	O	0
			55	45	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	g	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	g	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	g	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	g	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	g	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	g	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	g	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	g	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	g	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	g	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	g	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	g	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	g	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	g	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	g	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	y	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	y	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	y	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	y	1	Total	C	Mg	N	O	0
			60	50	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	y	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	y	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	y	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	y	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	y	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	y	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	y	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	y	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	y	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	y	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	y	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	y	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	y	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			56	46	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			58	48	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	a	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			59	49	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	a	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
16	a	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	b	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			58	48	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			62	52	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	b	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	k	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	l	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	l	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	l	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	n	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	n	1	Total	C	Mg	N	O	0
			50	40	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	n	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	n	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	n	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	n	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	n	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	n	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	n	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	n	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	n	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	n	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	n	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	n	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	o	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	o	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	o	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	o	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	o	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	o	1	Total	C	Mg	N	O	0
			60	50	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	o	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	o	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	o	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	o	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	o	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	o	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	o	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	o	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	o	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	o	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	o	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	p	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	p	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	p	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	p	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	p	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	p	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	p	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	p	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	p	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	p	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	p	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	p	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	p	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	p	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	p	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	p	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	p	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	q	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	q	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	q	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	q	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	q	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	q	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	q	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	q	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	q	1	Total	C	Mg	N	O	0
			56	46	1	4	5	
16	q	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	q	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	q	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	q	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	q	1	Total	C	Mg	N	O	0
			50	40	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	q	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	q	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	q	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	r	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	r	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	r	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	r	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	r	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	r	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	r	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	r	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	r	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	r	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	r	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	r	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	r	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	r	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	r	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	r	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	r	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	h	1	Total	C	Mg	N	O	0
			46	36	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	h	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	h	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	h	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	h	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	h	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	h	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	h	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	h	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	h	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	h	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	h	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	h	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	h	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	h	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	h	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	h	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			56	46	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			58	48	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			59	49	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			51	41	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	H	1	Total	C	Mg	N	O	0
			41	33	1	4	3	
16	H	1	Total	C	Mg	N	O	0
			52	42	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			54	44	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			47	37	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			54	44	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			49	39	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			58	48	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			62	52	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	G	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	U	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	U	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	U	1	Total	C	Mg	N	O	0
			65	55	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	t	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	t	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	t	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	t	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	t	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	t	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	t	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	t	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	t	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	t	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	t	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	t	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	t	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	t	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	t	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	t	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	t	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	u	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	u	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	u	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	u	1	Total	C	Mg	N	O	0
			60	50	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	u	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	u	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	u	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	u	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	u	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	u	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	u	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	u	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	u	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	u	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	u	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	u	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	u	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	s	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	s	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	s	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	s	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	s	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	s	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	s	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	s	1	Total	C	Mg	N	O	0
			55	45	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	s	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	s	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	s	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	s	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	s	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	s	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	s	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	s	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	s	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	w	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	w	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	w	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	w	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	w	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	w	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	w	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	w	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	w	1	Total	C	Mg	N	O	0
			56	46	1	4	5	
16	w	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	w	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	w	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms					AltConf
16	w	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	w	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	w	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	w	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	w	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	x	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	x	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	x	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	x	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	x	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	x	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	x	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	x	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	x	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	x	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	x	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	x	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	x	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	x	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	x	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	x	1	Total	C	Mg	N	O	0
			46	36	1	4	5	

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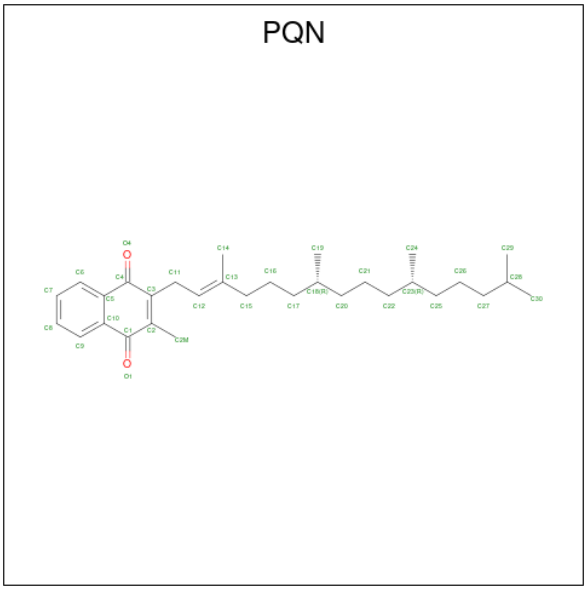
Mol	Chain	Residues	Atoms					AltConf
16	x	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	v	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	v	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	v	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	v	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	v	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	v	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	v	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	v	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	v	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	v	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	v	1	Total	C	Mg	N	O	0
			65	55	1	4	5	
16	v	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	v	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	v	1	Total	C	Mg	N	O	0
			50	40	1	4	5	
16	v	1	Total	C	Mg	N	O	0
			60	50	1	4	5	
16	v	1	Total	C	Mg	N	O	0
			46	36	1	4	5	
16	v	1	Total	C	Mg	N	O	0
			55	45	1	4	5	
16	f	1	Total	C	Mg	N	O	0
			45	35	1	4	5	
16	f	1	Total	C	Mg	N		0
			27	22	1	4		
16	Q	1	Total	C	Mg	N	O	0
			45	35	1	4	5	

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Mol	Chain	Residues	Atoms	AltConf
16	Q	1	Total C Mg N 27 22 1 4	0
16	j	1	Total C Mg N O 45 35 1 4 5	0
16	j	1	Total C Mg N O 37 31 1 4 1	0
16	S	1	Total C Mg N O 45 35 1 4 5	0
16	S	1	Total C Mg N O 37 31 1 4 1	0
16	K	1	Total C Mg N O 45 35 1 4 5	0
16	T	1	Total C Mg N O 45 35 1 4 5	0

- Molecule 17 is PHYLLOQUINONE (CCD ID: PQN) (formula: $C_{31}H_{46}O_2$).



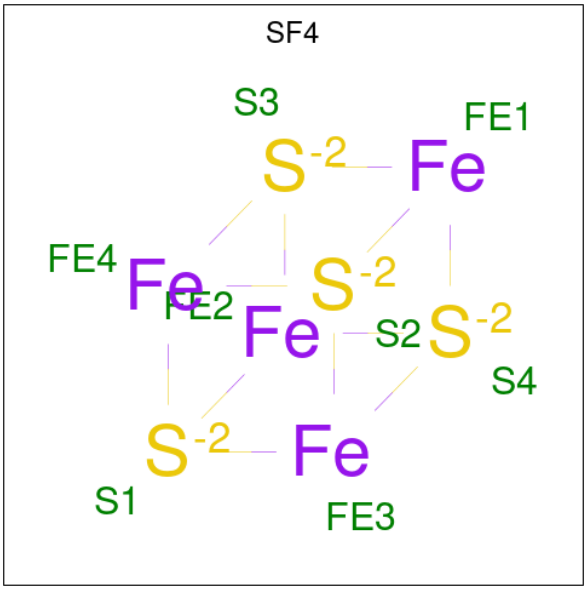
Mol	Chain	Residues	Atoms	AltConf
17	A	1	Total C O 33 31 2	0
17	B	1	Total C O 33 31 2	0
17	a	1	Total C O 33 31 2	0
17	b	1	Total C O 33 31 2	0

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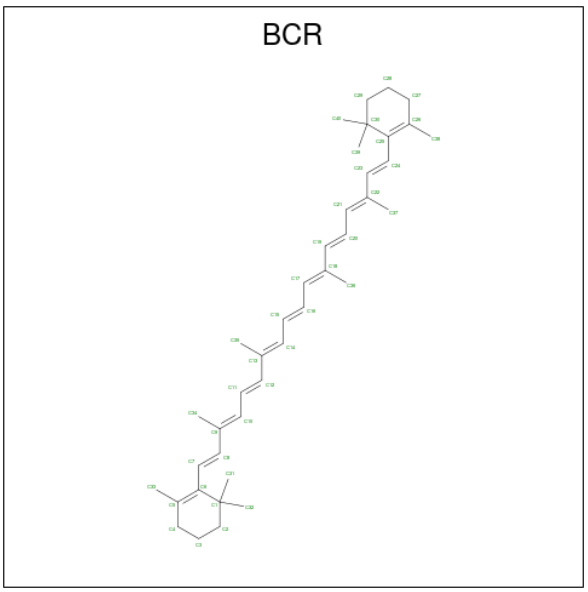
Mol	Chain	Residues	Atoms	AltConf
17	H	1	Total C O 33 31 2	0
17	G	1	Total C O 33 31 2	0

- Molecule 18 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe_4S_4).



Mol	Chain	Residues	Atoms	AltConf
18	A	1	Total Fe S 8 4 4	0
18	C	1	Total Fe S 8 4 4	0
18	C	1	Total Fe S 8 4 4	0
18	a	1	Total Fe S 8 4 4	0
18	H	1	Total Fe S 8 4 4	0
18	c	1	Total Fe S 8 4 4	0
18	c	1	Total Fe S 8 4 4	0
18	N	1	Total Fe S 8 4 4	0
18	N	1	Total Fe S 8 4 4	0

- Molecule 19 is BETA-CAROTENE (CCD ID: BCR) (formula: $C_{40}H_{56}$).



Mol	Chain	Residues	Atoms	AltConf
19	A	1	Total C 40 40	0
19	A	1	Total C 40 40	0
19	A	1	Total C 40 40	0
19	A	1	Total C 40 40	0
19	A	1	Total C 40 40	0
19	A	1	Total C 40 40	0
19	B	1	Total C 40 40	0
19	B	1	Total C 40 40	0
19	B	1	Total C 25 25	0
19	B	1	Total C 40 40	0
19	B	1	Total C 40 40	0
19	B	1	Total C 40 40	0
19	B	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
19	F	1	Total C 40 40	0
19	I	1	Total C 40 40	0
19	I	1	Total C 40 40	0
19	J	1	Total C 40 40	0
19	J	1	Total C 40 40	0
19	J	1	Total C 40 40	0
19	L	1	Total C 40 40	0
19	L	1	Total C 40 40	0
19	M	1	Total C 40 40	0
19	W	1	Total C 40 40	0
19	W	1	Total C 40 40	0
19	X	1	Total C 40 40	0
19	X	1	Total C 40 40	0
19	X	1	Total C 40 40	0
19	X	1	Total C 40 40	0
19	Y	1	Total C 40 40	0
19	Y	1	Total C 40 40	0
19	Y	1	Total C 40 40	0
19	Y	1	Total C 40 40	0
19	Z	1	Total C 40 40	0
19	Z	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
19	Z	1	Total C 40 40	0
19	Z	1	Total C 40 40	0
19	g	1	Total C 40 40	0
19	g	1	Total C 40 40	0
19	g	1	Total C 40 40	0
19	g	1	Total C 40 40	0
19	y	1	Total C 40 40	0
19	y	1	Total C 40 40	0
19	y	1	Total C 40 40	0
19	y	1	Total C 40 40	0
19	a	1	Total C 40 40	0
19	a	1	Total C 40 40	0
19	a	1	Total C 40 40	0
19	a	1	Total C 40 40	0
19	a	1	Total C 40 40	0
19	a	1	Total C 40 40	0
19	b	1	Total C 40 40	0
19	b	1	Total C 40 40	0
19	b	1	Total C 25 25	0
19	b	1	Total C 40 40	0
19	b	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
19	b	1	Total C 40 40	0
19	b	1	Total C 40 40	0
19	i	1	Total C 40 40	0
19	i	1	Total C 40 40	0
19	k	1	Total C 40 40	0
19	l	1	Total C 40 40	0
19	l	1	Total C 40 40	0
19	m	1	Total C 40 40	0
19	n	1	Total C 40 40	0
19	n	1	Total C 40 40	0
19	o	1	Total C 40 40	0
19	o	1	Total C 40 40	0
19	o	1	Total C 40 40	0
19	o	1	Total C 40 40	0
19	p	1	Total C 40 40	0
19	p	1	Total C 40 40	0
19	p	1	Total C 40 40	0
19	p	1	Total C 40 40	0
19	q	1	Total C 40 40	0
19	q	1	Total C 40 40	0
19	q	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
19	q	1	Total C 40 40	0
19	r	1	Total C 40 40	0
19	r	1	Total C 40 40	0
19	r	1	Total C 40 40	0
19	r	1	Total C 40 40	0
19	h	1	Total C 40 40	0
19	h	1	Total C 40 40	0
19	h	1	Total C 40 40	0
19	h	1	Total C 40 40	0
19	H	1	Total C 40 40	0
19	H	1	Total C 40 40	0
19	H	1	Total C 40 40	0
19	H	1	Total C 40 40	0
19	H	1	Total C 40 40	0
19	H	1	Total C 40 40	0
19	G	1	Total C 40 40	0
19	G	1	Total C 40 40	0
19	G	1	Total C 25 25	0
19	G	1	Total C 40 40	0
19	G	1	Total C 40 40	0
19	G	1	Total C 40 40	0

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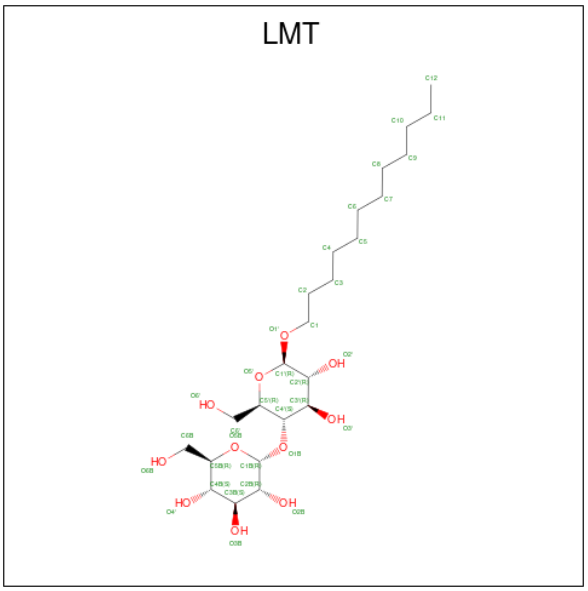
Mol	Chain	Residues	Atoms	AltConf
19	G	1	Total C 40 40	0
19	R	1	Total C 40 40	0
19	R	1	Total C 40 40	0
19	U	1	Total C 40 40	0
19	U	1	Total C 40 40	0
19	V	1	Total C 40 40	0
19	t	1	Total C 40 40	0
19	t	1	Total C 40 40	0
19	u	1	Total C 40 40	0
19	u	1	Total C 40 40	0
19	u	1	Total C 40 40	0
19	u	1	Total C 40 40	0
19	s	1	Total C 40 40	0
19	s	1	Total C 40 40	0
19	s	1	Total C 40 40	0
19	s	1	Total C 40 40	0
19	w	1	Total C 40 40	0
19	w	1	Total C 40 40	0
19	w	1	Total C 40 40	0
19	w	1	Total C 40 40	0
19	x	1	Total C 40 40	0

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Mol	Chain	Residues	Atoms	AltConf
19	x	1	Total C 40 40	0
19	x	1	Total C 40 40	0
19	x	1	Total C 40 40	0
19	v	1	Total C 40 40	0
19	v	1	Total C 40 40	0
19	v	1	Total C 40 40	0
19	v	1	Total C 40 40	0
19	f	1	Total C 40 40	0
19	Q	1	Total C 40 40	0
19	j	1	Total C 40 40	0
19	j	1	Total C 40 40	0
19	j	1	Total C 40 40	0
19	S	1	Total C 40 40	0
19	S	1	Total C 40 40	0
19	S	1	Total C 40 40	0
19	K	1	Total C 40 40	0
19	T	1	Total C 40 40	0

- Molecule 20 is DODECYL-BETA-D-MALTOSIDE (CCD ID: LMT) (formula: $C_{24}H_{46}O_{11}$).



Mol	Chain	Residues	Atoms	AltConf
20	L	1	Total C O 35 24 11	0
20	l	1	Total C O 35 24 11	0
20	U	1	Total C O 35 24 11	0

- Molecule 21 is CALCIUM ION (CCD ID: CA) (formula: Ca).

Mol	Chain	Residues	Atoms	AltConf
21	L	1	Total Ca 1 1	0
21	l	1	Total Ca 1 1	0
21	U	1	Total Ca 1 1	0

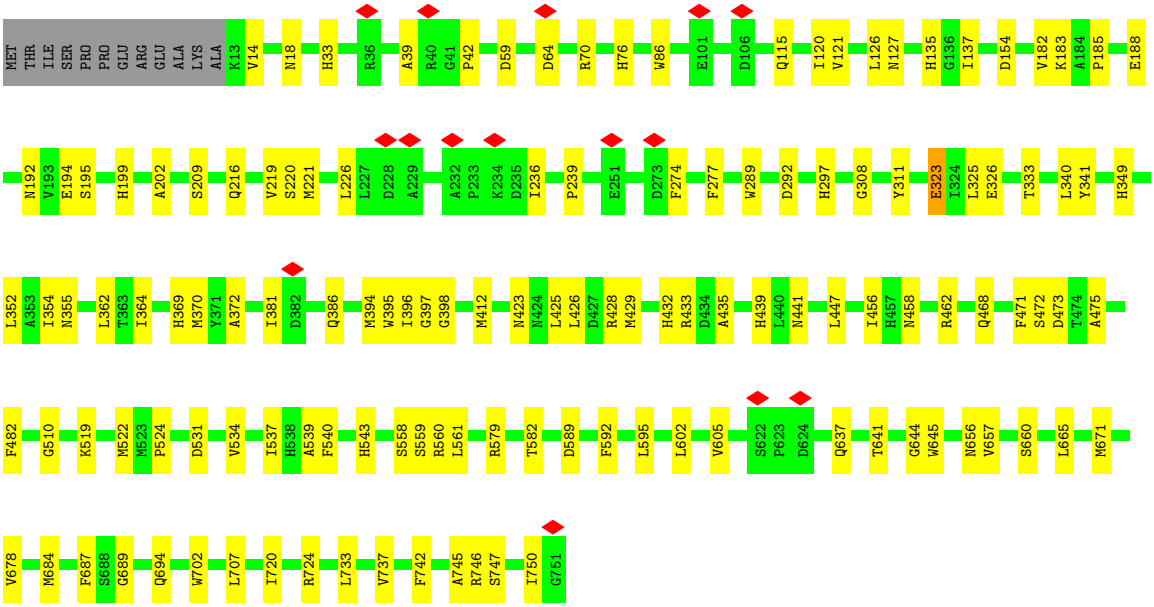
3 Residue-property plots (i)

These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and atom inclusion in map density. Residues are color-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. A red diamond above a residue indicates a poor fit to the EM map for this residue (all-atom inclusion < 40%). Stretches of 2 or more consecutive residues without any outlier are shown as a green connector. Residues present in the sample, but not in the model, are shown in grey.

• Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

Chain A:

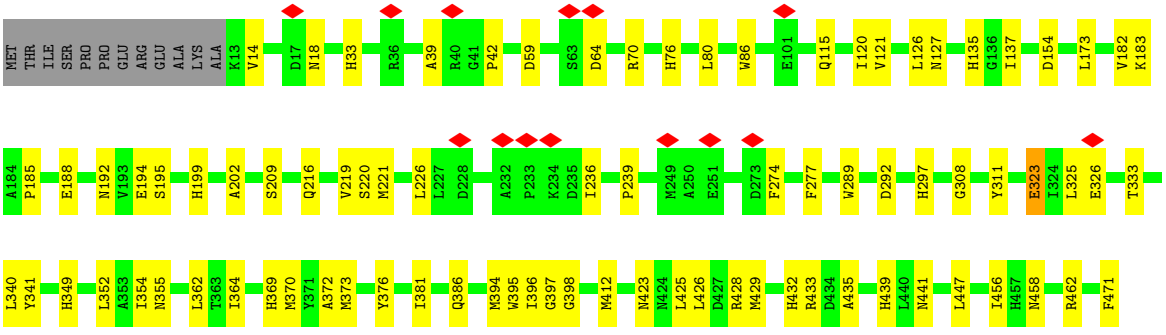


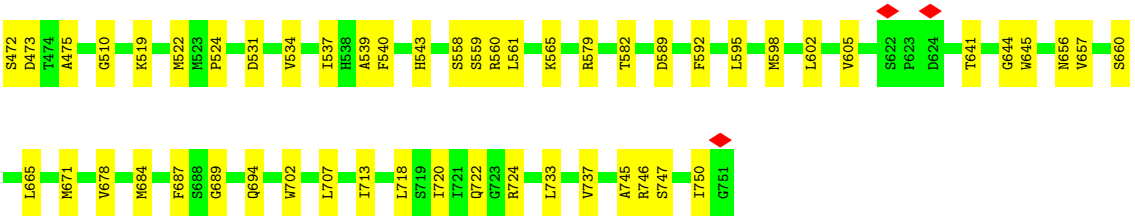


• Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

Chain a:



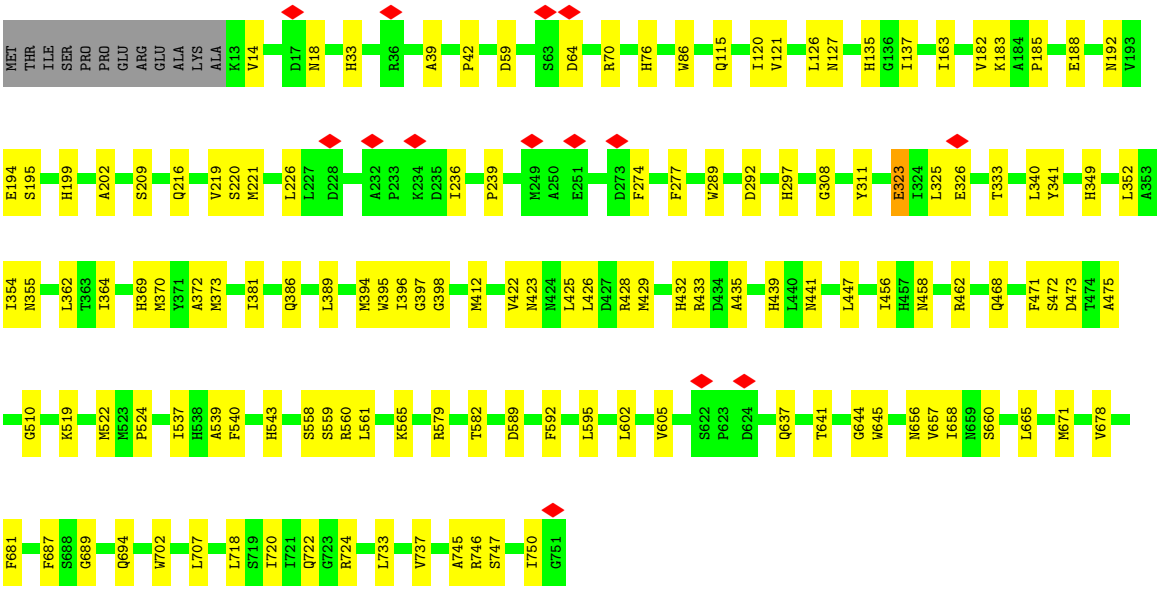




• Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1

Chain H:

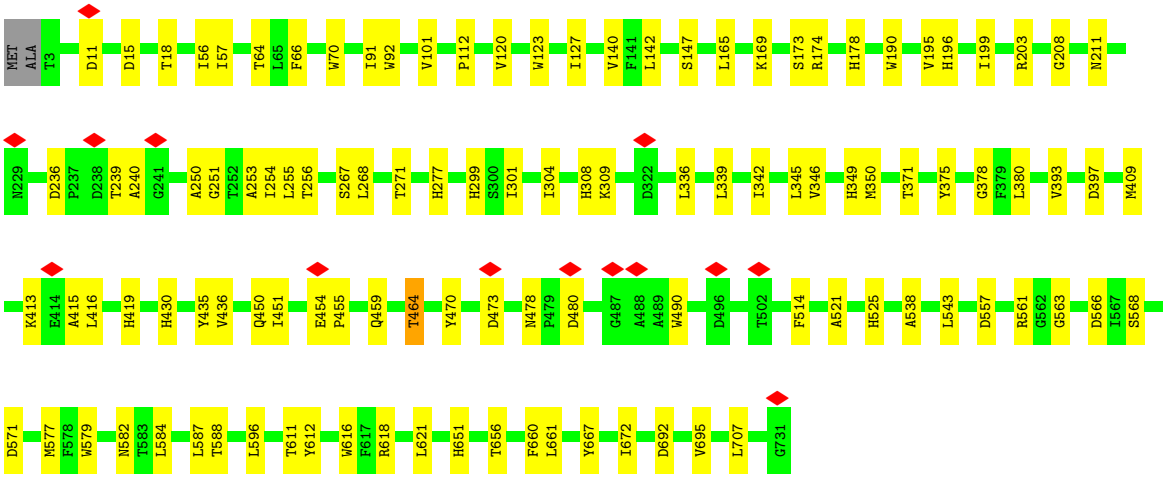




• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

Chain B:

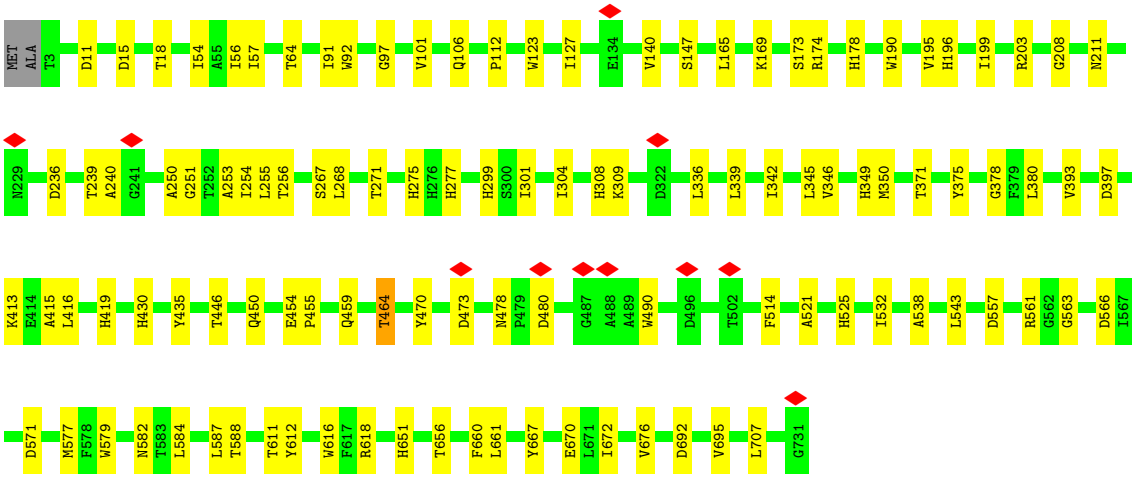




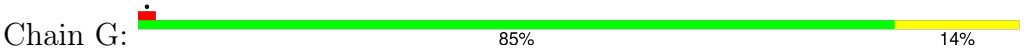
• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2

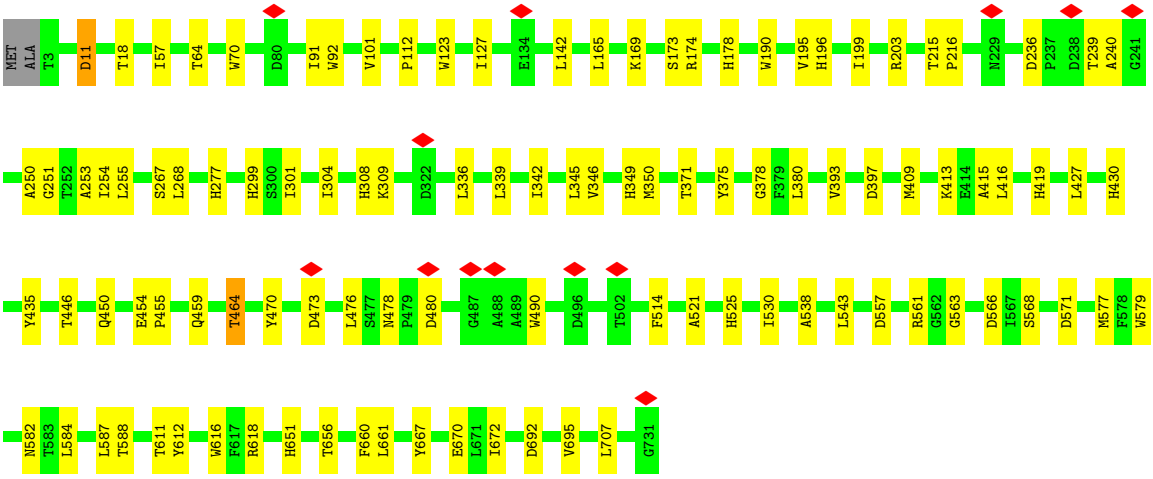
Chain b:



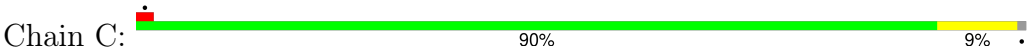


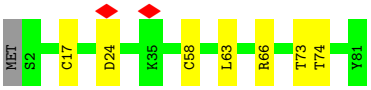
• Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2



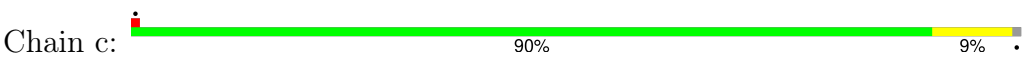


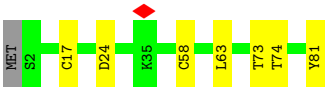
• Molecule 3: Photosystem I iron-sulfur center





• Molecule 3: Photosystem I iron-sulfur center

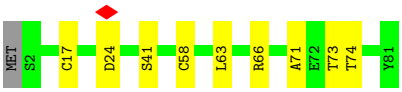




• Molecule 3: Photosystem I iron-sulfur center

Chain N:

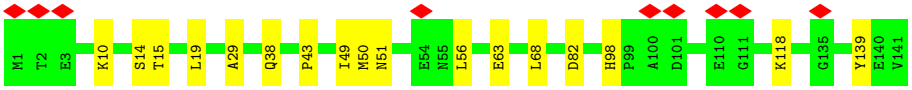




• Molecule 4: Photosystem I reaction center subunit II

Chain D:

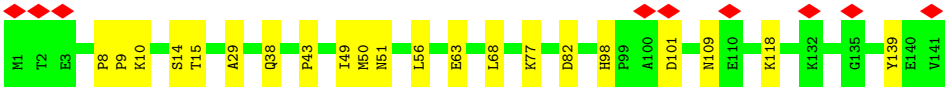




• Molecule 4: Photosystem I reaction center subunit II

Chain d:

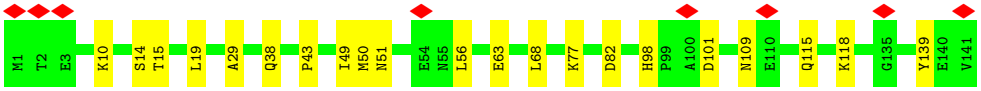




• Molecule 4: Photosystem I reaction center subunit II

Chain O:

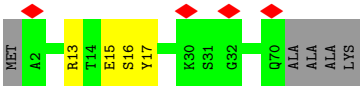




• Molecule 5: Photosystem I reaction center subunit IV

Chain E:

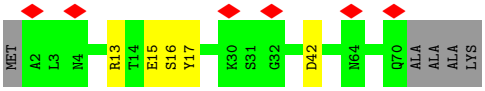




• Molecule 5: Photosystem I reaction center subunit IV

Chain e:

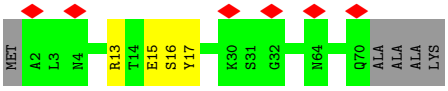




• Molecule 5: Photosystem I reaction center subunit IV

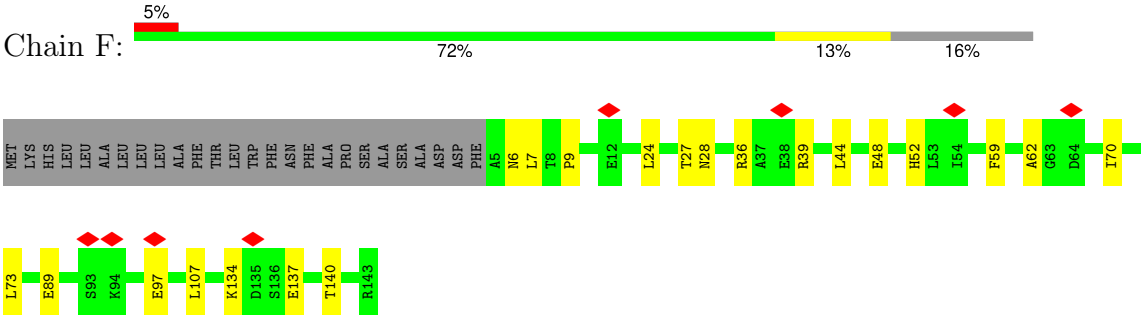
Chain P:





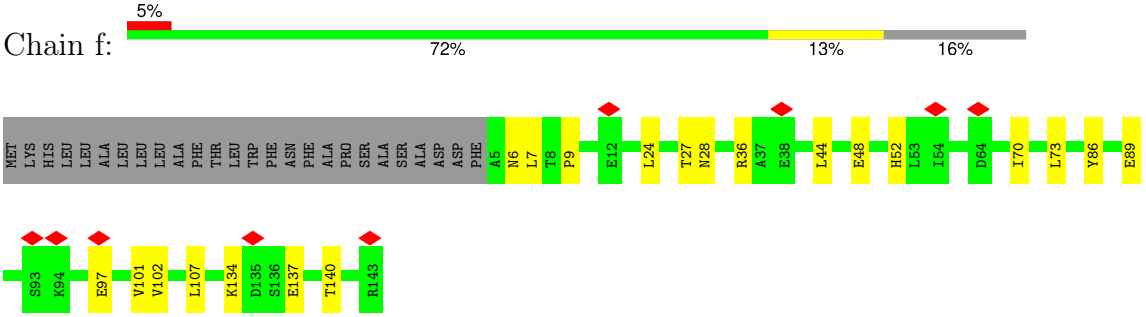
• Molecule 6: Photosystem I reaction center subunit III

Chain F:



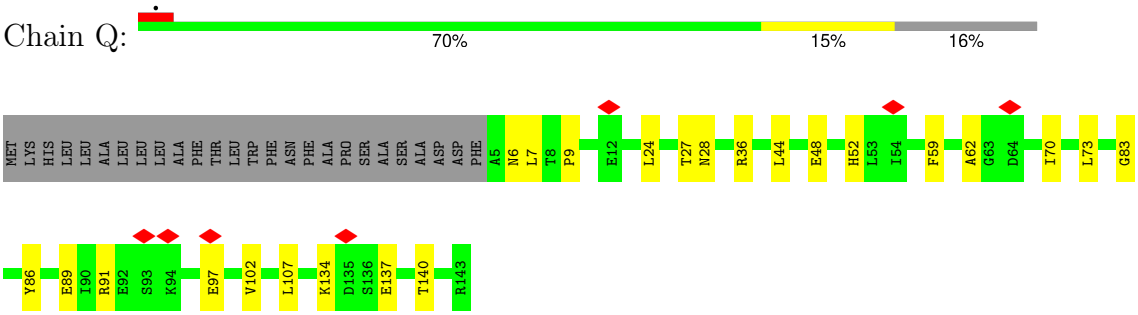
• Molecule 6: Photosystem I reaction center subunit III

Chain f:



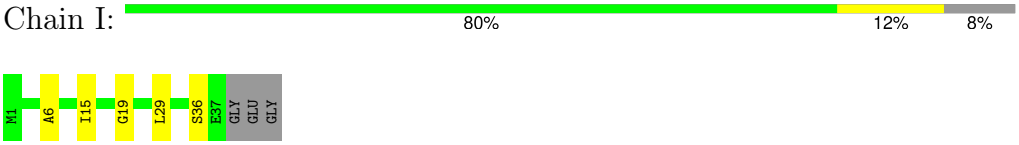
• Molecule 6: Photosystem I reaction center subunit III

Chain Q:



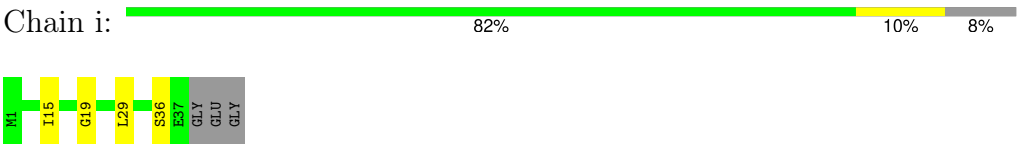
• Molecule 7: Photosystem I reaction center subunit VIII

Chain I:



• Molecule 7: Photosystem I reaction center subunit VIII

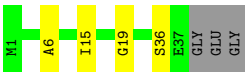
Chain i:



• Molecule 7: Photosystem I reaction center subunit VIII

Chain R:

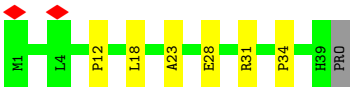




• Molecule 8: Photosystem I reaction center subunit IX

Chain J:

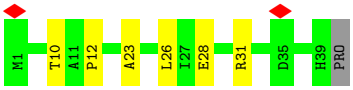




• Molecule 8: Photosystem I reaction center subunit IX

Chain j:

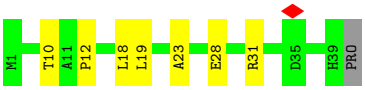




• Molecule 8: Photosystem I reaction center subunit IX

Chain S:

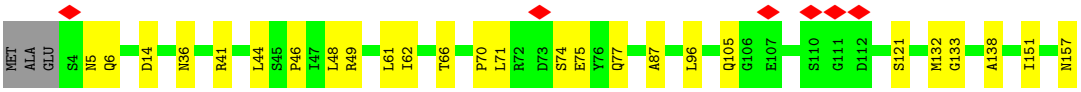




• Molecule 9: Photosystem I reaction center subunit XI

Chain L:

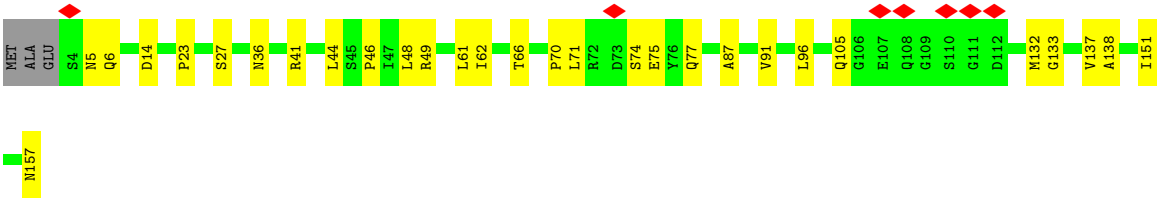




• Molecule 9: Photosystem I reaction center subunit XI

Chain l:

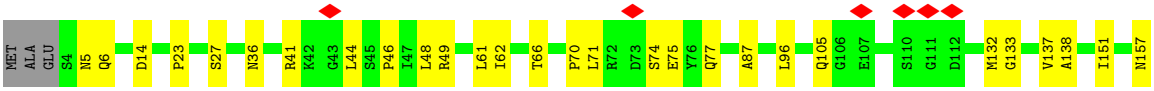




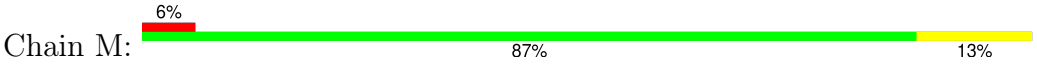
• Molecule 9: Photosystem I reaction center subunit XI

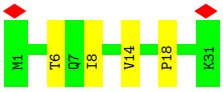
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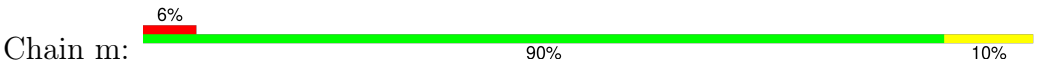


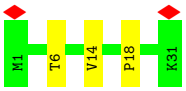
• Molecule 10: Photosystem I reaction center subunit XII





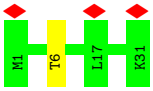
• Molecule 10: Photosystem I reaction center subunit XII



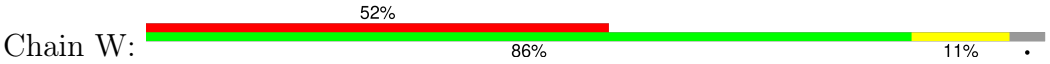


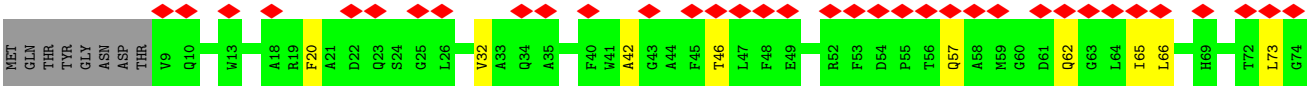
• Molecule 10: Photosystem I reaction center subunit XII



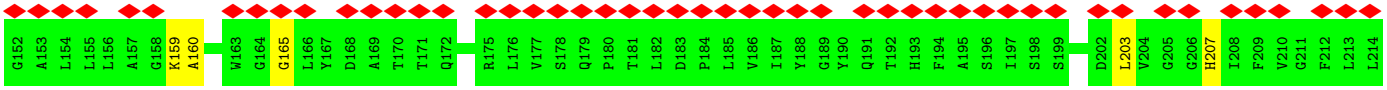


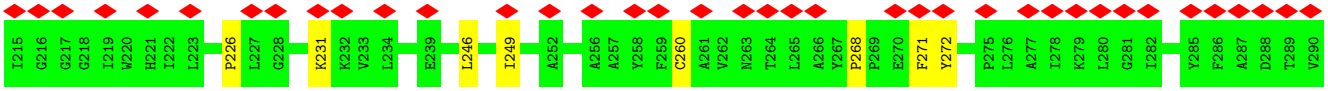
• Molecule 11: Iron stress-induced chlorophyll-binding protein

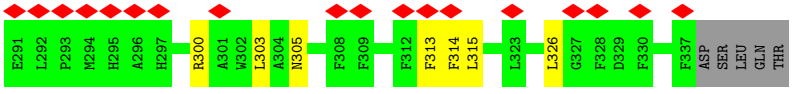






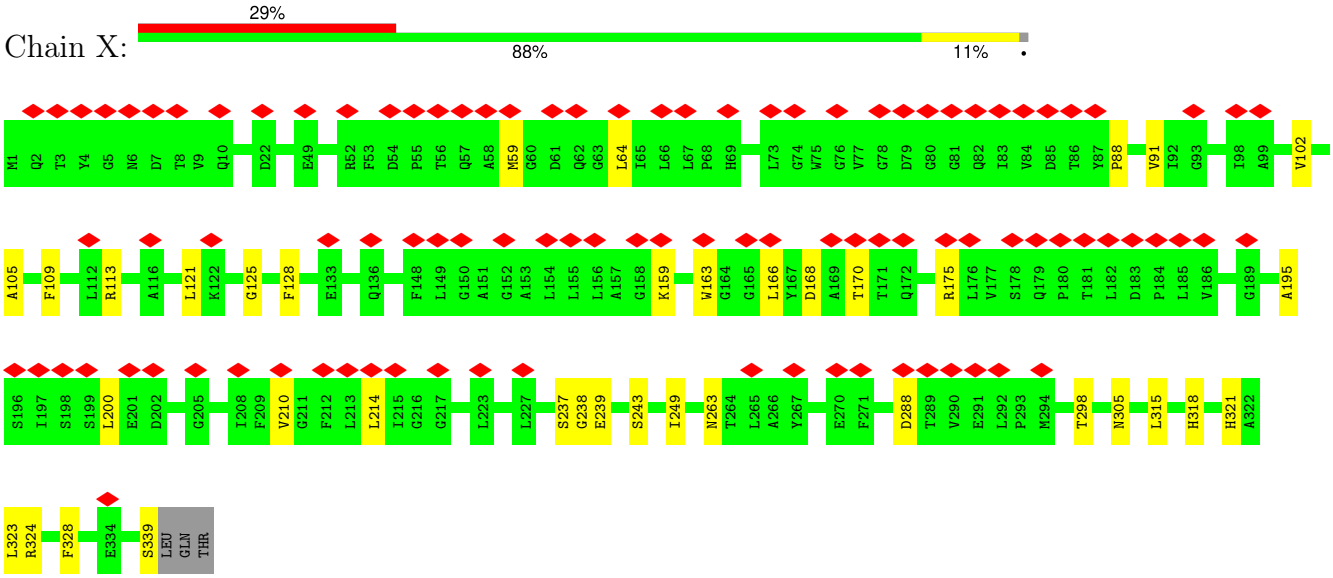






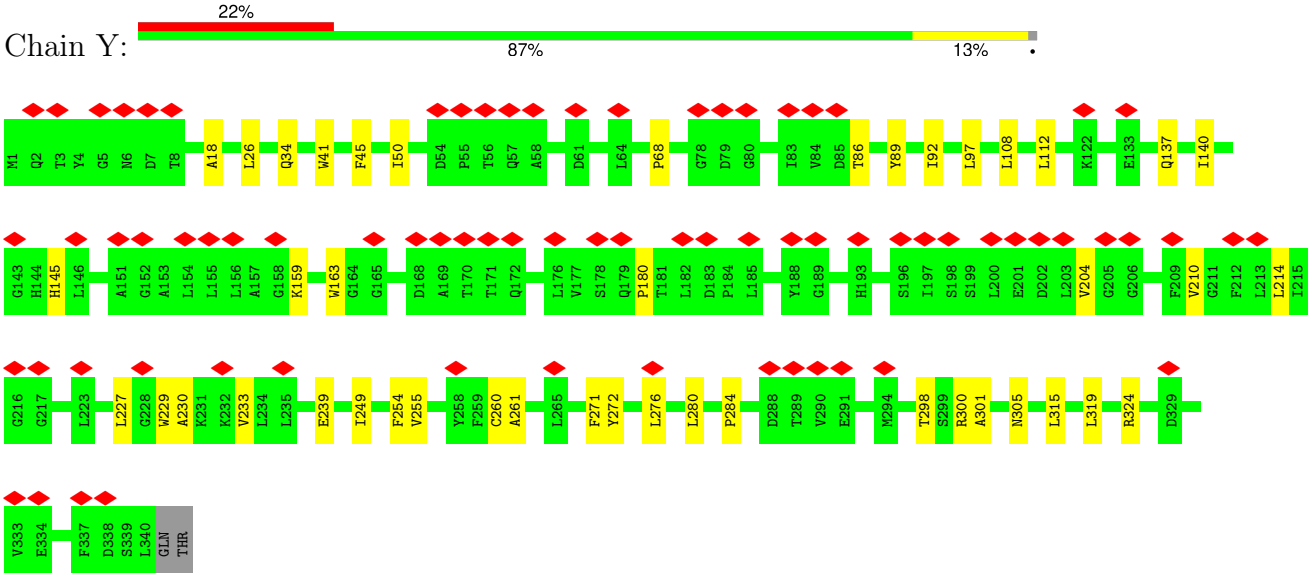
• Molecule 11: Iron stress-induced chlorophyll-binding protein

Chain X:



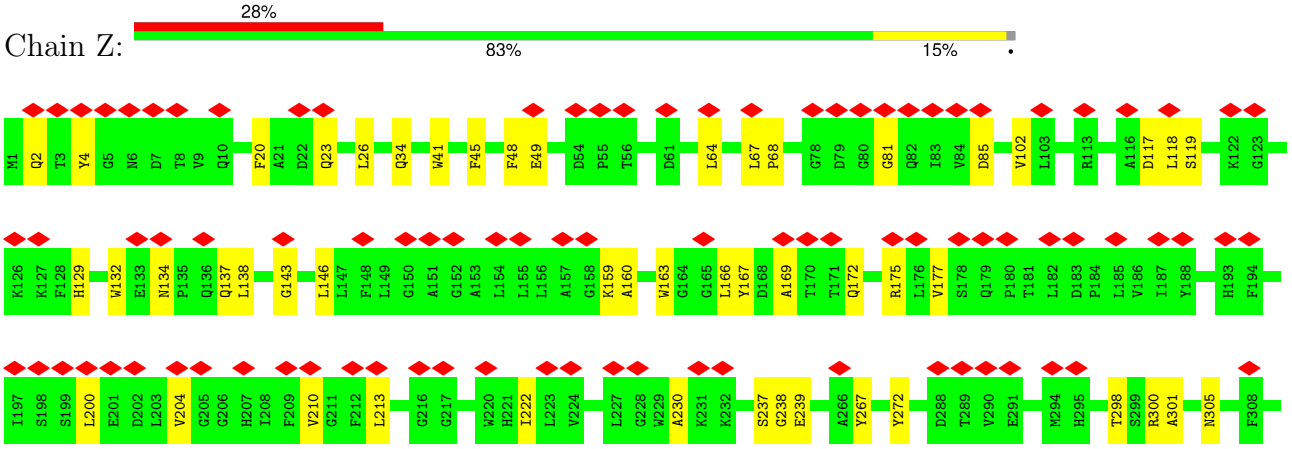
• Molecule 11: Iron stress-induced chlorophyll-binding protein

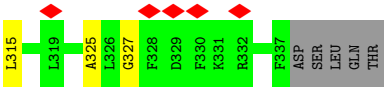
Chain Y:



• Molecule 11: Iron stress-induced chlorophyll-binding protein

Chain Z:

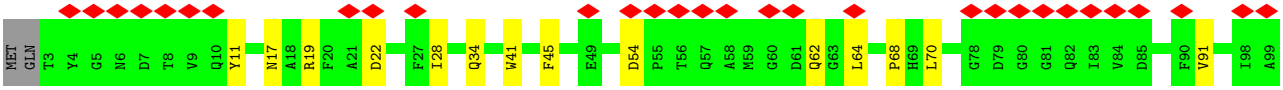


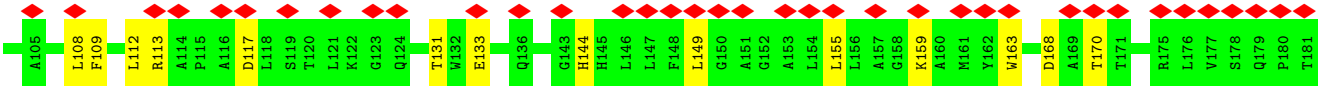


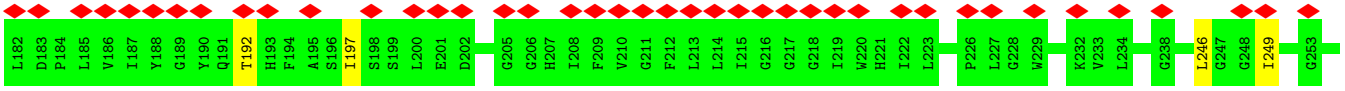
• Molecule 11: Iron stress-induced chlorophyll-binding protein

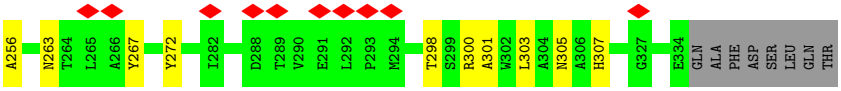
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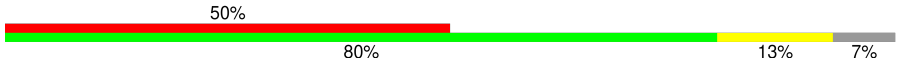


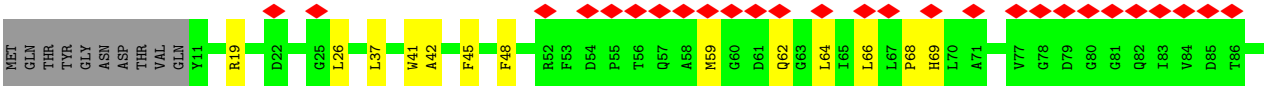


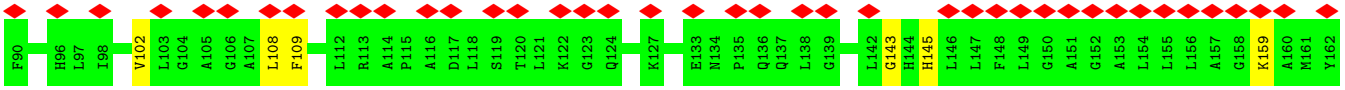


• Molecule 11: Iron stress-induced chlorophyll-binding protein

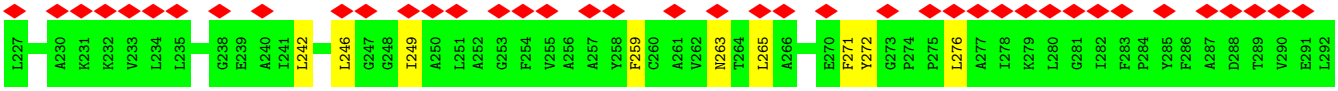
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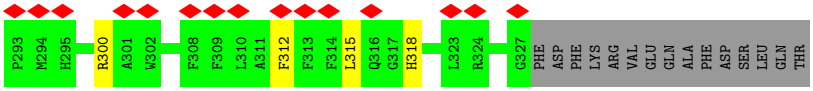








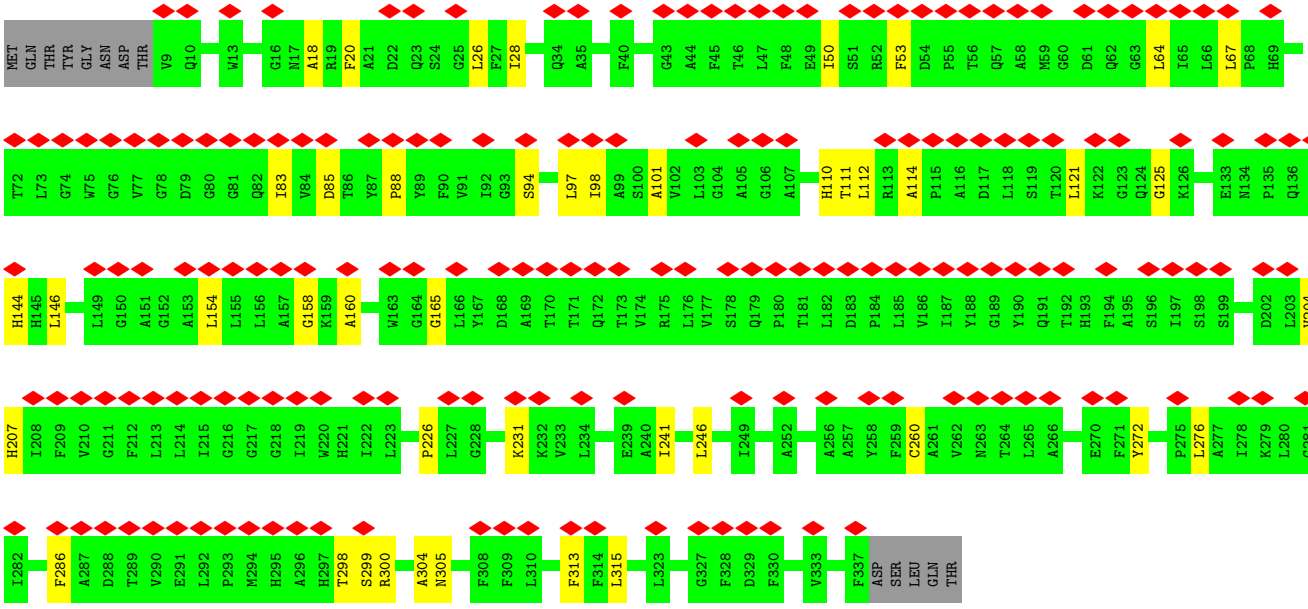




• Molecule 11: Iron stress-induced chlorophyll-binding protein

Chain n:

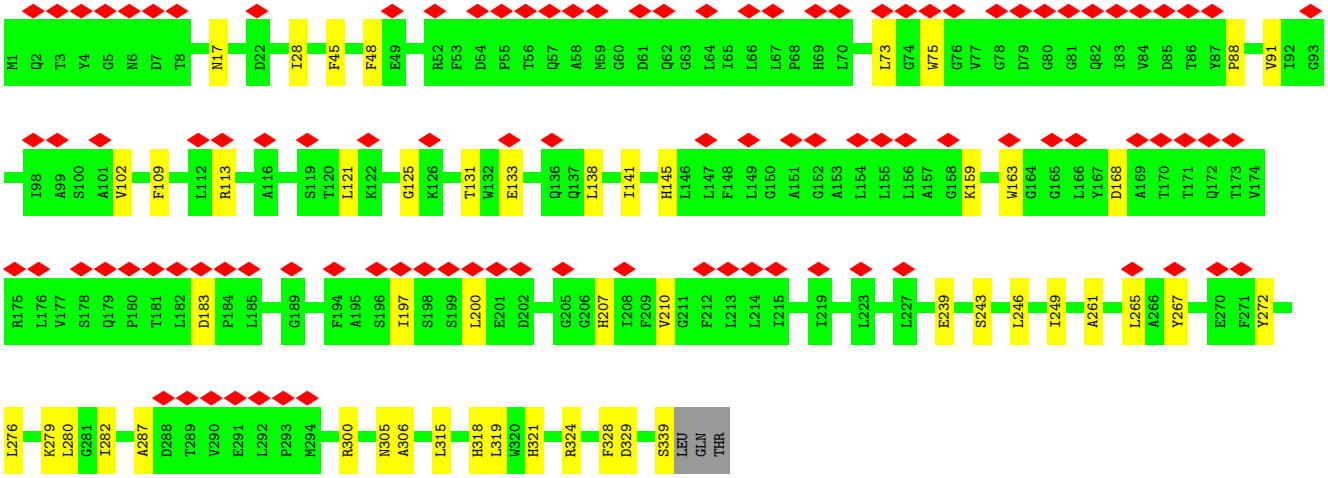




• Molecule 11: Iron stress-induced chlorophyll-binding protein

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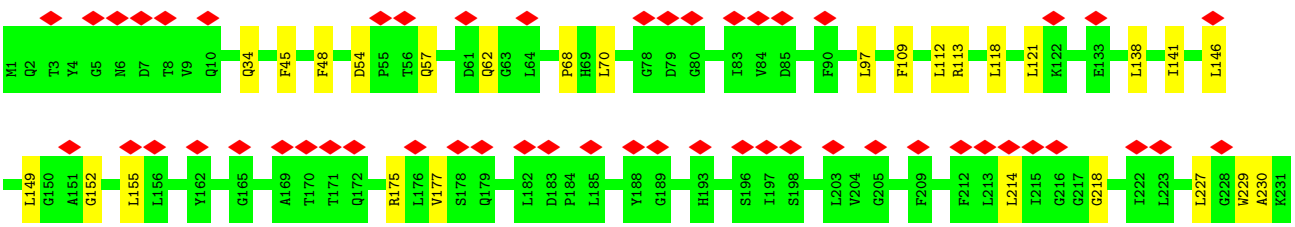


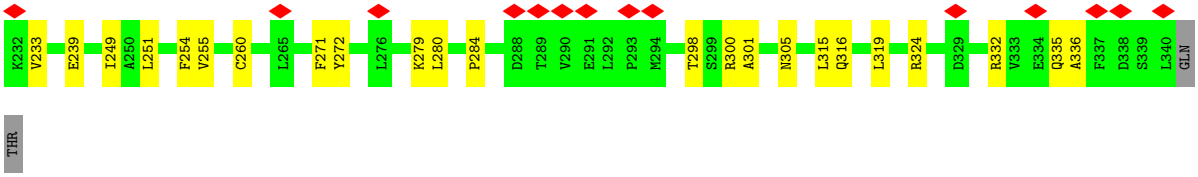


• Molecule 11: Iron stress-induced chlorophyll-binding protein

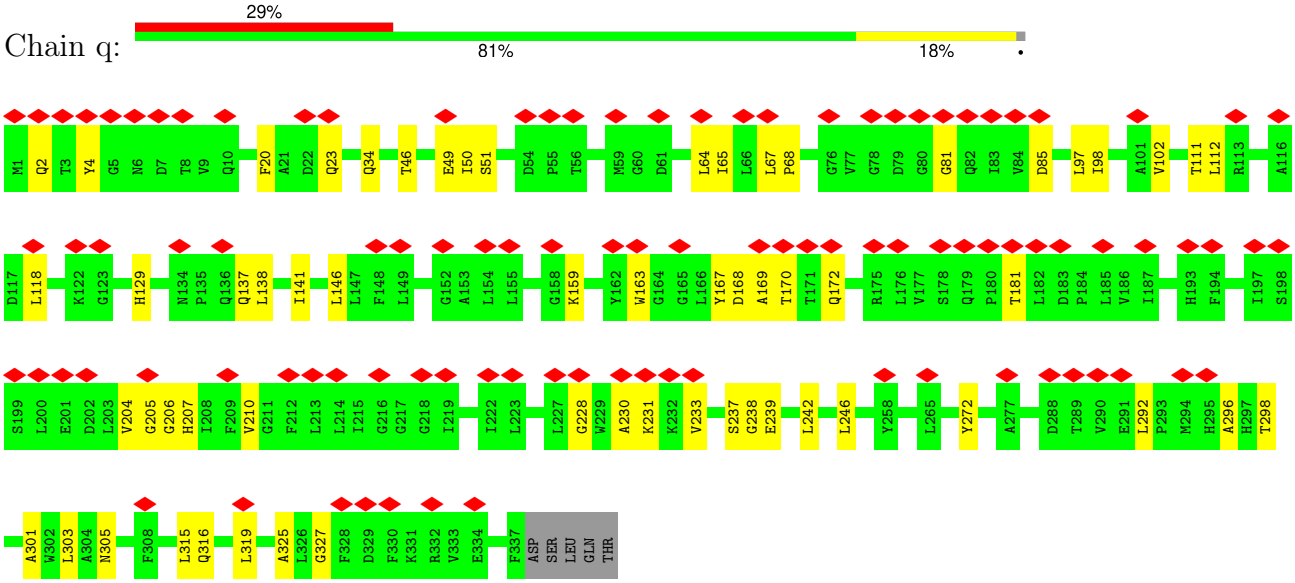
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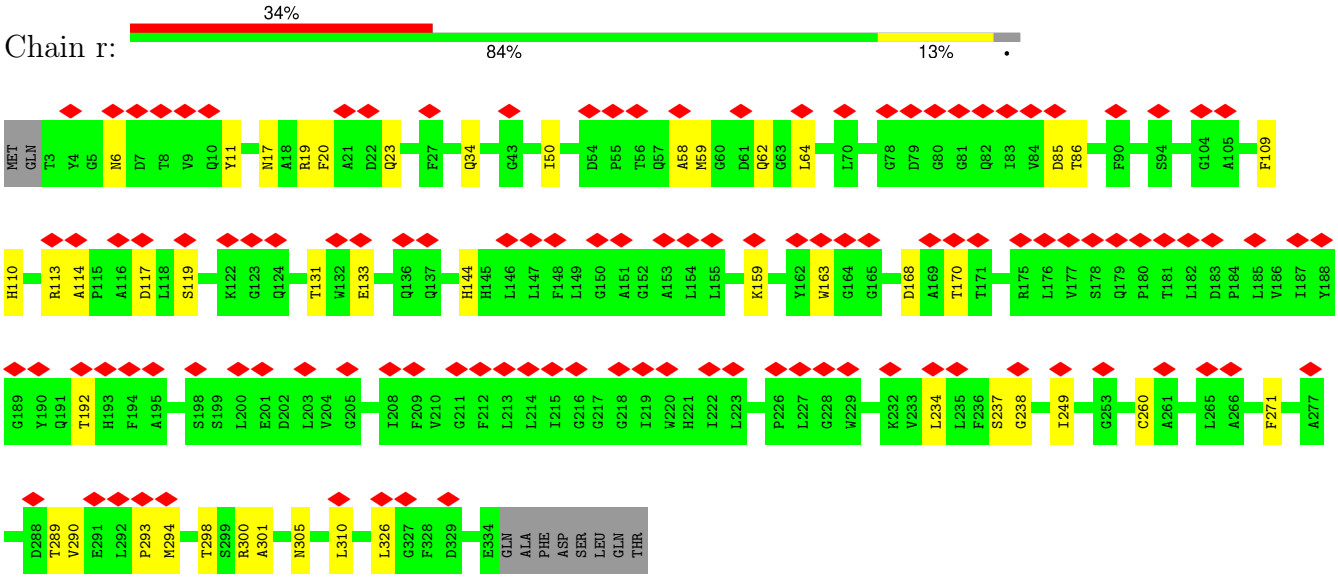




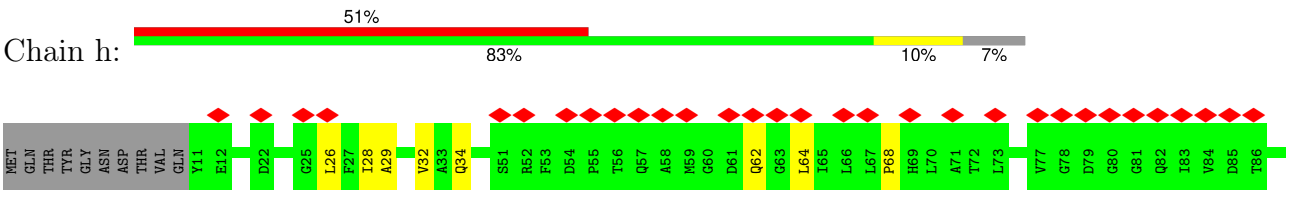
• Molecule 11: Iron stress-induced chlorophyll-binding protein

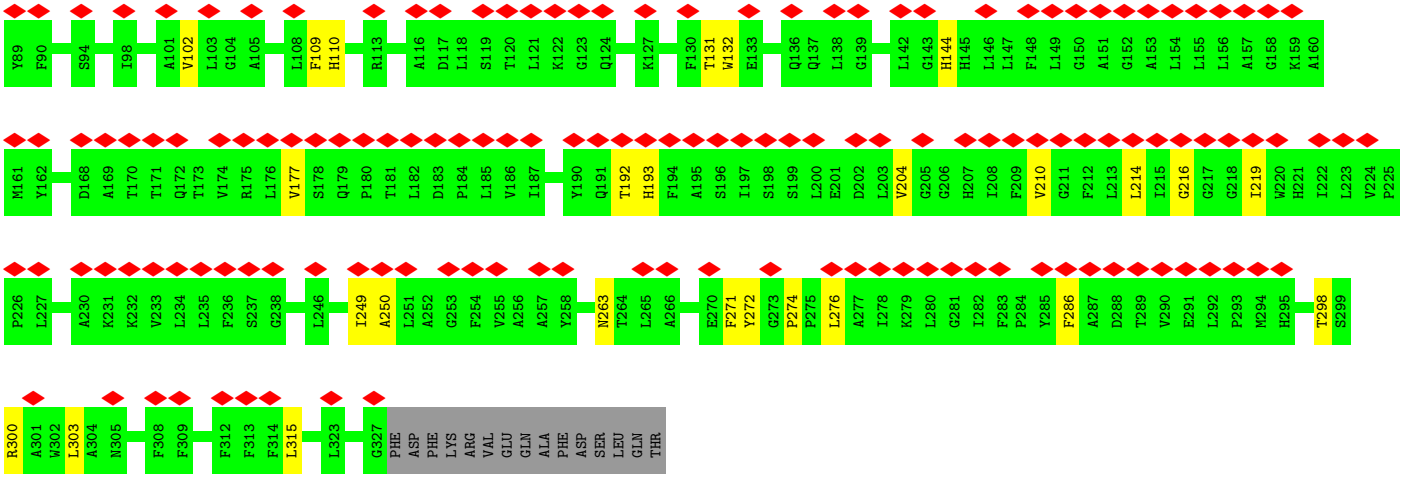


• Molecule 11: Iron stress-induced chlorophyll-binding protein



• Molecule 11: Iron stress-induced chlorophyll-binding protein

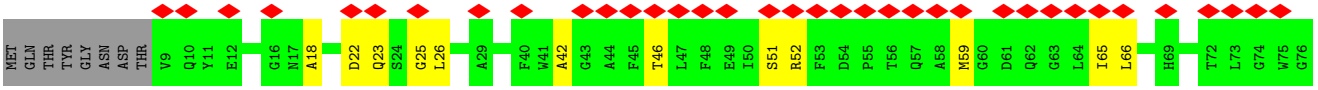


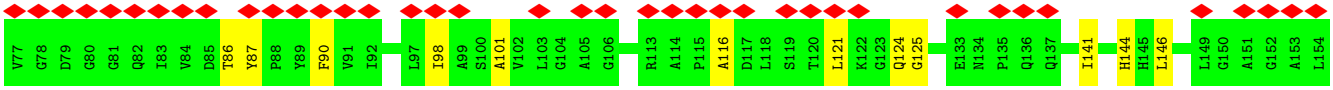


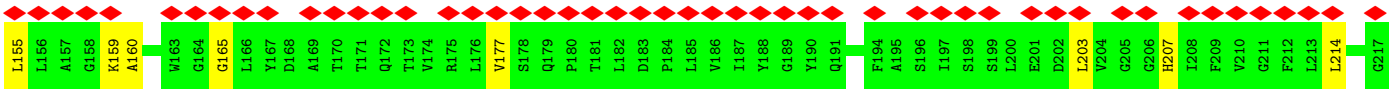
• Molecule 11: Iron stress-induced chlorophyll-binding protein

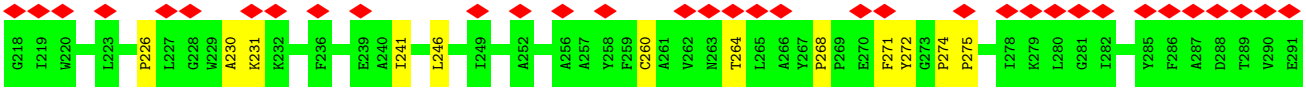
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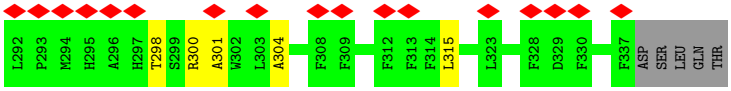








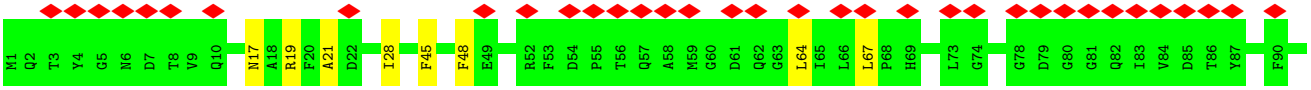


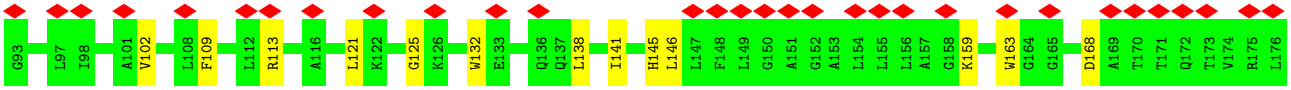


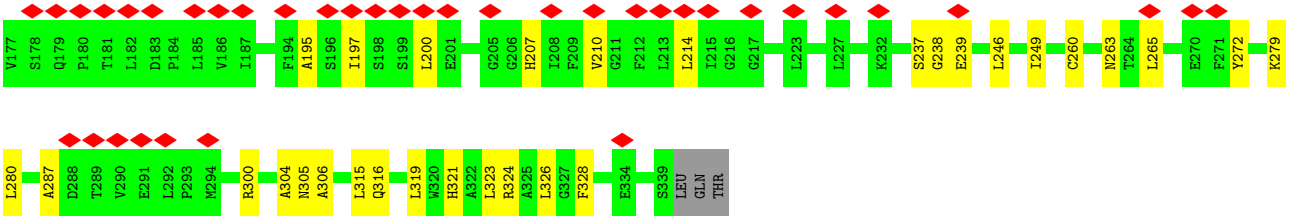
• Molecule 11: Iron stress-induced chlorophyll-binding protein

Chain u:

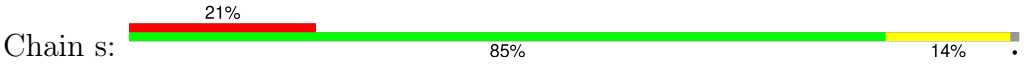


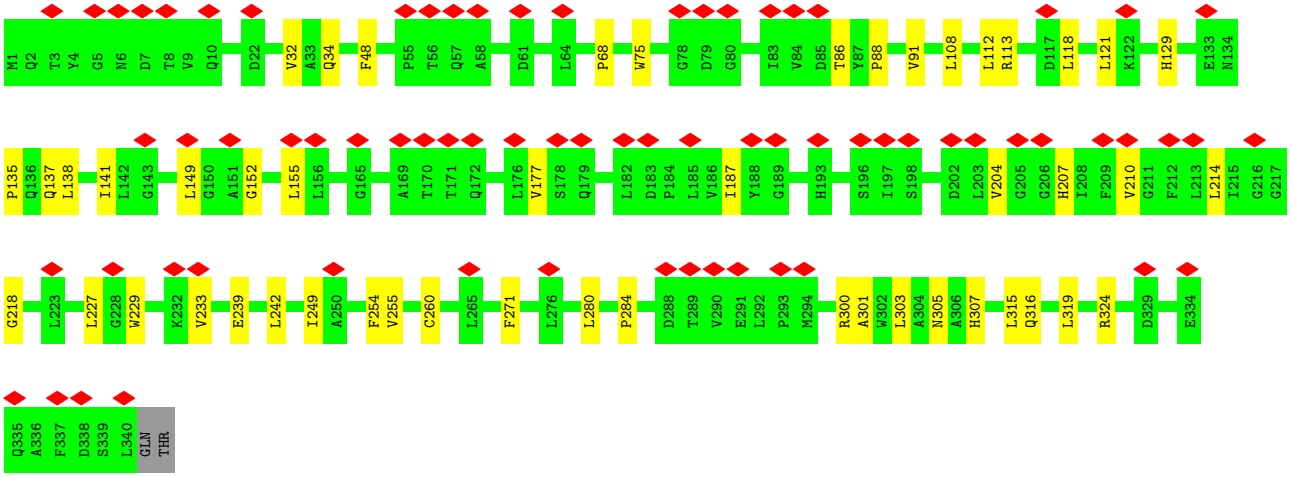




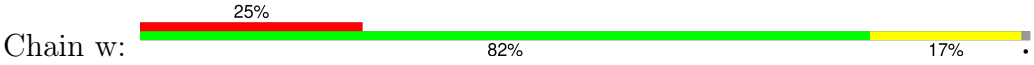


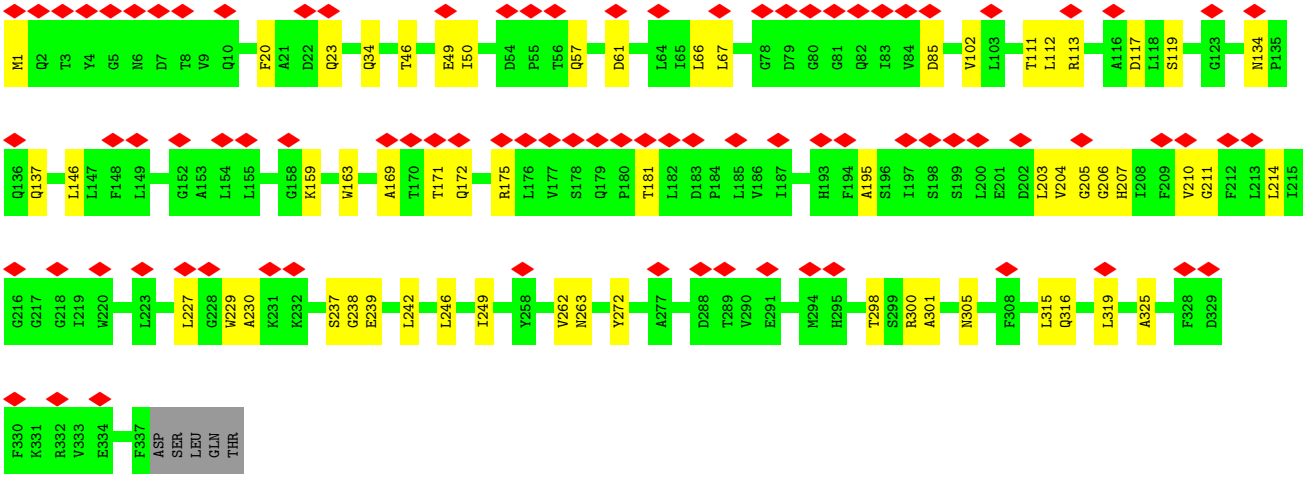
• Molecule 11: Iron stress-induced chlorophyll-binding protein



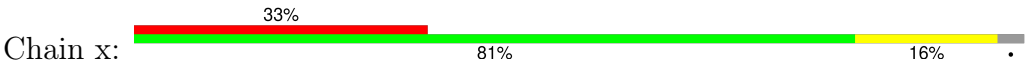


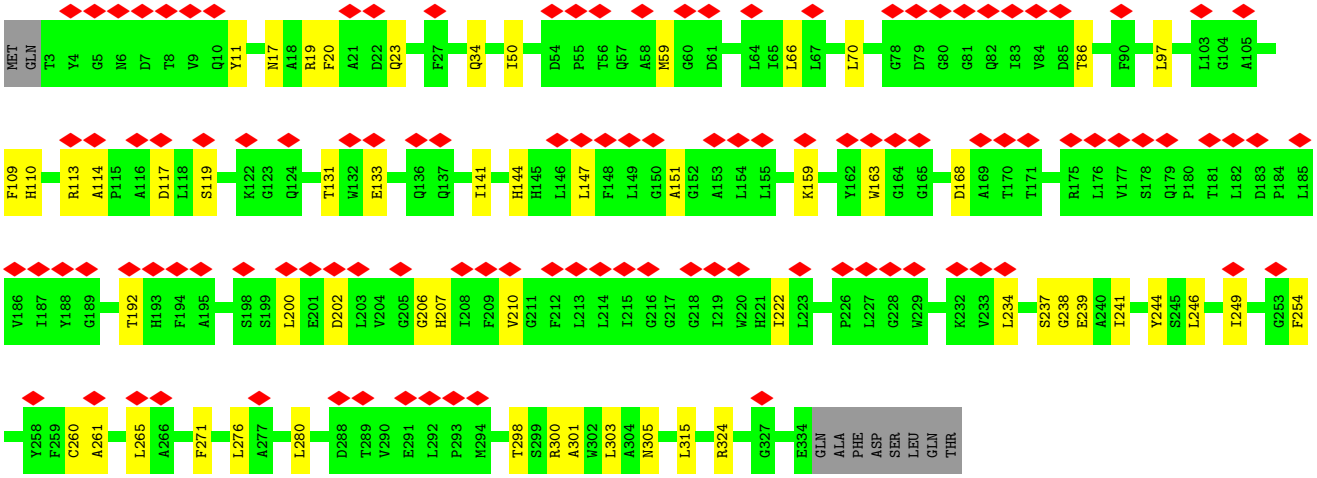
• Molecule 11: Iron stress-induced chlorophyll-binding protein





• Molecule 11: Iron stress-induced chlorophyll-binding protein

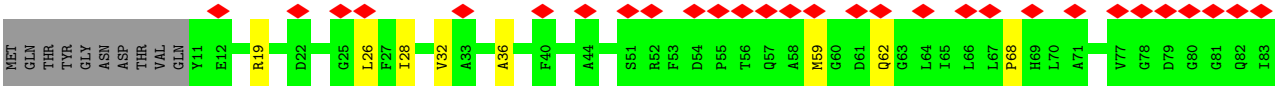




• Molecule 11: Iron stress-induced chlorophyll-binding protein

Chain v:

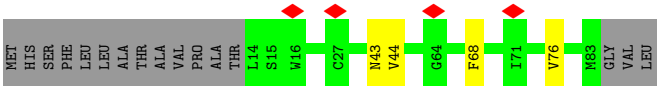




• Molecule 12: Photosystem I reaction center subunit PsaK 1

Chain k:

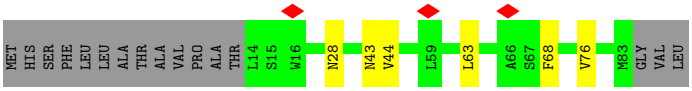




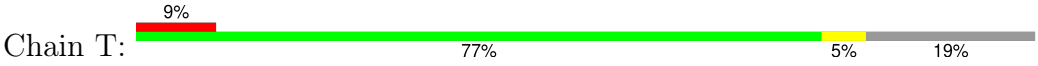
• Molecule 12: Photosystem I reaction center subunit PsaK 1

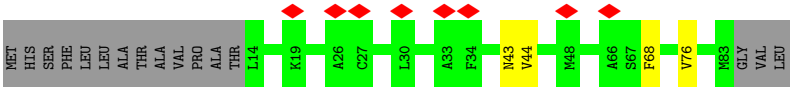
Chain K:





• Molecule 12: Photosystem I reaction center subunit PsaK 1





4 Experimental information (i)

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, C3	Depositor
Number of particles used	74000	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	PHASE FLIPPING ONLY	Depositor
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/Å^2$)	1.6	Depositor
Minimum defocus (nm)	Not provided	
Maximum defocus (nm)	Not provided	
Magnification	Not provided	
Image detector	GATAN K2 SUMMIT (4k x 4k)	Depositor
Maximum map value	0.151	Depositor
Minimum map value	-0.049	Depositor
Average map value	0.000	Depositor
Map value standard deviation	0.002	Depositor
Recommended contour level	0.0125	Depositor
Map size (Å)	512.0, 512.0, 512.0	wwPDB
Map dimensions	500, 500, 500	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	1.024, 1.024, 1.024	Depositor

5 Model quality (i)

5.1 Standard geometry (i)

Bond lengths and bond angles in the following residue types are not validated in this section: LMG, LHG, CL0, CA, SF4, LMT, CLA, BCR, PQN

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#$\|Z\|>5$	RMSZ	#$\|Z\|>5$
1	A	0.24	0/5984	0.41	0/8157
1	H	0.24	0/5984	0.42	0/8157
1	a	0.24	0/5984	0.42	0/8157
2	B	0.24	0/5977	0.42	0/8173
2	G	0.24	0/5977	0.42	0/8173
2	b	0.24	0/5977	0.42	0/8173
3	C	0.26	0/610	0.61	0/826
3	N	0.26	0/610	0.61	0/826
3	c	0.26	0/610	0.61	0/826
4	D	0.18	0/1122	0.41	0/1513
4	O	0.18	0/1122	0.42	0/1513
4	d	0.18	0/1122	0.41	0/1513
5	E	0.17	0/551	0.37	0/745
5	P	0.17	0/551	0.37	0/745
5	e	0.17	0/551	0.37	0/745
6	F	0.20	0/1098	0.48	0/1495
6	Q	0.20	0/1098	0.48	0/1495
6	f	0.20	0/1098	0.48	0/1495
7	I	0.27	0/304	0.55	0/416
7	R	0.27	0/304	0.55	0/416
7	i	0.27	0/304	0.55	0/416
8	J	0.19	0/316	0.43	0/428
8	S	0.18	0/316	0.43	0/428
8	j	0.18	0/316	0.42	0/428
9	L	0.22	0/1186	0.47	0/1611
9	U	0.22	0/1186	0.47	0/1611
9	l	0.22	0/1186	0.47	0/1611
10	M	0.21	0/241	0.45	0/326
10	V	0.21	0/241	0.45	0/326
10	m	0.21	0/241	0.45	0/326
11	W	0.18	0/2565	0.42	0/3512
11	X	0.19	0/2695	0.43	0/3685

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\|>5$	RMSZ	$\#\|Z\|>5$
11	Y	0.20	0/2698	0.44	0/3691
11	Z	0.19	0/2670	0.46	0/3650
11	g	0.18	0/2618	0.43	0/3582
11	h	0.16	0/2501	0.40	0/3423
11	n	0.15	0/2562	0.37	0/3508
11	o	0.17	0/2695	0.39	0/3685
11	p	0.18	0/2699	0.40	0/3692
11	q	0.16	0/2670	0.38	0/3650
11	r	0.16	0/2618	0.39	0/3582
11	s	0.17	0/2699	0.39	0/3692
11	t	0.16	0/2565	0.40	0/3512
11	u	0.17	0/2695	0.39	0/3685
11	v	0.15	0/2501	0.39	0/3423
11	w	0.16	0/2670	0.38	0/3650
11	x	0.16	0/2618	0.39	0/3582
11	y	0.18	0/2501	0.44	0/3423
12	K	0.19	0/495	0.54	0/672
12	T	0.19	0/495	0.55	0/672
12	k	0.19	0/495	0.54	0/672
All	All	0.21	0/100892	0.42	0/137713

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts (i)

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in the chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes within the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A	5786	0	5644	89	0
1	H	5786	0	5644	92	0
1	a	5786	0	5644	94	0
2	B	5766	0	5543	86	0
2	G	5766	0	5543	82	0
2	b	5766	0	5543	85	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
3	C	600	0	581	5	0
3	N	600	0	581	8	0
3	c	600	0	581	5	0
4	D	1098	0	1090	11	0
4	O	1098	0	1090	16	0
4	d	1098	0	1090	13	0
5	E	542	0	525	2	0
5	P	542	0	525	3	0
5	e	542	0	525	4	0
6	F	1069	0	1051	13	0
6	Q	1069	0	1051	17	0
6	f	1069	0	1051	16	0
7	I	293	0	292	5	0
7	R	293	0	292	4	0
7	i	293	0	292	5	0
8	J	308	0	314	6	0
8	S	308	0	314	7	0
8	j	308	0	314	7	0
9	L	1156	0	1127	21	0
9	U	1156	0	1127	23	0
9	l	1156	0	1127	23	0
10	M	238	0	260	3	0
10	V	238	0	260	0	0
10	m	238	0	260	2	0
11	W	2478	0	2379	26	0
11	X	2605	0	2526	29	0
11	Y	2608	0	2523	34	0
11	Z	2582	0	2509	33	0
11	g	2531	0	2454	30	0
11	h	2416	0	2361	23	0
11	n	2475	0	2377	32	0
11	o	2605	0	2526	38	0
11	p	2609	0	2526	38	0
11	q	2582	0	2509	43	0
11	r	2531	0	2454	30	0
11	s	2609	0	2526	33	0
11	t	2478	0	2379	34	0
11	u	2605	0	2526	37	0
11	v	2416	0	2361	27	0
11	w	2582	0	2509	39	0
11	x	2531	0	2454	41	0
11	y	2416	0	2361	35	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
12	K	485	0	492	3	0
12	T	485	0	492	1	0
12	k	485	0	492	1	0
13	A	70	0	80	1	0
13	H	70	0	80	1	0
13	I	44	0	58	0	0
13	R	44	0	58	1	0
13	a	70	0	80	1	0
13	i	44	0	58	0	0
14	A	116	0	142	3	0
14	B	43	0	56	3	0
14	G	43	0	56	2	0
14	H	116	0	142	4	0
14	Y	39	0	48	1	0
14	a	115	0	140	5	0
14	b	43	0	56	2	0
14	p	39	0	48	0	0
14	s	39	0	48	0	0
15	A	65	0	72	4	0
15	H	65	0	72	3	0
15	a	65	0	72	3	0
16	A	2600	0	2556	79	0
16	B	2344	0	2276	91	0
16	F	72	0	36	2	0
16	G	2344	0	2276	91	0
16	H	2600	0	2556	86	0
16	J	82	0	58	0	0
16	K	45	0	33	0	0
16	L	195	0	216	10	0
16	Q	72	0	36	2	0
16	S	82	0	58	0	0
16	T	45	0	33	0	0
16	U	195	0	216	11	0
16	W	947	0	877	31	0
16	X	952	0	890	26	0
16	Y	952	0	890	27	0
16	Z	943	0	869	20	0
16	a	2600	0	2556	80	0
16	b	2344	0	2276	89	0
16	f	72	0	36	2	0
16	g	923	0	828	25	0
16	h	933	0	845	23	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
16	j	82	0	58	0	0
16	k	45	0	33	0	0
16	l	195	0	216	9	0
16	n	947	0	877	29	0
16	o	952	0	890	25	0
16	p	952	0	890	23	0
16	q	943	0	869	21	0
16	r	923	0	828	18	0
16	s	952	0	890	22	0
16	t	947	0	877	34	0
16	u	952	0	890	27	0
16	v	933	0	845	23	0
16	w	943	0	869	23	0
16	x	923	0	828	27	0
16	y	933	0	845	26	0
17	A	33	0	46	0	0
17	B	33	0	46	5	0
17	G	33	0	46	5	0
17	H	33	0	46	0	0
17	a	33	0	46	1	0
17	b	33	0	46	4	0
18	A	8	0	0	0	0
18	C	16	0	0	1	0
18	H	8	0	0	0	0
18	N	16	0	0	1	0
18	a	8	0	0	0	0
18	c	16	0	0	1	0
19	A	240	0	336	12	0
19	B	265	0	369	17	0
19	F	40	0	56	3	0
19	G	265	0	369	16	0
19	H	240	0	336	11	0
19	I	80	0	112	4	0
19	J	120	0	168	6	0
19	K	40	0	56	2	0
19	L	80	0	112	11	0
19	M	40	0	56	3	0
19	Q	40	0	56	3	0
19	R	80	0	112	6	0
19	S	120	0	168	8	0
19	T	40	0	56	2	0
19	U	80	0	112	10	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
19	V	40	0	56	0	0
19	W	80	0	112	6	0
19	X	160	0	224	6	0
19	Y	160	0	224	6	0
19	Z	160	0	224	9	0
19	a	240	0	336	13	0
19	b	265	0	369	18	0
19	f	40	0	56	4	0
19	g	160	0	224	9	0
19	h	160	0	224	4	0
19	i	80	0	112	7	0
19	j	120	0	168	8	0
19	k	40	0	56	2	0
19	l	80	0	112	7	0
19	m	40	0	56	3	0
19	n	80	0	112	4	0
19	o	160	0	224	9	0
19	p	160	0	224	7	0
19	q	160	0	224	10	0
19	r	160	0	224	8	0
19	s	160	0	224	6	0
19	t	80	0	112	5	0
19	u	160	0	224	8	0
19	v	160	0	224	6	0
19	w	160	0	224	9	0
19	x	160	0	224	7	0
19	y	160	0	224	9	0
20	L	35	0	45	0	0
20	U	35	0	45	0	0
20	l	35	0	45	0	0
21	L	1	0	0	0	0
21	U	1	0	0	0	0
21	l	1	0	0	0	0
All	All	137509	0	135407	2074	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 8.

All (2074) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
19:b:4009:BCR:H24C	19:b:4010:BCR:HC8	1.61	0.81
19:B:4009:BCR:H24C	19:B:4010:BCR:HC8	1.62	0.80
19:G:4009:BCR:H24C	19:G:4010:BCR:HC8	1.62	0.80
19:a:4001:BCR:H23C	12:k:68:PHE:HB2	1.64	0.79
2:G:587:LEU:HD22	16:G:1234:CLA:HBB2	1.67	0.77
16:A:1124:CLA:HAB	19:A:4008:BCR:HC8	1.68	0.76
16:H:1124:CLA:HAB	19:H:4008:BCR:HC8	1.68	0.76
2:B:587:LEU:HD22	16:B:1234:CLA:HBB2	1.67	0.75
2:b:587:LEU:HD22	16:b:1234:CLA:HBB2	1.67	0.75
16:a:1124:CLA:HAB	19:a:4008:BCR:HC8	1.68	0.75
16:Y:504:CLA:H142	16:Y:507:CLA:HBB2	1.70	0.73
16:b:1238:CLA:H142	19:i:4020:BCR:H10C	1.71	0.72
19:L:4022:BCR:H393	9:U:133:GLY:HA3	1.71	0.72
16:s:504:CLA:H142	16:s:507:CLA:HBB2	1.71	0.72
19:A:4001:BCR:H23C	12:K:68:PHE:HB2	1.71	0.72
16:u:505:CLA:HBB2	16:u:510:CLA:H92	1.72	0.71
16:o:505:CLA:HBB2	16:o:510:CLA:H92	1.72	0.71
16:X:505:CLA:HBB2	16:X:510:CLA:H92	1.73	0.70
19:G:4014:BCR:HC32	19:S:4015:BCR:H16C	1.74	0.70
16:X:504:CLA:H13	16:X:507:CLA:HBB2	1.73	0.69
4:d:98:HIS:ND1	3:c:24:ASP:OD2	2.25	0.69
19:B:4014:BCR:HC32	19:J:4015:BCR:H16C	1.74	0.68
9:L:133:GLY:HA3	19:l:4022:BCR:H393	1.78	0.66
16:H:1132:CLA:H152	19:R:4020:BCR:H372	1.77	0.66
9:l:133:GLY:HA3	19:U:4022:BCR:H393	1.78	0.66
16:u:504:CLA:H13	16:u:507:CLA:HBB2	1.77	0.66
16:b:1207:CLA:H151	19:l:4022:BCR:H362	1.76	0.66
16:s:516:CLA:H2A	16:s:516:CLA:HED3	1.77	0.65
19:y:604:BCR:H351	16:x:515:CLA:HBB2	1.76	0.65
16:p:516:CLA:H2A	16:p:516:CLA:HED3	1.78	0.65
1:H:595:LEU:HD21	16:H:1128:CLA:HBC1	1.79	0.65
11:v:146:LEU:HD11	16:v:516:CLA:HAB	1.78	0.65
11:g:108:LEU:O	11:g:112:LEU:HB2	1.96	0.65
16:Y:516:CLA:H2A	16:Y:516:CLA:HED3	1.79	0.65
1:A:595:LEU:HD21	16:A:1128:CLA:HBC1	1.79	0.65
11:v:272:TYR:HB3	11:v:300:ARG:HB2	1.80	0.64
11:y:159:LYS:HA	11:y:163:TRP:HB2	1.79	0.64
16:p:504:CLA:H142	16:p:507:CLA:HBB2	1.78	0.64
16:W:507:CLA:H71	19:W:601:BCR:H12C	1.77	0.64
16:W:515:CLA:H41	16:W:515:CLA:H101	1.79	0.64
16:x:502:CLA:H2	19:x:602:BCR:H372	1.79	0.64
16:o:504:CLA:H13	16:o:507:CLA:HBB2	1.79	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
16:G:1238:CLA:H142	19:R:4020:BCR:H10C	1.78	0.64
16:v:502:CLA:H2	19:v:602:BCR:H373	1.80	0.64
1:a:398:GLY:HA3	1:a:602:LEU:HD11	1.80	0.64
1:a:595:LEU:HD21	16:a:1128:CLA:HBC1	1.79	0.64
9:l:151:ILE:HD12	16:G:1207:CLA:H11	1.80	0.64
2:b:140:VAL:HG13	10:m:14:VAL:HG11	1.81	0.63
16:h:502:CLA:H2	19:h:602:BCR:H373	1.79	0.63
1:A:398:GLY:HA3	1:A:602:LEU:HD11	1.81	0.63
16:x:506:CLA:HBB2	16:x:507:CLA:H151	1.80	0.63
16:B:1207:CLA:H11	9:U:151:ILE:HD12	1.81	0.62
1:H:412:MET:HE1	1:H:426:LEU:HD11	1.81	0.62
11:g:17:ASN:HB2	16:g:511:CLA:HBA1	1.81	0.62
11:y:109:PHE:HB2	16:x:515:CLA:HBA1	1.81	0.62
1:H:398:GLY:HA3	1:H:602:LEU:HD11	1.81	0.62
16:w:505:CLA:HBB1	16:w:510:CLA:H41	1.80	0.62
11:w:34:GLN:HG2	16:w:509:CLA:HHB	1.82	0.62
11:g:159:LYS:HA	11:g:163:TRP:HB2	1.80	0.62
16:a:1104:CLA:HED1	16:a:1128:CLA:H2	1.82	0.62
11:t:160:ALA:HA	11:t:165:GLY:HA2	1.80	0.62
1:A:412:MET:HE1	1:A:426:LEU:HD11	1.81	0.61
19:y:604:BCR:H15C	16:x:515:CLA:HBB2	1.81	0.61
16:B:1238:CLA:H142	19:I:4020:BCR:H10C	1.81	0.61
11:w:134:ASN:HB3	11:w:137:GLN:HE21	1.65	0.61
11:Z:34:GLN:HG2	16:Z:509:CLA:HHB	1.81	0.61
16:n:515:CLA:H101	16:n:515:CLA:H41	1.82	0.61
11:v:159:LYS:HA	11:v:163:TRP:HB2	1.81	0.61
1:a:412:MET:HE1	1:a:426:LEU:HD11	1.81	0.61
11:g:34:GLN:HG2	16:g:509:CLA:HHB	1.83	0.61
16:u:504:CLA:H2	16:u:506:CLA:H12	1.83	0.61
16:o:504:CLA:H2	16:o:506:CLA:H12	1.82	0.61
16:H:1104:CLA:HED1	16:H:1128:CLA:H2	1.82	0.61
16:H:1140:CLA:H171	8:S:23:ALA:HB2	1.83	0.61
1:a:678:VAL:HG11	1:a:733:LEU:HD23	1.83	0.60
16:A:1104:CLA:HED1	16:A:1128:CLA:H2	1.82	0.60
9:L:96:LEU:HB3	19:L:4019:BCR:H24C	1.84	0.60
11:X:210:VAL:HG21	16:X:505:CLA:HAB	1.82	0.60
16:X:504:CLA:H2	16:X:506:CLA:H12	1.83	0.60
9:U:96:LEU:HB3	19:U:4019:BCR:H24C	1.84	0.60
16:t:505:CLA:HBB2	16:t:510:CLA:H92	1.84	0.60
11:y:246:LEU:HB3	11:y:318:HIS:HB2	1.83	0.60
1:A:678:VAL:HG11	1:A:733:LEU:HD23	1.83	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
19:b:4014:BCR:HC32	19:j:4015:BCR:H16C	1.84	0.59
16:q:505:CLA:HBB1	16:q:510:CLA:H41	1.83	0.59
11:w:206:GLY:HA3	19:w:603:BCR:H281	1.83	0.59
4:D:10:LYS:HB2	4:D:49:ILE:HB	1.84	0.59
11:W:160:ALA:HA	11:W:165:GLY:HA2	1.85	0.59
16:n:505:CLA:HBB2	16:n:510:CLA:H92	1.85	0.59
16:r:515:CLA:HBA1	11:v:109:PHE:HB2	1.83	0.59
1:A:369:HIS:ND1	16:A:1116:CLA:OBD	2.36	0.59
1:H:678:VAL:HG11	1:H:733:LEU:HD23	1.83	0.59
16:Z:507:CLA:H92	19:Z:601:BCR:H14C	1.85	0.59
11:y:312:PHE:HA	11:y:315:LEU:HD12	1.84	0.59
1:a:369:HIS:ND1	16:a:1116:CLA:OBD	2.36	0.59
11:h:272:TYR:HB3	11:h:300:ARG:HB2	1.84	0.59
1:H:369:HIS:ND1	16:H:1116:CLA:OBD	2.36	0.59
11:w:146:LEU:HD11	16:w:516:CLA:HAB	1.84	0.59
1:a:355:ASN:ND2	16:a:1103:CLA:OBD	2.36	0.59
1:A:355:ASN:ND2	16:A:1103:CLA:OBD	2.36	0.58
9:l:96:LEU:HB3	19:l:4019:BCR:H24C	1.84	0.58
16:H:1130:CLA:H52	16:U:1502:CLA:H43	1.84	0.58
4:O:98:HIS:ND1	3:N:24:ASP:OD2	2.36	0.58
16:Y:507:CLA:H11	16:Y:511:CLA:H2	1.85	0.58
4:d:10:LYS:HB2	4:d:49:ILE:HB	1.84	0.58
11:n:98:ILE:HG22	16:h:513:CLA:HBB1	1.85	0.58
1:H:355:ASN:ND2	16:H:1103:CLA:OBD	2.36	0.58
16:G:1205:CLA:H92	19:G:4017:BCR:HC7	1.86	0.58
11:p:146:LEU:HD11	16:p:516:CLA:HAB	1.85	0.58
4:O:10:LYS:HB2	4:O:49:ILE:HB	1.84	0.58
11:v:59:MET:HA	11:v:62:GLN:HE21	1.68	0.58
16:v:508:CLA:H91	16:v:517:CLA:H12	1.86	0.57
16:B:1205:CLA:H92	19:B:4017:BCR:HC7	1.86	0.57
3:C:24:ASP:OD2	4:D:98:HIS:ND1	2.36	0.57
11:Z:159:LYS:HA	11:Z:163:TRP:HB2	1.86	0.57
11:n:94:SER:HA	11:n:97:LEU:HD13	1.86	0.57
11:n:160:ALA:HA	11:n:165:GLY:HA2	1.84	0.57
1:H:42:PRO:HG2	6:Q:97:GLU:HB3	1.86	0.57
2:G:195:VAL:HG23	2:G:196:HIS:HD2	1.69	0.57
2:G:450:GLN:NE2	2:G:611:THR:OG1	2.38	0.57
11:x:315:LEU:HD21	16:x:515:CLA:HAB	1.87	0.57
2:b:450:GLN:NE2	2:b:611:THR:OG1	2.37	0.57
11:p:255:VAL:HG11	16:p:505:CLA:H92	1.85	0.57
11:u:328:PHE:HB2	11:s:112:LEU:HD11	1.86	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:450:GLN:NE2	2:B:611:THR:OG1	2.38	0.57
11:Z:177:VAL:HG11	11:Z:204:VAL:HG21	1.87	0.57
11:g:41:TRP:O	11:g:45:PHE:HB2	2.04	0.57
2:b:195:VAL:HG23	2:b:196:HIS:HD2	1.69	0.57
16:b:1205:CLA:H92	19:b:4017:BCR:HC7	1.86	0.57
16:b:1211:CLA:H51	19:b:4006:BCR:H362	1.87	0.57
16:B:1211:CLA:H51	19:B:4006:BCR:H362	1.87	0.57
16:g:502:CLA:H2	19:g:602:BCR:H372	1.87	0.57
16:G:1211:CLA:H51	19:G:4006:BCR:H362	1.87	0.57
1:A:226:LEU:HD11	1:A:236:ILE:HG23	1.87	0.57
2:B:195:VAL:HG23	2:B:196:HIS:HD2	1.69	0.56
1:a:216:GLN:HA	1:a:220:SER:HB2	1.86	0.56
16:a:1130:CLA:HMB1	16:a:1237:CLA:HAA2	1.87	0.56
1:H:216:GLN:HA	1:H:220:SER:HB2	1.86	0.56
1:H:370:MET:O	1:H:386:GLN:NE2	2.37	0.56
1:a:370:MET:O	1:a:386:GLN:NE2	2.37	0.56
9:l:46:PRO:HA	9:l:49:ARG:HG2	1.87	0.56
11:p:138:LEU:HA	11:p:141:ILE:HD12	1.88	0.56
16:G:1207:CLA:H151	19:U:4022:BCR:H362	1.87	0.56
11:u:305:ASN:HB3	19:u:601:BCR:H402	1.86	0.56
16:g:515:CLA:HBA1	11:h:109:PHE:HB2	1.87	0.56
11:q:34:GLN:HG2	16:q:509:CLA:HHB	1.87	0.56
16:A:1140:CLA:H171	8:J:23:ALA:HB2	1.86	0.56
11:y:102:VAL:HG12	16:x:515:CLA:H71	1.85	0.56
2:b:521:ALA:O	2:b:525:HIS:ND1	2.39	0.56
9:l:157:ASN:OXT	1:H:468:GLN:NE2	2.38	0.56
11:Y:255:VAL:HG11	16:Y:505:CLA:H92	1.86	0.56
11:g:131:THR:HG23	11:g:133:GLU:H	1.71	0.56
2:b:174:ARG:HB3	16:b:1210:CLA:HBC3	1.87	0.56
1:H:226:LEU:HD11	1:H:236:ILE:HG23	1.87	0.56
1:H:433:ARG:NH1	1:H:558:SER:O	2.39	0.56
2:G:521:ALA:O	2:G:525:HIS:ND1	2.39	0.56
11:W:315:LEU:HD11	16:W:515:CLA:HAB	1.88	0.56
2:G:174:ARG:HB3	16:G:1210:CLA:HBC3	1.87	0.56
7:R:36:SER:HA	9:U:105:GLN:HE22	1.71	0.56
1:A:216:GLN:HA	1:A:220:SER:HB2	1.86	0.56
16:B:1207:CLA:H151	19:L:4022:BCR:H362	1.87	0.56
16:n:505:CLA:HBB2	16:n:510:CLA:H62	1.88	0.56
2:G:584:LEU:HD23	2:G:587:LEU:HD21	1.88	0.56
9:U:36:ASN:HB3	16:U:1501:CLA:HAC1	1.88	0.56
11:n:313:PHE:HE2	16:n:508:CLA:HBB1	1.70	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
16:h:508:CLA:H91	16:h:517:CLA:H12	1.87	0.56
16:X:507:CLA:H43	16:X:507:CLA:HED3	1.88	0.55
1:a:226:LEU:HD11	1:a:236:ILE:HG23	1.87	0.55
9:l:36:ASN:HB3	16:l:1501:CLA:HAC1	1.88	0.55
11:X:323:LEU:HD11	11:Y:108:LEU:HD22	1.89	0.55
14:a:852:LMG:H311	7:i:29:LEU:HB3	1.88	0.55
11:X:121:LEU:HD12	11:X:125:GLY:HA3	1.88	0.55
16:o:507:CLA:H43	16:o:507:CLA:HED3	1.88	0.55
1:a:433:ARG:NH1	1:a:558:SER:O	2.39	0.55
2:b:584:LEU:HD23	2:b:587:LEU:HD21	1.88	0.55
11:v:97:LEU:HB3	19:v:604:BCR:H342	1.89	0.55
9:L:46:PRO:HA	9:L:49:ARG:HG2	1.87	0.55
8:J:12:PRO:HB2	19:J:4013:BCR:H381	1.89	0.55
9:U:46:PRO:HA	9:U:49:ARG:HG2	1.87	0.55
2:B:174:ARG:HB3	16:B:1210:CLA:HBC3	1.87	0.55
2:B:584:LEU:HD23	2:B:587:LEU:HD21	1.88	0.55
16:b:1216:CLA:HMB2	16:b:1221:CLA:H62	1.89	0.55
16:b:1235:CLA:HBC2	19:j:4015:BCR:H312	1.88	0.55
16:G:1023:CLA:CGA	16:G:1023:CLA:H3A	2.37	0.55
11:x:20:PHE:HA	11:x:23:GLN:HG3	1.89	0.55
16:B:1023:CLA:CGA	16:B:1023:CLA:H3A	2.37	0.55
11:Z:41:TRP:O	11:Z:45:PHE:HB2	2.07	0.55
1:A:433:ARG:NH1	1:A:558:SER:O	2.39	0.55
11:y:272:TYR:HB3	11:y:300:ARG:HB2	1.87	0.55
1:H:559:SER:OG	1:H:560:ARG:N	2.40	0.55
11:s:249:ILE:HG13	16:s:509:CLA:HED2	1.87	0.55
16:y:502:CLA:H2	19:y:602:BCR:H373	1.89	0.55
11:q:2:GLN:HG3	11:q:325:ALA:HA	1.88	0.55
11:u:239:GLU:OE1	11:u:321:HIS:ND1	2.40	0.55
16:B:1202:CLA:HBD	16:B:1202:CLA:H122	1.90	0.54
1:a:657:VAL:HG22	1:a:745:ALA:HB3	1.89	0.54
16:G:1202:CLA:HBD	16:G:1202:CLA:H122	1.89	0.54
11:u:121:LEU:HD12	11:u:125:GLY:HA3	1.89	0.54
16:B:1216:CLA:HMB2	16:B:1221:CLA:H62	1.89	0.54
16:y:510:CLA:H62	16:y:516:CLA:HBB2	1.89	0.54
16:b:1219:CLA:HAB	16:b:1240:CLA:HBC2	1.89	0.54
11:h:26:LEU:HD22	16:h:512:CLA:HBA2	1.89	0.54
16:t:515:CLA:HBA1	11:u:109:PHE:HB2	1.90	0.54
11:s:324:ARG:NH1	16:s:511:CLA:O1D	2.40	0.54
1:a:559:SER:OG	1:a:560:ARG:N	2.40	0.54
11:o:210:VAL:HG21	16:o:505:CLA:HAB	1.89	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
16:G:1216:CLA:HMB2	16:G:1221:CLA:H62	1.89	0.54
1:A:423:ASN:OD1	1:A:428:ARG:NH1	2.41	0.54
16:H:1022:CLA:HBD	2:G:651:HIS:HB3	1.89	0.54
16:H:1022:CLA:H91	16:G:1023:CLA:H112	1.90	0.54
1:A:219:VAL:HG13	1:A:239:PRO:HB3	1.90	0.54
4:d:10:LYS:HE3	4:d:51:ASN:HD21	1.73	0.54
11:n:20:PHE:HB2	16:n:509:CLA:HMC2	1.88	0.54
11:p:146:LEU:HD22	16:p:510:CLA:HED1	1.90	0.54
1:H:539:ALA:O	1:H:543:HIS:ND1	2.41	0.54
16:u:507:CLA:H43	16:u:507:CLA:HED3	1.90	0.54
11:w:49:GLU:HG3	11:w:67:LEU:HD23	1.90	0.54
11:Y:41:TRP:O	11:Y:45:PHE:HB2	2.08	0.54
16:g:516:CLA:H2A	16:g:516:CLA:HED3	1.88	0.54
1:a:539:ALA:O	1:a:543:HIS:ND1	2.41	0.54
11:q:246:LEU:HD11	16:q:511:CLA:HAB	1.90	0.54
1:H:423:ASN:OD1	1:H:428:ARG:NH1	2.41	0.54
1:H:657:VAL:HG22	1:H:745:ALA:HB3	1.89	0.54
16:w:515:CLA:HBA1	11:x:109:PHE:HB2	1.90	0.54
1:A:510:GLY:HA2	1:A:524:PRO:HB3	1.90	0.54
11:W:313:PHE:HE2	16:W:508:CLA:HBB1	1.73	0.54
11:X:239:GLU:OE1	11:X:321:HIS:ND1	2.41	0.54
11:g:144:HIS:CD2	16:g:502:CLA:HAB	2.43	0.54
16:a:1022:CLA:HBD	2:b:651:HIS:HB3	1.90	0.54
11:r:20:PHE:HA	11:r:23:GLN:HG3	1.89	0.54
16:G:1219:CLA:HAB	16:G:1240:CLA:HBC2	1.89	0.54
11:t:226:PRO:O	11:t:231:LYS:NZ	2.41	0.54
8:j:12:PRO:HB2	19:j:4013:BCR:H381	1.89	0.54
8:S:12:PRO:HB2	19:S:4013:BCR:H381	1.89	0.54
1:A:539:ALA:O	1:A:543:HIS:ND1	2.41	0.54
16:y:508:CLA:H91	16:y:517:CLA:H12	1.89	0.54
16:b:1202:CLA:HBD	16:b:1202:CLA:H122	1.89	0.54
9:U:66:THR:O	9:U:77:GLN:NE2	2.41	0.54
9:L:36:ASN:HB3	16:L:1501:CLA:HAC1	1.89	0.53
1:a:510:GLY:HA2	1:a:524:PRO:HB3	1.90	0.53
11:q:169:ALA:O	11:q:172:GLN:NE2	2.41	0.53
4:O:10:LYS:HE3	4:O:51:ASN:HD21	1.73	0.53
11:x:305:ASN:HB3	19:x:601:BCR:H24C	1.90	0.53
11:W:268:PRO:HG2	11:W:271:PHE:HB2	1.91	0.53
11:Z:102:VAL:HG22	16:Z:503:CLA:HBB2	1.89	0.53
11:g:192:THR:HA	19:h:602:BCR:H333	1.90	0.53
1:a:423:ASN:OD1	1:a:428:ARG:NH1	2.41	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:H:422:VAL:HG11	4:O:49:ILE:HD11	1.89	0.53
16:A:1104:CLA:H151	16:A:1127:CLA:HBB2	1.89	0.53
11:X:102:VAL:HG22	16:X:503:CLA:HBB2	1.90	0.53
11:g:305:ASN:HB3	19:g:601:BCR:H24C	1.89	0.53
14:B:848:LMG:H332	16:B:1203:CLA:H61	1.91	0.53
11:q:204:VAL:HA	11:q:207:HIS:HB2	1.90	0.53
16:q:511:CLA:H42	19:q:601:BCR:HC41	1.91	0.53
16:H:1104:CLA:H151	16:H:1127:CLA:HBB2	1.89	0.53
14:G:848:LMG:H332	16:G:1203:CLA:H61	1.91	0.53
2:B:435:TYR:HD2	16:B:1021:CLA:H203	1.74	0.53
16:B:1219:CLA:HAB	16:B:1240:CLA:HBC2	1.89	0.53
16:B:1228:CLA:HBC3	19:F:4016:BCR:H362	1.91	0.53
6:F:24:LEU:O	6:F:36:ARG:NH2	2.42	0.53
16:b:1224:CLA:H142	16:b:1226:CLA:H171	1.90	0.53
11:o:159:LYS:HA	11:o:163:TRP:HB2	1.91	0.53
11:q:206:GLY:HA3	19:q:603:BCR:H281	1.90	0.53
16:a:1104:CLA:H151	16:a:1127:CLA:HBB2	1.89	0.53
16:b:1023:CLA:CGA	16:b:1023:CLA:H3A	2.37	0.53
16:b:1205:CLA:HAB	16:b:1206:CLA:HAA2	1.91	0.53
9:l:66:THR:O	9:l:77:GLN:NE2	2.41	0.53
11:u:159:LYS:HA	11:u:163:TRP:HB2	1.91	0.53
1:A:559:SER:OG	1:A:560:ARG:N	2.40	0.53
1:A:657:VAL:HG22	1:A:745:ALA:HB3	1.90	0.53
16:B:1205:CLA:HAB	16:B:1206:CLA:HAA2	1.91	0.53
4:D:10:LYS:HE3	4:D:51:ASN:HD21	1.73	0.53
5:E:13:ARG:HG3	5:E:15:GLU:HG3	1.91	0.53
11:w:169:ALA:O	11:w:172:GLN:NE2	2.42	0.53
9:L:96:LEU:HD23	19:L:4019:BCR:H402	1.91	0.53
16:W:515:CLA:HBA1	11:X:109:PHE:HB2	1.91	0.53
11:X:195:ALA:O	11:X:263:ASN:ND2	2.42	0.53
9:l:132:MET:HG3	19:l:4022:BCR:H24C	1.91	0.53
16:n:515:CLA:HBA1	11:o:109:PHE:HB2	1.90	0.53
2:G:345:LEU:HD23	16:G:1215:CLA:H62	1.91	0.53
2:G:435:TYR:HD2	16:G:1021:CLA:H203	1.74	0.53
16:G:1224:CLA:H142	16:G:1226:CLA:H171	1.90	0.53
11:s:152:GLY:HA2	11:s:155:LEU:HD12	1.91	0.53
11:w:298:THR:HG23	11:w:301:ALA:H	1.73	0.53
6:Q:24:LEU:O	6:Q:36:ARG:NH2	2.42	0.53
1:A:277:PHE:HE1	16:A:1116:CLA:HBB1	1.74	0.53
11:Z:2:GLN:HB2	11:Z:239:GLU:HG3	1.91	0.53
9:U:132:MET:HG3	19:U:4022:BCR:H24C	1.91	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:370:MET:O	1:A:386:GLN:NE2	2.38	0.53
16:A:1136:CLA:H191	16:L:1502:CLA:H72	1.89	0.53
9:L:151:ILE:HD12	16:b:1207:CLA:H11	1.91	0.53
11:X:159:LYS:HA	11:X:163:TRP:HB2	1.90	0.53
11:o:168:ASP:HB3	11:o:200:LEU:HD22	1.91	0.53
16:o:505:CLA:HBB2	16:o:510:CLA:H62	1.90	0.53
16:r:517:CLA:HED2	16:r:517:CLA:H2A	1.90	0.53
1:H:219:VAL:HG13	1:H:239:PRO:HB3	1.90	0.53
1:H:510:GLY:HA2	1:H:524:PRO:HB3	1.90	0.53
11:w:315:LEU:HD11	16:w:515:CLA:HAB	1.91	0.53
16:v:506:CLA:HBB2	16:v:507:CLA:H161	1.91	0.53
2:B:345:LEU:HD23	16:B:1215:CLA:H62	1.91	0.52
11:y:181:THR:H	11:y:205:GLY:HA3	1.74	0.52
1:a:219:VAL:HG13	1:a:239:PRO:HB3	1.90	0.52
16:a:1140:CLA:H171	8:j:23:ALA:HB2	1.91	0.52
2:b:345:LEU:HD23	16:b:1215:CLA:H62	1.91	0.52
1:H:720:ILE:HD11	2:G:563:GLY:HA3	1.91	0.52
16:G:1205:CLA:HAB	16:G:1206:CLA:HAA2	1.91	0.52
11:s:141:ILE:HD13	16:s:502:CLA:HBC3	1.91	0.52
16:A:1022:CLA:HBD	2:B:651:HIS:HB3	1.90	0.52
11:W:260:CYS:O	11:W:300:ARG:NE	2.39	0.52
16:X:505:CLA:HBB2	16:X:510:CLA:H62	1.90	0.52
11:t:246:LEU:HD21	16:t:511:CLA:HAB	1.91	0.52
11:u:141:ILE:HG12	16:u:502:CLA:HMC2	1.91	0.52
11:s:255:VAL:HG11	16:s:505:CLA:H92	1.91	0.52
11:w:316:GLN:HA	11:w:319:LEU:HB2	1.91	0.52
6:f:24:LEU:O	6:f:36:ARG:NH2	2.42	0.52
11:W:65:ILE:HG23	11:W:66:LEU:HD12	1.92	0.52
11:n:226:PRO:O	11:n:231:LYS:NZ	2.42	0.52
11:p:324:ARG:NH1	16:p:511:CLA:O1D	2.42	0.52
11:v:250:ALA:HB1	11:v:315:LEU:HD23	1.90	0.52
11:g:54:ASP:HB2	11:g:62:GLN:HE22	1.74	0.52
16:n:514:CLA:HED2	16:n:514:CLA:H2A	1.91	0.52
2:G:378:GLY:HA3	2:G:584:LEU:HD11	1.92	0.52
11:t:146:LEU:HD11	16:t:516:CLA:HAB	1.89	0.52
9:L:132:MET:HG3	19:L:4022:BCR:H24C	1.91	0.52
16:Z:511:CLA:H42	19:Z:601:BCR:HC41	1.92	0.52
2:b:435:TYR:HD2	16:b:1021:CLA:H203	1.74	0.52
2:G:557:ASP:OD2	2:G:561:ARG:NH2	2.43	0.52
11:t:160:ALA:HB1	11:t:177:VAL:HB	1.91	0.52
1:a:277:PHE:HE1	16:a:1116:CLA:HBB1	1.74	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:a:372:ALA:HA	1:a:522:MET:HE3	1.92	0.52
11:q:102:VAL:HG22	16:q:503:CLA:HBB2	1.91	0.52
11:u:168:ASP:HB3	11:u:200:LEU:HD22	1.90	0.52
11:w:204:VAL:HA	11:w:207:HIS:HB2	1.91	0.52
16:B:1203:CLA:H151	16:B:1225:CLA:HBB2	1.92	0.52
11:o:280:LEU:HD22	11:p:48:PHE:HB2	1.91	0.52
11:t:98:ILE:HG22	16:v:513:CLA:HBB1	1.92	0.52
11:w:102:VAL:HG22	16:w:503:CLA:HBB2	1.92	0.52
16:x:517:CLA:HED2	16:x:517:CLA:H2A	1.92	0.52
5:P:13:ARG:HG3	5:P:15:GLU:HG3	1.91	0.52
2:B:397:ASP:OD1	2:B:397:ASP:N	2.43	0.52
2:B:415:ALA:O	2:B:419:HIS:ND1	2.36	0.52
2:B:557:ASP:OD2	2:B:561:ARG:NH2	2.43	0.52
16:B:1224:CLA:H142	16:B:1226:CLA:H171	1.90	0.52
11:Y:239:GLU:OE2	11:Y:324:ARG:NH1	2.43	0.52
14:b:848:LMG:H332	16:b:1203:CLA:H61	1.91	0.52
11:n:272:TYR:HB3	11:n:300:ARG:HG3	1.92	0.52
11:o:88:PRO:HA	11:o:91:VAL:HG22	1.91	0.52
11:p:152:GLY:HA2	11:p:155:LEU:HD12	1.90	0.52
11:r:34:GLN:HG2	16:r:509:CLA:HHB	1.92	0.52
16:H:1119:CLA:H162	19:H:4008:BCR:HC42	1.91	0.52
11:u:141:ILE:O	11:u:145:HIS:ND1	2.41	0.52
1:A:372:ALA:HA	1:A:522:MET:HE3	1.92	0.52
6:F:89:GLU:HG3	6:F:107:LEU:HD21	1.92	0.52
16:y:513:CLA:HBB2	16:y:515:CLA:H101	1.91	0.52
1:a:447:LEU:HB3	1:a:540:PHE:HB2	1.91	0.52
1:H:447:LEU:HB3	1:H:540:PHE:HB2	1.91	0.52
9:U:96:LEU:HD23	19:U:4019:BCR:H402	1.91	0.52
16:x:507:CLA:H61	19:x:601:BCR:H10C	1.90	0.52
5:e:13:ARG:HG3	5:e:15:GLU:HG3	1.91	0.52
2:B:378:GLY:HA3	2:B:584:LEU:HD11	1.92	0.52
9:L:74:SER:OG	9:L:75:GLU:N	2.44	0.52
11:W:101:ALA:HB1	16:y:515:CLA:H93	1.92	0.52
11:y:42:ALA:HB1	16:y:504:CLA:HED3	1.91	0.52
16:y:506:CLA:HBB2	16:y:507:CLA:H161	1.91	0.52
16:b:1203:CLA:H151	16:b:1225:CLA:HBB2	1.92	0.52
11:h:250:ALA:HB1	11:h:315:LEU:HD23	1.91	0.52
16:h:506:CLA:HBB2	16:h:507:CLA:H161	1.92	0.52
11:t:18:ALA:HB2	16:t:511:CLA:HAA2	1.91	0.52
16:w:509:CLA:H71	16:w:509:CLA:HBD	1.92	0.52
16:w:511:CLA:H42	19:w:601:BCR:HC41	1.90	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
11:x:34:GLN:HG2	16:x:509:CLA:HHB	1.91	0.52
1:A:447:LEU:HB3	1:A:540:PHE:HB2	1.91	0.51
9:L:66:THR:O	9:L:77:GLN:NE2	2.41	0.51
11:X:243:SER:O	11:X:318:HIS:ND1	2.43	0.51
16:a:1130:CLA:H52	16:l:1502:CLA:H43	1.92	0.51
9:l:74:SER:OG	9:l:75:GLU:N	2.44	0.51
11:n:50:ILE:HG22	11:n:67:LEU:HD21	1.91	0.51
11:o:305:ASN:HB3	19:o:601:BCR:H402	1.93	0.51
8:j:28:GLU:OE2	8:j:31:ARG:NH1	2.43	0.51
16:W:514:CLA:HED2	16:W:514:CLA:H2A	1.92	0.51
16:X:510:CLA:HED2	16:X:510:CLA:H2A	1.92	0.51
11:Z:85:ASP:N	11:Z:85:ASP:OD1	2.44	0.51
2:b:577:MET:HB3	2:b:707:LEU:HD11	1.92	0.51
11:q:49:GLU:HG3	11:q:67:LEU:HD23	1.92	0.51
2:G:473:ASP:HB2	2:G:478:ASN:HB2	1.92	0.51
11:u:323:LEU:HD11	11:s:108:LEU:HD22	1.92	0.51
11:g:197:ILE:HG12	11:g:263:ASN:HD21	1.76	0.51
16:a:1022:CLA:H91	16:b:1023:CLA:H112	1.93	0.51
16:q:515:CLA:HBA1	11:r:109:PHE:HB2	1.91	0.51
11:w:246:LEU:HD11	16:w:511:CLA:HAB	1.92	0.51
11:x:246:LEU:HD13	16:x:511:CLA:HAB	1.91	0.51
2:B:473:ASP:HB2	2:B:478:ASN:HB2	1.92	0.51
2:B:577:MET:HB3	2:B:707:LEU:HD11	1.92	0.51
11:y:143:GLY:HA3	11:y:222:ILE:HG23	1.91	0.51
1:H:372:ALA:HA	1:H:522:MET:HE3	1.92	0.51
16:H:1138:CLA:H91	16:Q:1301:CLA:HAC2	1.92	0.51
4:O:14:SER:OG	4:O:15:THR:N	2.43	0.51
11:t:144:HIS:CD2	16:t:502:CLA:HAB	2.45	0.51
11:x:17:ASN:HB2	16:x:511:CLA:HBA1	1.92	0.51
6:f:89:GLU:HG3	6:f:107:LEU:HD21	1.92	0.51
6:Q:89:GLU:HG3	6:Q:107:LEU:HD21	1.92	0.51
4:d:14:SER:OG	4:d:15:THR:N	2.43	0.51
9:l:96:LEU:HD23	19:l:4019:BCR:H402	1.91	0.51
11:o:121:LEU:HD12	11:o:125:GLY:HA3	1.92	0.51
16:G:1203:CLA:H151	16:G:1225:CLA:HBB2	1.92	0.51
16:L:1501:CLA:HAA2	19:l:4022:BCR:H363	1.92	0.51
11:Y:26:LEU:HB3	16:Y:512:CLA:HMA1	1.92	0.51
1:a:127:ASN:HB3	1:a:135:HIS:HB3	1.92	0.51
2:b:582:ASN:HB2	16:b:1012:CLA:HBC2	1.93	0.51
16:n:504:CLA:H13	16:n:507:CLA:HBB2	1.92	0.51
11:o:141:ILE:O	11:o:145:HIS:ND1	2.40	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
16:G:1227:CLA:HBB2	16:G:1236:CLA:HHC	1.92	0.51
11:x:144:HIS:CD2	16:x:502:CLA:HAB	2.44	0.51
16:A:1119:CLA:H162	19:A:4008:BCR:HC42	1.91	0.51
11:g:267:TYR:O	11:g:300:ARG:NH2	2.42	0.51
16:g:515:CLA:H71	11:h:102:VAL:HG12	1.93	0.51
2:b:557:ASP:OD2	2:b:561:ARG:NH2	2.43	0.51
16:o:510:CLA:HED2	16:o:510:CLA:H2A	1.92	0.51
16:A:1022:CLA:H91	16:B:1023:CLA:H112	1.93	0.51
11:Z:49:GLU:HG3	11:Z:67:LEU:HD23	1.92	0.51
11:Z:169:ALA:O	11:Z:172:GLN:NE2	2.44	0.51
16:a:1119:CLA:H162	19:a:4008:BCR:HC42	1.91	0.51
11:q:2:GLN:HB2	11:q:239:GLU:HG3	1.92	0.51
1:H:277:PHE:HE1	16:H:1116:CLA:HBB1	1.74	0.51
2:G:397:ASP:OD1	2:G:397:ASP:N	2.43	0.51
2:G:582:ASN:HB2	16:G:1012:CLA:HBC2	1.93	0.51
16:B:1227:CLA:HBB2	16:B:1236:CLA:HHC	1.92	0.51
11:x:249:ILE:HB	16:x:510:CLA:HBA2	1.93	0.51
2:B:521:ALA:O	2:B:525:HIS:ND1	2.39	0.51
16:B:1225:CLA:H162	19:B:4006:BCR:H19C	1.93	0.51
8:J:28:GLU:OE2	8:J:31:ARG:NH1	2.43	0.51
2:b:568:SER:OG	2:b:571:ASP:OD1	2.29	0.51
16:u:504:CLA:HAB	16:u:506:CLA:H101	1.92	0.51
1:A:127:ASN:HB3	1:A:135:HIS:HB3	1.92	0.50
1:A:188:GLU:O	1:A:192:ASN:ND2	2.45	0.50
16:A:1013:CLA:H151	16:A:1101:CLA:H171	1.93	0.50
11:X:237:SER:OG	11:X:238:GLY:N	2.44	0.50
1:a:656:ASN:OD1	1:a:746:ARG:NH1	2.44	0.50
2:b:378:GLY:HA3	2:b:584:LEU:HD11	1.92	0.50
16:p:515:CLA:H162	11:q:98:ILE:HG12	1.92	0.50
11:r:85:ASP:OD2	11:r:85:ASP:N	2.43	0.50
11:h:32:VAL:HB	16:h:503:CLA:HBC3	1.93	0.50
16:t:507:CLA:H71	19:t:601:BCR:H12C	1.93	0.50
9:L:5:ASN:OD1	9:L:6:GLN:NE2	2.45	0.50
11:Z:315:LEU:HD11	16:Z:515:CLA:HAB	1.93	0.50
2:b:92:TRP:HB3	7:i:15:ILE:HG13	1.93	0.50
2:b:454:GLU:OE1	6:f:52:HIS:ND1	2.41	0.50
16:G:1012:CLA:HMB3	16:G:1021:CLA:H201	1.93	0.50
11:X:88:PRO:HA	11:X:91:VAL:HG22	1.94	0.50
1:a:340:LEU:HD21	16:a:1122:CLA:HBC3	1.93	0.50
2:b:473:ASP:HB2	2:b:478:ASN:HB2	1.92	0.50
9:l:5:ASN:OD1	9:l:6:GLN:NE2	2.45	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
11:r:326:LEU:HD11	11:v:112:LEU:HD12	1.93	0.50
16:r:515:CLA:H71	11:v:102:VAL:HG12	1.94	0.50
14:H:4101:LMG:H122	16:U:1503:CLA:HMB2	1.94	0.50
16:t:515:CLA:O1D	11:u:113:ARG:NH2	2.45	0.50
16:v:506:CLA:HBB1	16:v:507:CLA:HMC2	1.93	0.50
16:A:1013:CLA:H3A	16:A:1013:CLA:CGA	2.42	0.50
2:G:577:MET:HB3	2:G:707:LEU:HD11	1.92	0.50
11:u:249:ILE:HG12	16:u:506:CLA:HAC1	1.91	0.50
2:B:568:SER:OG	2:B:571:ASP:OD1	2.29	0.50
16:B:1012:CLA:HMB3	16:B:1021:CLA:H201	1.93	0.50
11:Z:146:LEU:HD11	16:Z:516:CLA:HAB	1.94	0.50
11:Z:175:ARG:HE	11:Z:200:LEU:HD12	1.76	0.50
16:p:509:CLA:HBD	16:p:509:CLA:H71	1.94	0.50
16:H:1013:CLA:H151	16:H:1101:CLA:H171	1.93	0.50
2:G:454:GLU:OE2	2:G:459:GLN:NE2	2.44	0.50
9:U:74:SER:OG	9:U:75:GLU:N	2.44	0.50
11:u:64:LEU:HD13	11:u:67:LEU:HD12	1.93	0.50
11:x:66:LEU:HD23	16:x:504:CLA:HED3	1.94	0.50
16:b:1225:CLA:H162	19:b:4006:BCR:H19C	1.93	0.50
11:o:282:ILE:HD12	16:o:517:CLA:HED3	1.92	0.50
16:t:514:CLA:H2A	16:t:514:CLA:HED2	1.93	0.50
2:B:582:ASN:HB2	16:B:1012:CLA:HBC2	1.93	0.50
4:D:14:SER:OG	4:D:15:THR:N	2.43	0.50
16:Y:506:CLA:HBB1	16:Y:507:CLA:HMC2	1.94	0.50
2:b:692:ASP:OD1	2:b:692:ASP:N	2.43	0.50
11:p:214:LEU:HD21	16:p:510:CLA:H72	1.93	0.50
1:H:127:ASN:HB3	1:H:135:HIS:HB3	1.92	0.50
11:t:315:LEU:HD11	16:t:515:CLA:HAB	1.92	0.50
1:A:64:ASP:OD1	1:A:64:ASP:N	2.45	0.50
11:Y:145:HIS:ND1	16:Y:510:CLA:OBD	2.38	0.50
11:Y:324:ARG:NH1	16:Y:511:CLA:O1D	2.44	0.50
11:p:70:LEU:HD21	16:p:504:CLA:HED2	1.93	0.50
11:s:135:PRO:HA	11:s:138:LEU:HD12	1.94	0.50
2:B:173:SER:OG	16:B:1209:CLA:O1D	2.30	0.50
2:B:454:GLU:OE2	2:B:459:GLN:NE2	2.44	0.50
11:Y:280:LEU:HD22	11:Z:48:PHE:HB2	1.93	0.50
19:y:604:BCR:H10C	19:y:604:BCR:H311	1.93	0.50
2:b:178:HIS:ND1	16:b:1221:CLA:O1D	2.44	0.50
16:G:1235:CLA:H152	19:Q:4016:BCR:H23C	1.94	0.50
16:X:503:CLA:HMC2	19:X:602:BCR:H23C	1.94	0.49
11:g:11:TYR:O	11:g:19:ARG:NH2	2.43	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
16:a:1013:CLA:H151	16:a:1101:CLA:H171	1.93	0.49
2:b:256:THR:HG1	2:b:271:THR:HG1	1.56	0.49
2:b:454:GLU:OE2	2:b:459:GLN:NE2	2.44	0.49
16:b:1227:CLA:HBB2	16:b:1236:CLA:HHC	1.92	0.49
16:o:515:CLA:O1D	11:p:113:ARG:NH2	2.44	0.49
11:q:46:THR:O	11:q:50:ILE:N	2.44	0.49
1:H:579:ARG:NH1	4:O:63:GLU:OE1	2.44	0.49
11:t:203:LEU:O	11:t:207:HIS:ND1	2.44	0.49
2:B:92:TRP:HB3	7:I:15:ILE:HG13	1.94	0.49
2:B:178:HIS:ND1	16:B:1221:CLA:O1D	2.44	0.49
16:B:1207:CLA:HAB	7:I:19:GLY:HA3	1.93	0.49
1:a:188:GLU:O	1:a:192:ASN:ND2	2.45	0.49
1:a:645:TRP:HB3	15:a:1011:CL0:H48	1.95	0.49
11:p:54:ASP:HB2	11:p:62:GLN:HE22	1.77	0.49
11:r:11:TYR:O	11:r:19:ARG:NH2	2.45	0.49
16:r:515:CLA:H141	16:r:515:CLA:H203	1.94	0.49
11:h:274:PRO:HD2	11:h:298:THR:HG21	1.93	0.49
1:H:64:ASP:N	1:H:64:ASP:OD1	2.45	0.49
1:H:656:ASN:OD1	1:H:746:ARG:NH1	2.44	0.49
2:G:568:SER:OG	2:G:571:ASP:OD1	2.29	0.49
11:w:146:LEU:HD22	16:w:510:CLA:HED1	1.94	0.49
2:B:393:VAL:HG23	2:B:538:ALA:HB1	1.94	0.49
11:y:48:PHE:HB2	11:x:280:LEU:HD22	1.95	0.49
1:a:64:ASP:OD1	1:a:64:ASP:N	2.45	0.49
1:a:86:TRP:HA	16:a:1105:CLA:HBB2	1.94	0.49
2:b:415:ALA:O	2:b:419:HIS:ND1	2.36	0.49
1:H:188:GLU:O	1:H:192:ASN:ND2	2.45	0.49
1:H:645:TRP:HB3	15:H:1011:CL0:H48	1.94	0.49
11:t:264:THR:HG21	11:t:275:PRO:HG3	1.94	0.49
16:b:1012:CLA:HMB3	16:b:1021:CLA:H201	1.93	0.49
11:o:183:ASP:OD2	11:o:183:ASP:N	2.45	0.49
11:h:34:GLN:HG2	16:h:509:CLA:HHB	1.95	0.49
16:G:1225:CLA:H162	19:G:4006:BCR:H19C	1.93	0.49
11:w:46:THR:O	11:w:50:ILE:N	2.44	0.49
8:S:28:GLU:OE2	8:S:31:ARG:NH1	2.43	0.49
16:A:1126:CLA:H193	19:J:4012:BCR:H10C	1.94	0.49
16:A:1136:CLA:H201	16:L:1502:CLA:H102	1.95	0.49
2:B:413:LYS:HA	2:B:416:LEU:HD12	1.95	0.49
11:W:226:PRO:O	11:W:231:LYS:NZ	2.45	0.49
16:a:1013:CLA:H3A	16:a:1013:CLA:CGA	2.42	0.49
2:b:413:LYS:HA	2:b:416:LEU:HD12	1.95	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
7:i:36:SER:HA	9:l:105:GLN:HE22	1.77	0.49
11:o:239:GLU:OE1	11:o:321:HIS:ND1	2.45	0.49
11:o:243:SER:O	11:o:318:HIS:ND1	2.44	0.49
16:H:1013:CLA:H3A	16:H:1013:CLA:CGA	2.42	0.49
16:H:1123:CLA:HBA1	16:H:1127:CLA:H203	1.94	0.49
2:G:454:GLU:OE1	6:Q:52:HIS:ND1	2.44	0.49
2:B:57:ILE:HD13	19:B:4005:BCR:H371	1.94	0.49
19:L:4022:BCR:H322	16:H:1130:CLA:H101	1.94	0.49
16:W:504:CLA:H13	16:W:507:CLA:HBB2	1.95	0.49
11:g:155:LEU:HD22	16:g:506:CLA:H143	1.94	0.49
16:a:1138:CLA:H91	16:f:1301:CLA:HAC2	1.93	0.49
16:b:1211:CLA:H142	16:b:1225:CLA:H193	1.95	0.49
1:H:340:LEU:HD21	16:H:1122:CLA:HBC3	1.93	0.49
11:t:101:ALA:HB1	16:v:515:CLA:H93	1.94	0.49
11:s:233:VAL:O	11:w:113:ARG:NH1	2.45	0.49
1:A:42:PRO:HG2	6:F:97:GLU:HB3	1.93	0.49
1:A:340:LEU:HD21	16:A:1122:CLA:HBC3	1.93	0.49
11:o:249:ILE:HG12	16:o:506:CLA:HAC1	1.94	0.49
11:q:159:LYS:HA	11:q:163:TRP:HB2	1.94	0.49
11:r:305:ASN:HB3	19:r:601:BCR:H24C	1.94	0.49
2:G:173:SER:OG	16:G:1209:CLA:O1D	2.30	0.49
11:u:260:CYS:HB3	11:u:304:ALA:HB2	1.94	0.49
16:s:510:CLA:HED2	16:s:510:CLA:H2A	1.94	0.49
16:f:1301:CLA:HMB1	8:j:26:LEU:HD11	1.95	0.49
1:A:645:TRP:HB3	15:A:1011:CL0:H48	1.94	0.49
16:A:1123:CLA:HBA1	16:A:1127:CLA:H203	1.94	0.49
11:W:249:ILE:HD12	16:W:509:CLA:HED2	1.95	0.49
11:n:315:LEU:HD21	16:n:515:CLA:HAB	1.95	0.49
16:q:515:CLA:H43	19:q:603:BCR:H311	1.94	0.49
11:h:68:PRO:HB3	11:h:271:PHE:HB3	1.94	0.49
2:G:178:HIS:ND1	16:G:1221:CLA:O1D	2.44	0.49
16:u:505:CLA:HBB2	16:u:510:CLA:H62	1.93	0.49
1:A:14:VAL:HG11	16:A:1108:CLA:HAA2	1.95	0.49
1:A:381:ILE:HD12	1:A:519:LYS:HB2	1.94	0.49
11:W:57:GLN:HB2	11:W:62:GLN:HE21	1.77	0.49
11:Z:305:ASN:HB3	19:Z:601:BCR:H23C	1.95	0.49
11:y:26:LEU:HD22	16:y:512:CLA:HBA2	1.94	0.49
1:a:537:ILE:HD12	15:a:1011:CL0:H63	1.95	0.49
1:H:194:GLU:HB3	1:H:311:TYR:HB3	1.95	0.49
1:A:537:ILE:HD12	15:A:1011:CL0:H63	1.95	0.49
16:Y:508:CLA:HBA2	16:Y:508:CLA:H3A	1.58	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
11:Z:298:THR:HG23	11:Z:301:ALA:H	1.77	0.49
1:a:194:GLU:HB3	1:a:311:TYR:HB3	1.95	0.49
1:a:381:ILE:HD12	1:a:519:LYS:HB2	1.94	0.49
11:r:249:ILE:HB	16:r:510:CLA:HBA2	1.93	0.49
1:H:702:TRP:HE1	6:Q:140:THR:HG22	1.77	0.49
16:H:1139:CLA:HED1	6:Q:86:TYR:HE2	1.78	0.49
9:U:5:ASN:OD1	9:U:6:GLN:NE2	2.45	0.49
11:u:237:SER:OG	11:u:238:GLY:N	2.46	0.49
16:u:510:CLA:HED2	16:u:510:CLA:H2A	1.95	0.49
1:A:209:SER:OG	1:A:297:HIS:O	2.31	0.48
16:A:1101:CLA:HBB2	16:A:1106:CLA:H171	1.95	0.48
16:y:509:CLA:HED1	16:y:510:CLA:HBA2	1.95	0.48
1:a:209:SER:OG	1:a:297:HIS:O	2.31	0.48
16:a:1123:CLA:HBA1	16:a:1127:CLA:H203	1.94	0.48
11:q:316:GLN:HA	11:q:319:LEU:HB2	1.95	0.48
11:r:17:ASN:HB2	16:r:511:CLA:HBA1	1.95	0.48
11:t:260:CYS:HB2	11:t:304:ALA:HB2	1.95	0.48
11:u:138:LEU:HD23	11:u:141:ILE:HD12	1.94	0.48
2:B:350:MET:HE2	2:B:350:MET:HB3	1.77	0.48
16:W:509:CLA:HBD	16:W:509:CLA:H71	1.95	0.48
16:X:503:CLA:HED2	16:X:503:CLA:H2A	1.95	0.48
1:a:462:ARG:NH2	1:a:641:THR:OG1	2.46	0.48
2:G:57:ILE:HD13	19:G:4005:BCR:H371	1.94	0.48
11:u:210:VAL:HG21	16:u:505:CLA:HAB	1.95	0.48
11:w:239:GLU:HB2	11:w:325:ALA:HB2	1.96	0.48
1:A:86:TRP:HA	16:A:1105:CLA:HBB2	1.94	0.48
2:B:203:ARG:NH2	2:B:251:GLY:O	2.47	0.48
7:I:36:SER:HA	9:L:105:GLN:HE22	1.78	0.48
11:X:249:ILE:HG12	16:X:506:CLA:HAC1	1.94	0.48
11:Y:315:LEU:HD21	16:Y:515:CLA:HAB	1.95	0.48
1:a:14:VAL:HG11	16:a:1108:CLA:HAA2	1.95	0.48
2:b:173:SER:OG	16:b:1209:CLA:O1D	2.30	0.48
2:b:397:ASP:OD1	2:b:397:ASP:N	2.43	0.48
11:o:73:LEU:O	11:o:159:LYS:NZ	2.42	0.48
1:H:14:VAL:HG11	16:H:1108:CLA:HAA2	1.95	0.48
16:H:1101:CLA:HBB2	16:H:1106:CLA:H171	1.95	0.48
2:G:203:ARG:NH2	2:G:251:GLY:O	2.47	0.48
11:x:260:CYS:O	11:x:300:ARG:NH1	2.45	0.48
11:v:32:VAL:HB	16:v:503:CLA:HBC3	1.95	0.48
16:A:1121:CLA:H3A	16:A:1121:CLA:HBA2	1.53	0.48
2:b:57:ILE:HD13	19:b:4005:BCR:H371	1.94	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:b:393:VAL:HG23	2:b:538:ALA:HB1	1.94	0.48
16:b:1202:CLA:H121	16:b:1210:CLA:HBD	1.96	0.48
4:d:43:PRO:HD3	4:d:68:LEU:HD13	1.96	0.48
9:l:44:LEU:HB2	9:l:49:ARG:HH21	1.79	0.48
11:q:233:VAL:O	11:r:113:ARG:NH1	2.46	0.48
11:r:192:THR:HA	19:v:602:BCR:H333	1.96	0.48
1:H:115:GLN:NE2	16:H:1107:CLA:OBD	2.43	0.48
1:H:195:SER:O	1:H:199:HIS:ND1	2.37	0.48
1:H:381:ILE:HD12	1:H:519:LYS:HB2	1.94	0.48
2:G:413:LYS:HA	2:G:416:LEU:HD12	1.95	0.48
16:G:1211:CLA:HMA3	19:G:4006:BCR:H292	1.96	0.48
11:W:246:LEU:HD22	11:W:314:PHE:HD1	1.79	0.48
11:Y:280:LEU:HB3	11:Z:48:PHE:HA	1.96	0.48
11:y:263:ASN:O	11:y:300:ARG:NH1	2.40	0.48
1:H:537:ILE:HD12	15:H:1011:CL0:H63	1.95	0.48
19:T:1501:BCR:H403	19:T:1501:BCR:H371	1.96	0.48
14:B:848:LMG:H351	16:B:1203:CLA:H72	1.96	0.48
16:B:1211:CLA:H142	16:B:1225:CLA:H193	1.95	0.48
16:Z:513:CLA:HBA2	16:Z:513:CLA:H3A	1.54	0.48
11:y:219:ILE:O	11:y:223:LEU:HB2	2.14	0.48
16:n:515:CLA:HBC2	19:n:603:BCR:H341	1.96	0.48
11:o:315:LEU:HD11	16:o:515:CLA:HAB	1.95	0.48
11:q:85:ASP:OD2	11:q:85:ASP:N	2.44	0.48
1:H:18:ASN:OD1	1:H:183:LYS:NZ	2.42	0.48
1:H:352:LEU:HD11	16:H:1128:CLA:HBB1	1.96	0.48
1:H:687:PHE:CG	2:G:661:LEU:HD22	2.49	0.48
11:s:207:HIS:HA	11:s:210:VAL:HG12	1.94	0.48
11:v:145:HIS:HE1	16:v:509:CLA:H111	1.78	0.48
4:D:43:PRO:HD3	4:D:68:LEU:HD13	1.96	0.48
16:Z:513:CLA:H3A	16:Z:513:CLA:H12	1.94	0.48
1:a:76:HIS:ND1	16:a:1111:CLA:OBD	2.46	0.48
1:a:395:TRP:CD1	16:a:1126:CLA:HAB	2.49	0.48
16:h:509:CLA:H101	16:h:509:CLA:HBD	1.95	0.48
1:H:86:TRP:HA	16:H:1105:CLA:HBB2	1.94	0.48
2:G:267:SER:OG	2:G:268:LEU:N	2.47	0.48
16:G:1202:CLA:H121	16:G:1210:CLA:HBD	1.96	0.48
11:u:324:ARG:NH1	16:u:511:CLA:O1D	2.47	0.48
3:c:58:CYS:HB3	3:c:63:LEU:HD22	1.96	0.48
1:A:194:GLU:HB3	1:A:311:TYR:HB3	1.95	0.48
1:A:720:ILE:HD11	2:B:563:GLY:HA3	1.95	0.48
2:B:267:SER:OG	2:B:268:LEU:N	2.47	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
16:W:515:CLA:H11	11:X:105:ALA:HB1	1.96	0.48
11:Y:180:PRO:HB3	11:Y:204:VAL:HG13	1.96	0.48
16:Y:511:CLA:HBA2	16:Y:511:CLA:H3A	1.59	0.48
1:a:70:ARG:NH2	1:a:185:PRO:O	2.46	0.48
16:b:1211:CLA:HMA3	19:b:4006:BCR:H292	1.96	0.48
2:G:393:VAL:HG23	2:G:538:ALA:HB1	1.94	0.48
16:G:1211:CLA:H142	16:G:1225:CLA:H193	1.95	0.48
16:w:507:CLA:H92	19:w:601:BCR:H14C	1.95	0.48
11:x:11:TYR:O	11:x:19:ARG:NH2	2.45	0.48
11:x:298:THR:HG23	11:x:301:ALA:H	1.78	0.48
5:e:16:SER:OG	5:e:17:TYR:N	2.47	0.48
9:L:44:LEU:HB2	9:L:49:ARG:HH21	1.79	0.48
16:Z:505:CLA:HMB3	19:Z:603:BCR:H403	1.95	0.48
11:y:62:GLN:HG3	11:y:64:LEU:HD13	1.96	0.48
11:y:276:LEU:HD23	11:y:300:ARG:HD2	1.96	0.48
1:a:352:LEU:HD11	16:a:1128:CLA:HBB1	1.96	0.48
16:a:1116:CLA:HBA2	16:a:1116:CLA:H3A	1.48	0.48
2:G:70:TRP:NE1	7:R:6:ALA:O	2.39	0.48
2:G:203:ARG:HH22	2:G:253:ALA:H	1.62	0.48
16:G:1229:CLA:HAB	16:G:1230:CLA:HMB2	1.96	0.48
11:t:51:SER:OG	11:t:52:ARG:NH2	2.47	0.48
16:u:506:CLA:HBB2	16:u:507:CLA:H151	1.96	0.48
11:v:144:HIS:CD2	16:v:502:CLA:HAB	2.49	0.48
2:B:464:THR:O	2:B:464:THR:OG1	2.28	0.48
16:X:513:CLA:HBA2	16:X:513:CLA:H3A	1.45	0.48
16:Y:516:CLA:HBA2	16:Y:516:CLA:H3A	1.62	0.48
11:Z:267:TYR:O	11:Z:300:ARG:NH2	2.41	0.48
16:Z:508:CLA:HBA2	16:Z:508:CLA:H3A	1.61	0.48
1:a:720:ILE:HD11	2:b:563:GLY:HA3	1.94	0.48
2:b:203:ARG:NH2	2:b:251:GLY:O	2.47	0.48
14:b:848:LMG:H351	16:b:1203:CLA:H72	1.96	0.48
11:n:53:PHE:HZ	11:n:83:ILE:HG21	1.78	0.48
11:o:102:VAL:HG22	16:o:503:CLA:HBB2	1.96	0.48
11:o:328:PHE:HB2	11:p:112:LEU:HD11	1.95	0.48
16:p:510:CLA:H112	19:p:603:BCR:H362	1.95	0.48
1:H:209:SER:OG	1:H:297:HIS:O	2.31	0.48
1:H:462:ARG:NH2	1:H:641:THR:OG1	2.46	0.48
16:H:1140:CLA:H61	16:H:1140:CLA:H102	1.56	0.48
11:s:227:LEU:HD12	11:s:229:TRP:HE1	1.79	0.48
1:A:216:GLN:OE1	1:A:297:HIS:ND1	2.47	0.47
1:A:277:PHE:CE1	16:A:1116:CLA:HBB1	2.49	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:441:ASN:HB2	16:B:1023:CLA:HED1	1.95	0.47
16:A:1130:CLA:H52	16:L:1502:CLA:H43	1.95	0.47
2:B:18:THR:HG21	16:B:1238:CLA:HBB1	1.96	0.47
2:B:203:ARG:HH22	2:B:253:ALA:H	1.62	0.47
16:B:1211:CLA:HMA3	19:B:4006:BCR:H292	1.96	0.47
16:W:505:CLA:HBC1	16:W:506:CLA:H71	1.96	0.47
11:Z:20:PHE:HA	11:Z:23:GLN:HG3	1.97	0.47
11:y:242:LEU:O	11:y:246:LEU:HB2	2.14	0.47
16:p:508:CLA:HBA2	16:p:508:CLA:H3A	1.57	0.47
11:q:146:LEU:HD22	16:q:510:CLA:HED1	1.95	0.47
11:h:303:LEU:HD21	16:h:506:CLA:HED3	1.95	0.47
1:H:70:ARG:NH2	1:H:185:PRO:O	2.46	0.47
16:H:1103:CLA:H91	16:H:1103:CLA:H111	1.71	0.47
16:G:1213:CLA:CHD	16:G:1214:CLA:HBB2	2.44	0.47
16:t:507:CLA:H92	19:t:601:BCR:H14C	1.95	0.47
11:s:118:LEU:HA	11:s:121:LEU:HD23	1.96	0.47
5:P:16:SER:OG	5:P:17:TYR:N	2.47	0.47
1:a:126:LEU:HD23	1:a:137:ILE:HD11	1.97	0.47
1:a:216:GLN:OE1	1:a:297:HIS:ND1	2.47	0.47
11:o:138:LEU:HD23	11:o:141:ILE:HD12	1.96	0.47
11:q:228:GLY:HA2	11:q:231:LYS:HD3	1.95	0.47
1:H:395:TRP:CD1	16:H:1126:CLA:HAB	2.49	0.47
16:u:503:CLA:HED2	16:u:503:CLA:H2A	1.96	0.47
11:x:110:HIS:HA	11:x:114:ALA:HB3	1.96	0.47
1:A:462:ARG:NH2	1:A:641:THR:OG1	2.47	0.47
16:B:1225:CLA:H3A	16:B:1225:CLA:HBA2	1.43	0.47
16:W:515:CLA:HBC2	19:W:603:BCR:H341	1.95	0.47
2:b:18:THR:HG21	16:b:1238:CLA:HBB1	1.96	0.47
2:b:203:ARG:HH22	2:b:253:ALA:H	1.62	0.47
2:b:464:THR:O	2:b:464:THR:OG1	2.28	0.47
16:h:510:CLA:H62	16:h:516:CLA:HBB2	1.96	0.47
1:H:216:GLN:OE1	1:H:297:HIS:ND1	2.47	0.47
16:H:1131:CLA:HMA3	19:R:4018:BCR:H272	1.96	0.47
2:G:101:VAL:HG13	2:G:112:PRO:HG3	1.96	0.47
16:G:1203:CLA:H3A	16:G:1203:CLA:HBA1	1.62	0.47
19:R:4020:BCR:HC42	9:U:87:ALA:HB1	1.95	0.47
11:s:34:GLN:HG2	16:s:509:CLA:HHB	1.95	0.47
2:B:101:VAL:HG13	2:B:112:PRO:HG3	1.96	0.47
3:C:58:CYS:HB3	3:C:63:LEU:HD22	1.96	0.47
1:a:441:ASN:HB2	16:b:1023:CLA:HED1	1.96	0.47
2:b:56:ILE:HD11	19:m:4021:BCR:HC7	1.97	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:b:267:SER:OG	2:b:268:LEU:N	2.47	0.47
4:d:118:LYS:NZ	4:d:139:TYR:O	2.38	0.47
16:n:515:CLA:O1D	11:o:113:ARG:NH2	2.45	0.47
11:o:28:ILE:HG23	16:o:503:CLA:HBC2	1.96	0.47
16:H:1126:CLA:H193	19:S:4012:BCR:H10C	1.95	0.47
2:G:415:ALA:O	2:G:419:HIS:ND1	2.36	0.47
4:O:43:PRO:HD3	4:O:68:LEU:HD13	1.96	0.47
9:U:44:LEU:HB2	9:U:49:ARG:HH21	1.79	0.47
16:B:1229:CLA:HAB	16:B:1230:CLA:HMB2	1.96	0.47
11:W:246:LEU:HA	11:W:249:ILE:HG22	1.96	0.47
11:g:28:ILE:HD11	16:g:503:CLA:HAC1	1.97	0.47
1:a:472:SER:OG	1:a:473:ASP:N	2.47	0.47
14:a:852:LMG:H292	7:i:29:LEU:HB3	1.96	0.47
16:a:1121:CLA:HBA2	16:a:1121:CLA:H3A	1.53	0.47
16:a:1136:CLA:H191	16:l:1502:CLA:H72	1.96	0.47
11:n:286:PHE:N	11:n:305:ASN:OD1	2.44	0.47
11:q:315:LEU:HD21	16:q:515:CLA:HAB	1.97	0.47
16:H:1101:CLA:H8	16:H:1101:CLA:H52	1.74	0.47
2:G:18:THR:HG21	16:G:1238:CLA:HBB1	1.96	0.47
11:t:268:PRO:HG2	11:t:271:PHE:HB2	1.97	0.47
11:s:214:LEU:O	11:s:218:GLY:N	2.48	0.47
11:x:234:LEU:HD21	19:x:603:BCR:HC41	1.97	0.47
11:X:128:PHE:HD1	16:X:502:CLA:HMC2	1.80	0.47
11:y:48:PHE:HA	11:x:280:LEU:HB3	1.96	0.47
1:a:687:PHE:CG	2:b:661:LEU:HD22	2.49	0.47
2:b:101:VAL:HG13	2:b:112:PRO:HG3	1.96	0.47
19:k:1501:BCR:H403	19:k:1501:BCR:H371	1.96	0.47
11:p:175:ARG:HE	11:p:177:VAL:HG22	1.80	0.47
16:p:509:CLA:HED2	16:p:510:CLA:HBA2	1.97	0.47
11:q:146:LEU:HD11	16:q:516:CLA:HAB	1.95	0.47
11:r:110:HIS:HA	11:r:114:ALA:HB3	1.95	0.47
1:H:396:ILE:HG23	16:H:1104:CLA:H141	1.97	0.47
1:H:472:SER:OG	1:H:473:ASP:N	2.47	0.47
16:H:1136:CLA:H191	16:U:1502:CLA:H72	1.96	0.47
11:t:42:ALA:O	11:t:46:THR:OG1	2.32	0.47
11:u:272:TYR:HB3	11:u:300:ARG:HB2	1.96	0.47
11:s:280:LEU:HA	11:s:284:PRO:HA	1.96	0.47
3:N:58:CYS:HB3	3:N:63:LEU:HD22	1.96	0.47
1:A:472:SER:OG	1:A:473:ASP:N	2.47	0.47
16:B:1213:CLA:CHD	16:B:1214:CLA:HBB2	2.44	0.47
16:B:1232:CLA:H3A	16:B:1232:CLA:HBA1	1.43	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
16:Y:507:CLA:H42	16:Y:511:CLA:H52	1.96	0.47
11:Z:81:GLY:N	11:Z:167:TYR:OH	2.46	0.47
16:y:504:CLA:H143	16:y:506:CLA:H11	1.97	0.47
1:a:18:ASN:OD1	1:a:183:LYS:NZ	2.43	0.47
1:a:115:GLN:NE2	16:a:1107:CLA:OBD	2.43	0.47
16:a:1101:CLA:HBB2	16:a:1106:CLA:H171	1.95	0.47
16:a:1134:CLA:H3A	16:a:1134:CLA:HBA2	1.50	0.47
2:b:15:ASP:OD1	2:b:15:ASP:N	2.48	0.47
16:n:511:CLA:H3A	16:n:511:CLA:HBA2	1.52	0.47
16:o:513:CLA:H3A	16:o:513:CLA:HBA2	1.43	0.47
11:r:59:MET:HB3	11:r:271:PHE:HA	1.97	0.47
1:H:33:HIS:HA	1:H:39:ALA:HB2	1.96	0.47
1:H:589:ASP:OD2	1:H:724:ARG:NH1	2.48	0.47
1:H:660:SER:OG	1:H:665:LEU:O	2.32	0.47
16:G:1228:CLA:HBC3	19:Q:4016:BCR:H362	1.96	0.47
16:G:1235:CLA:HBC2	19:S:4015:BCR:H312	1.96	0.47
11:t:146:LEU:HD22	16:t:510:CLA:HED1	1.97	0.47
16:t:515:CLA:H102	16:t:515:CLA:H41	1.97	0.47
16:s:511:CLA:HBA2	16:s:511:CLA:H3A	1.59	0.47
11:x:109:PHE:HE1	11:x:113:ARG:HD2	1.80	0.47
11:x:239:GLU:OE2	11:x:324:ARG:NH1	2.48	0.47
16:Q:1301:CLA:HBC3	8:S:18:LEU:HD23	1.97	0.47
1:A:395:TRP:CD1	16:A:1126:CLA:HAB	2.49	0.47
1:A:702:TRP:HE1	6:F:140:THR:HG22	1.80	0.47
16:B:1207:CLA:H62	16:B:1207:CLA:H41	1.63	0.47
5:E:16:SER:OG	5:E:17:TYR:N	2.47	0.47
11:X:315:LEU:HD21	16:X:515:CLA:HAB	1.95	0.47
11:y:249:ILE:HG13	16:y:506:CLA:HAC1	1.97	0.47
1:a:33:HIS:HA	1:a:39:ALA:HB2	1.96	0.47
1:a:370:MET:HE2	1:a:370:MET:HB3	1.78	0.47
11:n:146:LEU:HD11	16:n:516:CLA:HAB	1.96	0.47
11:o:305:ASN:HD22	19:o:601:BCR:H272	1.78	0.47
11:o:329:ASP:OD1	11:o:329:ASP:N	2.48	0.47
1:H:277:PHE:CE1	16:H:1116:CLA:HBB1	2.49	0.47
11:w:237:SER:OG	11:w:238:GLY:N	2.48	0.47
11:x:147:LEU:HD11	11:x:222:ILE:HD11	1.97	0.47
16:x:513:CLA:HBB2	16:x:515:CLA:H101	1.97	0.47
16:x:516:CLA:H3A	16:x:516:CLA:HBA2	1.65	0.47
1:A:126:LEU:HD23	1:A:137:ILE:HD11	1.97	0.47
1:A:352:LEU:HD11	16:A:1128:CLA:HBB1	1.96	0.47
16:B:1202:CLA:H121	16:B:1210:CLA:HBD	1.96	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
6:F:70:ILE:HA	6:F:73:LEU:HB2	1.97	0.47
16:W:511:CLA:H42	16:W:512:CLA:HAC1	1.96	0.47
11:Y:249:ILE:HG13	16:Y:506:CLA:HAC1	1.97	0.47
16:a:1131:CLA:H62	16:a:1131:CLA:H102	1.77	0.47
2:b:346:VAL:HG21	16:b:1225:CLA:HHD	1.97	0.47
16:b:1225:CLA:HBA2	16:b:1225:CLA:H3A	1.43	0.47
11:n:64:LEU:HD23	11:n:67:LEU:HD13	1.97	0.47
11:n:110:HIS:HA	11:n:114:ALA:HB3	1.96	0.47
11:t:26:LEU:HB3	16:t:512:CLA:HMA1	1.96	0.47
11:u:146:LEU:HD22	11:u:214:LEU:HD22	1.95	0.47
11:w:227:LEU:HD12	11:w:229:TRP:HE1	1.79	0.47
11:x:131:THR:HG23	11:x:133:GLU:H	1.80	0.47
16:x:513:CLA:H3A	16:x:513:CLA:HBA1	1.57	0.47
3:c:73:THR:OG1	3:c:74:THR:N	2.48	0.47
1:A:396:ILE:HG23	16:A:1104:CLA:H141	1.97	0.47
16:A:1126:CLA:H3A	16:A:1126:CLA:HBA2	1.63	0.47
16:B:1216:CLA:H3A	16:B:1216:CLA:HBA2	1.57	0.47
16:W:513:CLA:H3A	16:W:513:CLA:HBA2	1.61	0.47
11:g:246:LEU:HA	11:g:249:ILE:HG22	1.95	0.47
1:a:702:TRP:HE1	6:f:140:THR:HG22	1.79	0.47
16:a:1138:CLA:HAA2	16:b:1228:CLA:HMB1	1.97	0.47
16:a:1237:CLA:H192	9:l:61:LEU:HD11	1.97	0.47
16:b:1215:CLA:H62	16:b:1215:CLA:H41	1.66	0.47
11:o:75:TRP:HB3	11:o:88:PRO:HB2	1.97	0.47
11:o:339:SER:O	11:o:339:SER:OG	2.33	0.47
11:r:237:SER:OG	11:r:238:GLY:N	2.47	0.47
16:r:508:CLA:HAC2	16:r:511:CLA:HAC2	1.97	0.47
2:G:346:VAL:HG21	16:G:1225:CLA:HHD	1.97	0.47
14:G:848:LMG:H351	16:G:1203:CLA:H72	1.96	0.47
16:G:1239:CLA:HBA1	19:G:4017:BCR:H352	1.97	0.47
4:O:118:LYS:NZ	4:O:139:TYR:O	2.38	0.47
11:t:315:LEU:HD21	16:t:515:CLA:HAB	1.97	0.47
16:s:510:CLA:H61	16:s:516:CLA:HBB2	1.96	0.47
2:B:256:THR:OG1	2:B:271:THR:OG1	2.30	0.46
16:F:1301:CLA:HBC3	8:J:18:LEU:HD23	1.97	0.46
11:W:20:PHE:HE2	16:W:509:CLA:HAB	1.81	0.46
11:Y:68:PRO:HB3	11:Y:271:PHE:HB3	1.96	0.46
1:a:202:ALA:HB2	1:a:308:GLY:HA3	1.98	0.46
1:a:396:ILE:HG23	16:a:1104:CLA:H141	1.97	0.46
11:n:144:HIS:CD2	16:n:502:CLA:HAB	2.50	0.46
11:n:204:VAL:HA	11:n:207:HIS:HB2	1.97	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
11:o:261:ALA:HA	11:o:276:LEU:HD12	1.97	0.46
11:q:138:LEU:HA	11:q:141:ILE:HD12	1.97	0.46
16:H:1140:CLA:H3A	16:H:1140:CLA:HBA2	1.63	0.46
16:G:1238:CLA:H3A	16:G:1238:CLA:HBA2	1.52	0.46
16:t:509:CLA:H62	16:t:509:CLA:H2	1.72	0.46
11:s:254:PHE:HE2	11:s:315:LEU:HD22	1.79	0.46
11:w:242:LEU:HD22	16:w:509:CLA:HBC3	1.97	0.46
11:w:305:ASN:HD22	19:w:601:BCR:H402	1.80	0.46
6:f:70:ILE:HA	6:f:73:LEU:HB2	1.97	0.46
19:K:1501:BCR:H371	19:K:1501:BCR:H403	1.96	0.46
3:C:73:THR:OG1	3:C:74:THR:N	2.48	0.46
11:X:324:ARG:NH1	16:X:511:CLA:O1D	2.48	0.46
11:Y:34:GLN:HG2	16:Y:509:CLA:HHB	1.97	0.46
16:Z:509:CLA:HBD	16:Z:509:CLA:H71	1.96	0.46
11:y:59:MET:N	11:y:59:MET:SD	2.89	0.46
16:a:1131:CLA:H2	16:a:1131:CLA:H61	1.77	0.46
2:b:350:MET:HE2	2:b:350:MET:HB3	1.78	0.46
16:l:1501:CLA:HAA2	19:U:4022:BCR:H363	1.96	0.46
1:H:370:MET:HE2	1:H:370:MET:HB3	1.78	0.46
1:H:565:LYS:NZ	2:G:670:GLU:OE2	2.43	0.46
2:G:464:THR:O	2:G:464:THR:OG1	2.28	0.46
1:A:33:HIS:HA	1:A:39:ALA:HB2	1.96	0.46
16:A:1113:CLA:H3A	16:A:1113:CLA:HBA2	1.37	0.46
2:B:346:VAL:HG21	16:B:1225:CLA:HHD	1.97	0.46
16:L:1503:CLA:H3A	16:L:1503:CLA:HBA1	1.62	0.46
16:Y:509:CLA:HBD	16:Y:509:CLA:H71	1.97	0.46
1:a:373:MET:HE3	1:a:373:MET:HB2	1.88	0.46
11:p:249:ILE:HG13	16:p:506:CLA:HAC1	1.95	0.46
11:r:58:ALA:O	11:r:62:GLN:NE2	2.46	0.46
16:G:1239:CLA:H62	16:G:1239:CLA:H41	1.69	0.46
9:U:62:ILE:HG13	9:U:138:ALA:HB3	1.97	0.46
16:A:1103:CLA:H172	16:A:1111:CLA:H51	1.97	0.46
2:B:15:ASP:OD1	2:B:15:ASP:N	2.48	0.46
2:B:371:THR:HG23	2:B:588:THR:HG21	1.97	0.46
1:a:684:MET:HE2	1:a:684:MET:HB3	1.82	0.46
16:b:1213:CLA:CHD	16:b:1214:CLA:HBB2	2.44	0.46
11:q:305:ASN:HD22	19:q:601:BCR:H402	1.80	0.46
16:G:1207:CLA:HAB	7:R:19:GLY:HA3	1.96	0.46
11:x:237:SER:OG	11:x:238:GLY:N	2.49	0.46
15:A:1011:CL0:H72	15:A:1011:CL0:H10	1.51	0.46
16:B:1236:CLA:H62	16:B:1236:CLA:H41	1.62	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
9:L:36:ASN:HA	9:L:41:ARG:HB3	1.97	0.46
16:Z:510:CLA:HED2	16:Z:510:CLA:H2A	1.96	0.46
11:y:59:MET:HB2	11:y:271:PHE:HA	1.98	0.46
2:b:371:THR:HG23	2:b:588:THR:HG21	1.97	0.46
16:b:1021:CLA:H101	16:b:1021:CLA:H62	1.65	0.46
16:b:1205:CLA:H122	16:b:1224:CLA:H13	1.98	0.46
16:b:1235:CLA:H152	19:f:4016:BCR:H23C	1.98	0.46
16:b:1238:CLA:H151	9:l:91:VAL:HG11	1.97	0.46
9:l:36:ASN:HA	9:l:41:ARG:HB3	1.97	0.46
16:H:1237:CLA:H192	9:U:61:LEU:HD11	1.97	0.46
9:U:36:ASN:HA	9:U:41:ARG:HB3	1.97	0.46
16:U:1503:CLA:H93	16:U:1503:CLA:H61	1.81	0.46
11:u:102:VAL:HG22	16:u:503:CLA:HBB2	1.97	0.46
11:s:149:LEU:HD13	16:s:510:CLA:H2	1.98	0.46
11:s:303:LEU:O	11:s:307:HIS:ND1	2.49	0.46
1:A:687:PHE:CG	2:B:661:LEU:HD22	2.50	0.46
1:A:707:LEU:HD13	19:F:4016:BCR:H321	1.98	0.46
9:L:62:ILE:HG13	9:L:138:ALA:HB3	1.97	0.46
9:L:70:PRO:HG2	9:L:71:LEU:HD12	1.98	0.46
16:X:504:CLA:HAB	16:X:506:CLA:H101	1.98	0.46
11:Y:159:LYS:HA	11:Y:163:TRP:HB2	1.96	0.46
11:Z:2:GLN:HG3	11:Z:325:ALA:HA	1.96	0.46
16:g:508:CLA:HAC2	16:g:511:CLA:HAC2	1.97	0.46
1:a:277:PHE:CE1	16:a:1116:CLA:HBB1	2.49	0.46
14:a:4101:LMG:H122	16:l:1503:CLA:HMB2	1.97	0.46
16:b:1210:CLA:HBA1	16:b:1210:CLA:H3A	1.36	0.46
16:l:1503:CLA:H41	16:l:1503:CLA:H61	1.74	0.46
11:p:260:CYS:O	11:p:300:ARG:NH1	2.44	0.46
11:h:214:LEU:HD11	16:h:510:CLA:H61	1.97	0.46
16:H:1106:CLA:H3A	16:H:1106:CLA:HBA2	1.44	0.46
2:G:427:LEU:HD11	16:G:1235:CLA:HMB2	1.96	0.46
11:u:315:LEU:HD11	16:u:515:CLA:HAB	1.97	0.46
11:w:305:ASN:HB3	19:w:601:BCR:H23C	1.97	0.46
6:Q:102:VAL:HG12	8:S:10:THR:HG22	1.98	0.46
16:B:1023:CLA:H192	19:B:4017:BCR:H353	1.98	0.46
11:W:73:LEU:HD12	11:W:159:LYS:HG2	1.97	0.46
16:y:516:CLA:H3A	16:y:516:CLA:HBA2	1.51	0.46
16:b:1239:CLA:HBA1	19:b:4017:BCR:H352	1.98	0.46
11:n:246:LEU:HD21	16:n:511:CLA:HAB	1.98	0.46
11:r:144:HIS:CD2	16:r:502:CLA:HAB	2.49	0.46
1:H:373:MET:HE3	1:H:373:MET:HB2	1.88	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:G:667:TYR:OH	16:G:1023:CLA:OBD	2.34	0.46
16:G:1205:CLA:H122	16:G:1224:CLA:H13	1.98	0.46
16:U:1503:CLA:HBA1	16:U:1503:CLA:H3A	1.63	0.46
11:s:32:VAL:HG23	16:s:502:CLA:HED1	1.98	0.46
11:s:242:LEU:HD11	16:s:511:CLA:HBB1	1.97	0.46
1:A:70:ARG:NH2	1:A:185:PRO:O	2.46	0.46
1:A:468:GLN:NE2	9:U:157:ASN:OXT	2.46	0.46
19:A:4007:BCR:H20C	19:A:4007:BCR:H361	1.82	0.46
16:B:1217:CLA:H3A	16:B:1217:CLA:HBA2	1.63	0.46
1:a:59:ASP:OD2	1:a:349:HIS:NE2	2.49	0.46
16:b:1021:CLA:H161	16:b:1021:CLA:H122	1.75	0.46
16:b:1229:CLA:HAB	16:b:1230:CLA:HMB2	1.96	0.46
1:H:707:LEU:HD13	19:Q:4016:BCR:H321	1.98	0.46
2:G:371:THR:HG23	2:G:588:THR:HG21	1.97	0.46
11:w:230:ALA:HB2	16:w:516:CLA:HED1	1.96	0.46
11:x:50:ILE:HD12	11:x:86:THR:HG23	1.98	0.46
11:v:19:ARG:NH1	16:v:512:CLA:OBD	2.48	0.46
3:N:73:THR:OG1	3:N:74:THR:N	2.48	0.46
16:X:516:CLA:H3A	16:X:516:CLA:HBA2	1.50	0.46
11:g:256:ALA:HB1	16:g:506:CLA:HED3	1.98	0.46
11:y:37:LEU:HD21	19:y:604:BCR:H373	1.97	0.46
11:y:197:ILE:HD11	11:y:259:PHE:HZ	1.81	0.46
16:a:1103:CLA:H121	19:a:4003:BCR:H372	1.98	0.46
16:a:1124:CLA:HBA2	16:a:1124:CLA:H3A	1.80	0.46
11:n:18:ALA:HB2	16:n:511:CLA:HAA2	1.98	0.46
11:n:154:LEU:O	11:n:158:GLY:N	2.48	0.46
11:p:57:GLN:OE1	11:p:62:GLN:NE2	2.43	0.46
1:H:362:LEU:HD23	16:H:1127:CLA:HBC1	1.98	0.46
16:H:1121:CLA:H3A	16:H:1121:CLA:HBA2	1.53	0.46
19:H:4001:BCR:H23C	12:T:68:PHE:HB2	1.97	0.46
2:G:92:TRP:HB3	7:R:15:ILE:HG13	1.97	0.46
16:t:504:CLA:H13	16:t:507:CLA:HBB2	1.98	0.46
16:w:504:CLA:HBB1	16:w:506:CLA:H143	1.98	0.46
11:W:32:VAL:HG12	11:W:107:ALA:HB2	1.97	0.46
11:X:288:ASP:OD1	11:X:298:THR:OG1	2.34	0.46
1:a:694:GLN:HG3	2:b:543:LEU:HD11	1.97	0.46
9:l:62:ILE:HG13	9:l:138:ALA:HB3	1.97	0.46
11:n:101:ALA:HB1	16:h:515:CLA:H93	1.98	0.46
16:o:503:CLA:HED2	16:o:503:CLA:H2A	1.97	0.46
16:o:516:CLA:HBA2	16:o:516:CLA:H3A	1.48	0.46
11:q:298:THR:HG23	11:q:301:ALA:H	1.80	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
16:h:508:CLA:H3A	16:h:508:CLA:HBA2	1.50	0.46
1:H:59:ASP:OD2	1:H:349:HIS:NE2	2.49	0.46
1:H:126:LEU:HD23	1:H:137:ILE:HD11	1.97	0.46
16:H:1138:CLA:HAA2	16:G:1228:CLA:HMB2	1.98	0.46
16:H:1138:CLA:HBB2	6:Q:83:GLY:HA3	1.96	0.46
16:G:1021:CLA:H161	16:G:1021:CLA:H122	1.75	0.46
16:t:505:CLA:H143	16:t:505:CLA:H111	1.82	0.46
1:A:59:ASP:OD2	1:A:349:HIS:NE2	2.49	0.45
2:B:451:ILE:HD11	16:B:1230:CLA:HMA2	1.98	0.45
4:D:118:LYS:NZ	4:D:139:TYR:O	2.38	0.45
16:g:507:CLA:H92	19:g:601:BCR:H12C	1.99	0.45
16:y:511:CLA:H192	16:y:511:CLA:H162	1.84	0.45
16:a:1126:CLA:H193	19:j:4012:BCR:H10C	1.97	0.45
11:o:45:PHE:HA	11:o:48:PHE:HB3	1.98	0.45
11:q:81:GLY:N	11:q:167:TYR:OH	2.45	0.45
11:h:276:LEU:HD12	11:h:286:PHE:HB3	1.97	0.45
16:h:516:CLA:HBA2	16:h:516:CLA:H3A	1.50	0.45
11:s:177:VAL:HG21	11:s:204:VAL:HG11	1.97	0.45
11:w:211:GLY:HA2	11:w:214:LEU:HD12	1.97	0.45
11:x:207:HIS:HA	11:x:210:VAL:HG12	1.98	0.45
16:B:1205:CLA:H122	16:B:1224:CLA:H13	1.98	0.45
16:B:1215:CLA:H62	16:B:1215:CLA:H41	1.66	0.45
11:Y:272:TYR:O	11:Y:298:THR:OG1	2.35	0.45
11:Z:143:GLY:HA3	11:Z:222:ILE:HG13	1.98	0.45
2:b:656:THR:HA	16:b:1023:CLA:HAB	1.98	0.45
16:b:1023:CLA:H192	19:b:4017:BCR:H353	1.98	0.45
16:b:1203:CLA:H3A	16:b:1203:CLA:HBA1	1.62	0.45
11:o:324:ARG:NH1	16:o:511:CLA:O1D	2.50	0.45
1:H:694:GLN:HG3	2:G:543:LEU:HD11	1.99	0.45
2:G:301:ILE:HA	2:G:304:ILE:HD12	1.99	0.45
2:G:656:THR:HA	16:G:1023:CLA:HAB	1.98	0.45
11:u:246:LEU:HA	11:u:249:ILE:HG22	1.97	0.45
6:f:102:VAL:HG12	8:j:10:THR:HG22	1.98	0.45
16:X:508:CLA:HBA2	16:X:508:CLA:H3A	1.56	0.45
11:Y:254:PHE:HE2	11:Y:315:LEU:HD22	1.80	0.45
11:p:316:GLN:HA	11:p:319:LEU:HB2	1.99	0.45
11:q:237:SER:OG	11:q:238:GLY:N	2.49	0.45
1:H:435:ALA:O	1:H:439:HIS:ND1	2.48	0.45
1:H:441:ASN:HB2	16:G:1023:CLA:HED1	1.98	0.45
16:H:1103:CLA:H121	19:H:4003:BCR:H372	1.98	0.45
16:H:1138:CLA:H61	16:H:1138:CLA:H2	1.74	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
11:w:203:LEU:HD12	19:w:603:BCR:H291	1.98	0.45
16:v:513:CLA:HBB2	16:v:515:CLA:H101	1.98	0.45
6:Q:70:ILE:HA	6:Q:73:LEU:HB2	1.97	0.45
19:S:4015:BCR:H15C	19:S:4015:BCR:H351	1.81	0.45
14:A:4101:LMG:H132	14:A:4201:LMG:H132	1.98	0.45
16:W:505:CLA:HBB2	16:W:510:CLA:H62	1.98	0.45
11:Z:134:ASN:HB3	11:Z:137:GLN:HE22	1.81	0.45
16:Z:502:CLA:H43	19:Z:602:BCR:H372	1.97	0.45
16:g:506:CLA:H41	16:g:506:CLA:H62	1.69	0.45
16:g:508:CLA:H43	16:g:508:CLA:HBA2	1.98	0.45
16:b:1207:CLA:HAB	7:i:19:GLY:HA3	1.98	0.45
19:b:4017:BCR:H20C	19:b:4017:BCR:H361	1.80	0.45
19:i:4020:BCR:HC42	9:l:87:ALA:HB1	1.98	0.45
11:q:111:THR:HG23	11:q:112:LEU:HG	1.99	0.45
11:h:216:GLY:HA2	11:h:219:ILE:HD12	1.98	0.45
16:H:1116:CLA:HBA2	16:H:1116:CLA:H3A	1.48	0.45
11:x:159:LYS:HA	11:x:163:TRP:HB2	1.98	0.45
11:v:36:ALA:O	11:v:100:SER:OG	2.33	0.45
1:A:656:ASN:OD1	1:A:746:ARG:NH1	2.44	0.45
2:B:430:HIS:HA	16:B:1230:CLA:HBB2	1.99	0.45
16:g:517:CLA:HED2	16:g:517:CLA:H2A	1.98	0.45
2:b:301:ILE:HA	2:b:304:ILE:HD12	1.99	0.45
11:p:301:ALA:O	11:p:305:ASN:ND2	2.42	0.45
1:H:660:SER:OG	1:H:660:SER:O	2.35	0.45
2:G:430:HIS:HA	16:G:1230:CLA:HBB2	1.99	0.45
2:G:660:PHE:HA	17:G:2002:PQN:H9	1.99	0.45
11:t:226:PRO:HB3	11:t:230:ALA:HB3	1.98	0.45
16:t:505:CLA:HBA2	16:t:505:CLA:H3A	1.53	0.45
16:u:509:CLA:H62	16:u:509:CLA:H2	1.72	0.45
11:w:171:THR:HG21	11:w:175:ARG:HE	1.82	0.45
1:A:115:GLN:NE2	16:A:1107:CLA:OBD	2.43	0.45
1:A:202:ALA:HB2	1:A:308:GLY:HA3	1.98	0.45
16:A:1132:CLA:H152	19:I:4020:BCR:H372	1.98	0.45
11:W:249:ILE:HG12	16:W:506:CLA:HAC1	1.97	0.45
1:a:362:LEU:HD23	16:a:1127:CLA:HBC1	1.98	0.45
16:b:1239:CLA:H62	16:b:1239:CLA:H41	1.69	0.45
11:n:272:TYR:O	11:n:298:THR:OG1	2.34	0.45
16:H:1126:CLA:H191	19:H:4011:BCR:H391	1.99	0.45
2:G:478:ASN:ND2	2:G:480:ASP:OD2	2.49	0.45
16:G:1023:CLA:H192	19:G:4017:BCR:H353	1.98	0.45
1:A:195:SER:O	1:A:199:HIS:ND1	2.37	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:91:ILE:HB	2:B:112:PRO:HB2	1.99	0.45
2:B:656:THR:HA	16:B:1023:CLA:HAB	1.97	0.45
16:B:1239:CLA:H62	16:B:1239:CLA:H41	1.69	0.45
9:L:157:ASN:HB2	2:b:97:GLY:HA2	1.98	0.45
19:L:4022:BCR:H382	9:U:137:VAL:HG23	1.99	0.45
11:g:22:ASP:OD2	11:g:22:ASP:N	2.44	0.45
16:g:504:CLA:H52	16:g:506:CLA:H42	1.99	0.45
9:l:70:PRO:HG2	9:l:71:LEU:HD12	1.98	0.45
16:o:508:CLA:HBA2	16:o:508:CLA:H3A	1.58	0.45
11:q:20:PHE:HA	11:q:23:GLN:HG3	1.97	0.45
11:q:272:TYR:O	11:q:298:THR:OG1	2.35	0.45
11:r:234:LEU:HD21	19:r:603:BCR:HC41	1.98	0.45
1:H:202:ALA:HB2	1:H:308:GLY:HA3	1.98	0.45
11:t:25:GLY:N	11:t:116:ALA:O	2.40	0.45
1:A:18:ASN:OD1	1:A:183:LYS:NZ	2.42	0.45
1:A:694:GLN:HG3	2:B:543:LEU:HD11	1.99	0.45
2:B:301:ILE:HA	2:B:304:ILE:HD12	1.98	0.45
16:B:1210:CLA:H162	16:B:1210:CLA:H141	1.77	0.45
19:B:4006:BCR:H20C	19:B:4006:BCR:H361	1.85	0.45
11:X:59:MET:HA	11:X:64:LEU:HD12	1.98	0.45
16:Z:508:CLA:HBA2	16:Z:508:CLA:H43	1.99	0.45
1:a:589:ASP:OD2	1:a:724:ARG:NH1	2.48	0.45
19:p:602:BCR:H15C	19:p:602:BCR:H351	1.84	0.45
11:q:64:LEU:HB3	11:q:68:PRO:HD3	1.99	0.45
16:h:506:CLA:HBB1	16:h:507:CLA:HMC2	1.99	0.45
16:H:1103:CLA:H172	16:H:1111:CLA:H51	1.97	0.45
16:G:1235:CLA:H3A	16:G:1235:CLA:HBA2	1.74	0.45
19:w:602:BCR:H15C	19:w:602:BCR:H351	1.86	0.45
1:A:362:LEU:HD23	16:A:1127:CLA:HBC1	1.98	0.45
2:B:349:HIS:ND1	16:B:1214:CLA:OBD	2.50	0.45
19:B:4014:BCR:H20C	19:B:4014:BCR:H361	1.87	0.45
16:W:506:CLA:H61	16:W:506:CLA:H41	1.78	0.45
11:Y:301:ALA:O	11:Y:305:ASN:ND2	2.46	0.45
2:b:349:HIS:ND1	16:b:1214:CLA:OBD	2.50	0.45
11:r:109:PHE:HE1	11:r:113:ARG:HD2	1.81	0.45
19:h:601:BCR:H20C	19:h:601:BCR:H361	1.81	0.45
14:H:852:LMG:H302	13:R:103:LHG:H251	1.99	0.45
11:s:260:CYS:O	11:s:300:ARG:NH1	2.44	0.45
11:w:57:GLN:NE2	11:w:61:ASP:OD2	2.50	0.45
11:w:66:LEU:HD23	11:w:66:LEU:HA	1.85	0.45
1:A:589:ASP:OD2	1:A:724:ARG:NH1	2.48	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
15:A:1011:CL0:H41	15:A:1011:CL0:H34	1.69	0.45
11:Z:230:ALA:HB2	16:Z:516:CLA:HED1	1.99	0.45
16:Z:516:CLA:HBA2	16:Z:516:CLA:H3A	1.43	0.45
1:a:42:PRO:HG2	6:f:97:GLU:HB3	1.98	0.45
14:a:4101:LMG:H132	14:a:4201:LMG:H132	1.98	0.45
2:b:430:HIS:HA	16:b:1230:CLA:HBB2	1.99	0.45
16:b:1238:CLA:H3A	16:b:1238:CLA:HBA2	1.52	0.45
16:n:513:CLA:HBA2	16:n:513:CLA:H3A	1.64	0.45
11:o:272:TYR:HB3	11:o:300:ARG:HB2	1.99	0.45
11:p:332:ARG:O	11:p:336:ALA:N	2.46	0.45
11:r:117:ASP:OD2	11:r:119:SER:OG	2.35	0.45
11:r:131:THR:HG23	11:r:133:GLU:H	1.81	0.45
1:H:76:HIS:ND1	16:H:1111:CLA:OBD	2.46	0.45
16:G:1215:CLA:H62	16:G:1215:CLA:H41	1.66	0.45
16:u:510:CLA:H52	16:u:516:CLA:HBB2	1.99	0.45
16:A:1103:CLA:H121	19:A:4003:BCR:H372	1.98	0.44
16:B:1239:CLA:HBA1	19:B:4017:BCR:H352	1.98	0.44
19:M:4021:BCR:H20C	19:M:4021:BCR:H361	1.86	0.44
11:X:315:LEU:HD11	16:X:515:CLA:HAB	1.99	0.44
11:g:117:ASP:OD1	11:g:117:ASP:N	2.47	0.44
15:a:1011:CL0:H72	15:a:1011:CL0:H10	1.50	0.44
2:b:254:ILE:HG13	2:b:255:LEU:HG	2.00	0.44
19:l:4019:BCR:H20C	19:l:4019:BCR:H361	1.79	0.44
19:o:604:BCR:H15C	19:o:604:BCR:H351	1.85	0.44
1:H:354:ILE:HD11	19:H:4007:BCR:HC7	1.99	0.44
2:G:91:ILE:HB	2:G:112:PRO:HB2	1.99	0.44
4:O:29:ALA:HB1	4:O:56:LEU:HD11	2.00	0.44
9:U:70:PRO:HG2	9:U:71:LEU:HD12	1.98	0.44
11:t:65:ILE:HG23	11:t:66:LEU:HD12	1.98	0.44
16:s:516:CLA:H3A	16:s:516:CLA:HBA2	1.65	0.44
11:x:59:MET:HE3	11:x:59:MET:HB2	1.76	0.44
16:x:515:CLA:H203	16:x:515:CLA:H141	1.99	0.44
1:A:462:ARG:NH1	1:A:637:GLN:O	2.42	0.44
16:A:1126:CLA:H191	19:A:4011:BCR:H391	1.99	0.44
16:Y:509:CLA:HED2	16:Y:510:CLA:HBA2	1.99	0.44
11:g:298:THR:HG23	11:g:301:ALA:H	1.82	0.44
1:a:333:THR:HB	1:a:425:LEU:HD21	2.00	0.44
16:a:1136:CLA:H52	16:a:1136:CLA:H8	1.79	0.44
2:b:91:ILE:HB	2:b:112:PRO:HB2	1.99	0.44
16:b:1023:CLA:H201	16:b:1239:CLA:H52	2.00	0.44
11:n:111:THR:HB	11:n:112:LEU:HD12	1.98	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
16:H:1108:CLA:H3A	16:H:1108:CLA:HBA2	1.65	0.44
2:G:349:HIS:ND1	16:G:1214:CLA:OBD	2.50	0.44
2:G:430:HIS:HB2	19:S:4015:BCR:HC31	1.99	0.44
16:G:1216:CLA:HBA2	16:G:1216:CLA:H3A	1.57	0.44
11:x:241:ILE:HA	11:x:244:TYR:HD2	1.82	0.44
16:x:508:CLA:H43	16:x:508:CLA:HBA2	1.99	0.44
16:v:516:CLA:HBA2	16:v:516:CLA:H3A	1.49	0.44
16:A:1112:CLA:HBA1	16:A:1112:CLA:H3A	1.89	0.44
2:B:195:VAL:HA	2:B:199:ILE:HD12	1.99	0.44
4:D:29:ALA:HB1	4:D:56:LEU:HD11	2.00	0.44
16:L:1503:CLA:H93	16:L:1503:CLA:H61	1.81	0.44
16:W:511:CLA:HBA2	16:W:511:CLA:H3A	1.55	0.44
11:g:303:LEU:HD22	11:g:307:HIS:HE1	1.82	0.44
11:y:145:HIS:HE1	16:y:509:CLA:H111	1.82	0.44
1:a:354:ILE:HD11	19:a:4007:BCR:HC7	2.00	0.44
1:a:660:SER:OG	1:a:665:LEU:O	2.32	0.44
16:a:1022:CLA:H162	16:a:1022:CLA:H202	1.86	0.44
2:b:147:SER:HB3	10:m:18:PRO:HG3	2.00	0.44
11:o:197:ILE:HD12	11:o:265:LEU:HD11	2.00	0.44
11:p:214:LEU:O	11:p:218:GLY:N	2.50	0.44
11:p:280:LEU:HA	11:p:284:PRO:HA	1.98	0.44
16:H:1132:CLA:HHD	16:G:1206:CLA:HBB2	1.99	0.44
19:G:4004:BCR:H20C	19:G:4004:BCR:H361	1.88	0.44
11:t:274:PRO:HD2	11:t:298:THR:HG21	1.99	0.44
16:s:507:CLA:H2A	16:s:507:CLA:H12	2.00	0.44
11:x:147:LEU:O	11:x:151:ALA:N	2.51	0.44
11:v:261:ALA:HA	11:v:276:LEU:HB2	1.98	0.44
19:T:1501:BCR:H15C	19:T:1501:BCR:H351	1.89	0.44
16:A:1103:CLA:H91	16:A:1103:CLA:H111	1.70	0.44
16:A:1117:CLA:HBA2	16:A:1117:CLA:H3A	1.58	0.44
11:Y:227:LEU:HD12	11:Y:229:TRP:HE1	1.83	0.44
11:y:197:ILE:HG13	11:y:263:ASN:HD21	1.81	0.44
1:a:435:ALA:O	1:a:439:HIS:ND1	2.48	0.44
16:a:1103:CLA:H172	16:a:1111:CLA:H51	1.97	0.44
4:d:29:ALA:HB1	4:d:56:LEU:HD11	2.00	0.44
11:p:332:ARG:HA	11:p:335:GLN:HB2	2.00	0.44
14:H:4101:LMG:H132	14:H:4201:LMG:H132	1.98	0.44
11:s:75:TRP:HB3	11:s:88:PRO:HB2	1.99	0.44
11:x:168:ASP:N	11:x:168:ASP:OD1	2.48	0.44
2:B:70:TRP:NE1	7:I:6:ALA:O	2.39	0.44
16:g:510:CLA:H92	16:g:510:CLA:H62	1.88	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:a:660:SER:OG	1:a:660:SER:O	2.35	0.44
2:b:446:THR:HB	6:f:36:ARG:HH12	1.83	0.44
16:b:1207:CLA:H62	16:b:1207:CLA:H41	1.63	0.44
9:l:137:VAL:HG23	19:U:4022:BCR:H382	2.00	0.44
11:n:276:LEU:HD23	11:n:286:PHE:HB3	2.00	0.44
11:o:207:HIS:HA	11:o:210:VAL:HG12	1.99	0.44
11:q:168:ASP:OD2	11:q:170:THR:OG1	2.35	0.44
2:G:254:ILE:HG13	2:G:255:LEU:HG	1.99	0.44
11:s:239:GLU:OE2	11:s:324:ARG:NH1	2.50	0.44
11:w:1:MET:HE3	11:w:1:MET:HB2	1.84	0.44
11:w:195:ALA:HB1	11:w:262:VAL:HG21	1.99	0.44
11:v:59:MET:HB2	11:v:271:PHE:HA	2.00	0.44
11:v:59:MET:N	11:v:59:MET:SD	2.91	0.44
3:N:66:ARG:HA	3:N:66:ARG:HD2	1.79	0.44
1:A:154:ASP:OD1	1:A:154:ASP:N	2.51	0.44
1:A:333:THR:HB	1:A:425:LEU:HD21	2.00	0.44
1:A:435:ALA:O	1:A:439:HIS:ND1	2.48	0.44
2:B:56:ILE:HD11	19:M:4021:BCR:HC7	2.00	0.44
2:B:454:GLU:OE1	6:F:52:HIS:ND1	2.44	0.44
16:B:1021:CLA:H161	16:B:1021:CLA:H122	1.75	0.44
17:B:2002:PQN:H302	17:B:2002:PQN:H261	1.81	0.44
11:W:144:HIS:CD2	16:W:502:CLA:HAB	2.53	0.44
11:g:64:LEU:HB3	11:g:68:PRO:HD3	1.99	0.44
1:a:689:GLY:N	2:b:566:ASP:OD1	2.50	0.44
16:a:1103:CLA:H91	16:a:1103:CLA:H111	1.71	0.44
2:b:195:VAL:HA	2:b:199:ILE:HD12	1.99	0.44
2:b:667:TYR:OH	16:b:1023:CLA:OBD	2.34	0.44
16:q:513:CLA:H2A	16:q:513:CLA:HED2	2.00	0.44
16:H:1136:CLA:H8	16:H:1136:CLA:H52	1.79	0.44
16:H:1140:CLA:H141	8:S:19:LEU:HB3	2.00	0.44
16:u:508:CLA:HBA2	16:u:508:CLA:H3A	1.55	0.44
11:s:301:ALA:O	11:s:305:ASN:ND2	2.42	0.44
11:v:303:LEU:HD21	16:v:506:CLA:HED3	2.00	0.44
16:v:505:CLA:H11	16:v:505:CLA:HBA1	1.86	0.44
16:A:1136:CLA:HBC1	14:A:4201:LMG:H161	2.00	0.44
2:B:339:LEU:HD12	2:B:342:ILE:HD11	1.99	0.44
16:B:1023:CLA:H12	16:B:1023:CLA:HMA2	2.00	0.44
16:B:1235:CLA:H152	19:F:4016:BCR:H23C	2.00	0.44
11:Z:64:LEU:HB3	11:Z:68:PRO:HD3	2.00	0.44
19:y:603:BCR:H15C	19:y:603:BCR:H351	1.81	0.44
19:y:604:BCR:H343	16:x:515:CLA:H172	2.00	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
16:a:1104:CLA:H61	16:a:1104:CLA:H2	1.74	0.44
17:a:2001:PQN:H241	17:a:2001:PQN:H262	1.84	0.44
11:p:109:PHE:HE1	11:p:113:ARG:HD2	1.82	0.44
11:h:131:THR:OG1	11:h:132:TRP:N	2.51	0.44
16:U:1503:CLA:H61	16:U:1503:CLA:H41	1.74	0.44
16:t:511:CLA:H52	19:t:601:BCR:HC41	2.00	0.44
11:x:59:MET:HB3	11:x:271:PHE:HA	2.00	0.44
16:y:509:CLA:H101	16:y:509:CLA:HBD	1.99	0.44
16:a:1101:CLA:H52	16:a:1101:CLA:H8	1.74	0.44
16:a:1113:CLA:HBA2	16:a:1113:CLA:H3A	1.37	0.44
2:b:336:LEU:HD22	2:b:380:LEU:HD22	2.00	0.44
16:b:1231:CLA:HED2	16:b:1231:CLA:H2A	2.00	0.44
11:p:34:GLN:HG2	16:p:509:CLA:HHB	2.00	0.44
11:q:49:GLU:OE1	11:q:65:ILE:N	2.51	0.44
11:h:144:HIS:CD2	16:h:502:CLA:HAB	2.52	0.44
1:H:333:THR:HB	1:H:425:LEU:HD21	2.00	0.44
1:H:689:GLY:N	2:G:566:ASP:OD1	2.51	0.44
16:G:1221:CLA:H142	16:G:1221:CLA:H111	1.82	0.44
11:u:280:LEU:HD22	11:s:48:PHE:HB2	2.00	0.44
11:x:200:LEU:HD12	11:x:265:LEU:HD21	2.00	0.44
1:A:182:VAL:HG12	1:A:183:LYS:HG3	2.00	0.44
1:A:354:ILE:HD11	19:A:4007:BCR:HC7	2.00	0.44
16:B:1204:CLA:HHB	16:B:1205:CLA:HMB3	2.00	0.44
4:D:19:LEU:HD23	4:D:19:LEU:HA	1.89	0.44
11:Y:210:VAL:HG21	16:Y:505:CLA:HAB	2.00	0.44
19:g:603:BCR:H24C	19:g:603:BCR:H371	1.85	0.44
11:y:41:TRP:O	11:y:45:PHE:HB2	2.18	0.44
1:a:713:ILE:HD11	6:f:101:VAL:HG23	1.99	0.44
16:a:1106:CLA:HBA2	16:a:1106:CLA:H3A	1.44	0.44
16:a:1130:CLA:H101	19:U:4022:BCR:H322	1.99	0.44
16:b:1023:CLA:H12	16:b:1023:CLA:HMA2	2.00	0.44
19:n:603:BCR:H20C	19:n:603:BCR:H361	1.85	0.44
11:o:306:ALA:HA	19:o:601:BCR:H21C	1.99	0.44
11:h:177:VAL:HG11	11:h:204:VAL:HG11	2.00	0.44
19:h:603:BCR:H15C	19:h:603:BCR:H351	1.83	0.44
16:H:1124:CLA:HBA2	16:H:1124:CLA:H3A	1.80	0.44
16:G:1231:CLA:HED2	16:G:1231:CLA:H2A	2.00	0.44
1:A:660:SER:OG	1:A:665:LEU:O	2.32	0.43
16:A:1101:CLA:H152	19:A:4011:BCR:H292	1.99	0.43
16:A:1140:CLA:H102	16:A:1140:CLA:H61	1.57	0.43
19:A:4011:BCR:H24C	16:B:1230:CLA:HMC2	2.00	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:660:PHE:HA	17:B:2002:PQN:H9	1.99	0.43
16:L:1501:CLA:H11	16:b:1207:CLA:H172	1.99	0.43
16:Z:506:CLA:HBB1	16:Z:507:CLA:HMC2	2.00	0.43
16:a:1101:CLA:H152	19:a:4011:BCR:H292	1.99	0.43
16:a:1131:CLA:H41	16:a:1237:CLA:HBC2	1.99	0.43
16:a:1132:CLA:H152	19:i:4020:BCR:H372	2.00	0.43
2:b:57:ILE:HD11	19:b:4005:BCR:H392	2.00	0.43
2:b:660:PHE:HA	17:b:2002:PQN:H9	1.99	0.43
11:p:45:PHE:HA	11:p:48:PHE:HB3	1.99	0.43
11:p:227:LEU:HD12	11:p:229:TRP:HE1	1.83	0.43
11:h:28:ILE:HD13	16:h:502:CLA:HBC3	1.99	0.43
1:H:362:LEU:HD22	16:H:1127:CLA:H193	2.00	0.43
1:H:589:ASP:HA	1:H:592:PHE:HB3	2.00	0.43
11:t:155:LEU:O	11:t:159:LYS:N	2.51	0.43
16:t:515:CLA:H41	16:t:515:CLA:H61	1.72	0.43
11:u:279:LYS:HD2	11:u:287:ALA:HB3	1.99	0.43
19:x:602:BCR:H20C	19:x:602:BCR:H361	1.88	0.43
11:v:68:PRO:HB3	11:v:271:PHE:HB3	1.99	0.43
1:A:362:LEU:HD22	16:A:1127:CLA:H193	2.00	0.43
16:A:1131:CLA:H41	16:A:1237:CLA:HBC2	1.99	0.43
16:A:1140:CLA:HBA2	16:A:1140:CLA:H3A	1.63	0.43
2:B:336:LEU:HD22	2:B:380:LEU:HD22	2.00	0.43
11:Z:4:TYR:HE1	11:Z:327:GLY:HA2	1.83	0.43
1:a:195:SER:O	1:a:199:HIS:ND1	2.37	0.43
16:b:1216:CLA:HBB1	16:b:1221:CLA:H61	2.00	0.43
11:r:59:MET:HG3	11:r:64:LEU:HD12	2.00	0.43
16:r:507:CLA:H61	19:r:601:BCR:H10C	1.99	0.43
1:H:182:VAL:HG12	1:H:183:LYS:HG3	2.00	0.43
2:G:612:TYR:OH	2:G:618:ARG:NH2	2.51	0.43
16:G:1204:CLA:HHB	16:G:1205:CLA:HMB3	2.00	0.43
16:G:1225:CLA:H3A	16:G:1225:CLA:HBA2	1.43	0.43
19:t:601:BCR:H24C	19:t:601:BCR:H371	1.82	0.43
19:j:4015:BCR:H20C	19:j:4015:BCR:H361	1.87	0.43
19:K:1501:BCR:H15C	19:K:1501:BCR:H351	1.89	0.43
1:A:689:GLY:N	2:B:566:ASP:OD1	2.51	0.43
16:A:1138:CLA:H91	16:F:1301:CLA:HAC2	1.99	0.43
19:A:4001:BCR:H15C	19:A:4001:BCR:H351	1.85	0.43
2:B:57:ILE:HD11	19:B:4005:BCR:H392	2.00	0.43
6:F:39:ARG:NH1	8:J:34:PRO:O	2.40	0.43
11:W:326:LEU:HD21	11:X:113:ARG:HE	1.83	0.43
11:Y:298:THR:HG23	11:Y:301:ALA:H	1.83	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:a:182:VAL:HG12	1:a:183:LYS:HG3	2.00	0.43
16:a:1126:CLA:H191	19:a:4011:BCR:H391	1.99	0.43
2:b:339:LEU:HD12	2:b:342:ILE:HD11	1.99	0.43
16:b:1210:CLA:H141	16:b:1210:CLA:H162	1.77	0.43
11:n:85:ASP:HB2	11:n:88:PRO:HD2	1.99	0.43
11:q:4:TYR:HE1	11:q:327:GLY:HA2	1.83	0.43
2:G:57:ILE:HD11	19:G:4005:BCR:H392	2.00	0.43
2:G:195:VAL:HA	2:G:199:ILE:HD12	1.99	0.43
16:x:515:CLA:H62	16:x:515:CLA:H41	1.89	0.43
16:B:1207:CLA:H72	9:L:87:ALA:HB2	2.01	0.43
19:W:603:BCR:H15C	19:W:603:BCR:H351	1.90	0.43
11:X:305:ASN:HB3	19:X:601:BCR:H402	2.00	0.43
19:g:603:BCR:H20C	19:g:603:BCR:H361	1.87	0.43
16:l:1502:CLA:H3A	16:l:1502:CLA:HBA2	1.64	0.43
16:n:509:CLA:H41	16:n:510:CLA:HED3	1.99	0.43
11:o:279:LYS:HD2	11:o:287:ALA:HB3	1.98	0.43
16:H:1101:CLA:H152	19:H:4011:BCR:H292	1.99	0.43
16:G:1207:CLA:H62	16:G:1207:CLA:H41	1.63	0.43
16:G:1210:CLA:H141	16:G:1210:CLA:H162	1.77	0.43
16:G:1210:CLA:HBA1	16:G:1210:CLA:H3A	1.36	0.43
11:u:207:HIS:HA	11:u:210:VAL:HG12	1.99	0.43
11:s:319:LEU:HD23	11:s:319:LEU:HA	1.89	0.43
16:s:507:CLA:H42	16:s:511:CLA:H52	2.00	0.43
2:B:612:TYR:OH	2:B:618:ARG:NH2	2.51	0.43
16:B:1210:CLA:H3A	16:B:1210:CLA:HBA1	1.36	0.43
13:a:849:LHG:H152	16:a:1101:CLA:HMB2	2.00	0.43
16:a:1109:CLA:H122	16:a:1109:CLA:H162	1.88	0.43
16:a:1126:CLA:HBA2	16:a:1126:CLA:H3A	1.63	0.43
11:p:239:GLU:OE2	11:p:324:ARG:NH1	2.51	0.43
11:q:230:ALA:HB2	16:q:516:CLA:HED1	2.00	0.43
16:r:506:CLA:H62	16:r:506:CLA:H41	1.63	0.43
11:h:263:ASN:O	11:h:300:ARG:NH1	2.41	0.43
1:H:462:ARG:NH1	1:H:637:GLN:O	2.42	0.43
2:G:339:LEU:HD12	2:G:342:ILE:HD11	1.99	0.43
2:G:692:ASP:OD1	2:G:692:ASP:N	2.43	0.43
16:G:1229:CLA:HAB	16:G:1230:CLA:C2B	2.49	0.43
11:w:20:PHE:HA	11:w:23:GLN:HG3	2.00	0.43
11:w:272:TYR:O	11:w:298:THR:OG1	2.36	0.43
3:N:17:CYS:HB3	18:N:102:SF4:S4	2.58	0.43
1:A:364:ILE:HG13	1:A:397:GLY:HA3	2.00	0.43
16:A:1013:CLA:H101	16:A:1013:CLA:H62	1.87	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
16:B:1204:CLA:H41	19:M:4021:BCR:H362	2.00	0.43
19:L:4022:BCR:HC21	16:H:1130:CLA:H93	2.01	0.43
16:Y:506:CLA:H102	16:Y:506:CLA:H62	1.83	0.43
16:g:507:CLA:H202	16:g:507:CLA:H161	1.89	0.43
1:a:325:LEU:HD12	1:a:341:TYR:HB2	2.01	0.43
16:a:1130:CLA:HBC2	16:a:1137:CLA:HMC2	2.01	0.43
2:b:612:TYR:OH	2:b:618:ARG:NH2	2.51	0.43
11:n:298:THR:OG1	11:n:299:SER:N	2.52	0.43
19:o:603:BCR:H351	19:o:603:BCR:H15C	1.86	0.43
16:H:1134:CLA:H3A	16:H:1134:CLA:HBA2	1.50	0.43
4:O:115:GLN:O	3:N:41:SER:OG	2.35	0.43
11:u:17:ASN:HB2	16:u:511:CLA:HBA1	2.00	0.43
19:u:603:BCR:H15C	19:u:603:BCR:H351	1.85	0.43
11:w:181:THR:HG23	11:w:205:GLY:HA3	2.01	0.43
16:v:511:CLA:H142	16:v:511:CLA:H112	1.83	0.43
1:A:747:SER:HA	1:A:750:ILE:HG12	2.01	0.43
13:A:849:LHG:H152	16:A:1101:CLA:HMB2	2.00	0.43
16:A:1117:CLA:H8	16:A:1117:CLA:HAB	2.01	0.43
16:A:1130:CLA:HBC2	16:A:1137:CLA:HMC2	2.01	0.43
16:A:1138:CLA:HAA2	16:B:1228:CLA:HMB2	2.00	0.43
6:F:9:PRO:HA	6:F:44:LEU:HA	2.01	0.43
11:Z:160:ALA:HA	11:Z:166:LEU:HD21	1.99	0.43
19:g:603:BCR:H15C	19:g:603:BCR:H351	1.84	0.43
16:y:504:CLA:H61	16:y:504:CLA:H102	1.81	0.43
16:b:1204:CLA:HHB	16:b:1205:CLA:HMB3	2.00	0.43
16:b:1216:CLA:HBA2	16:b:1216:CLA:H3A	1.57	0.43
16:n:505:CLA:H3A	16:n:505:CLA:HBA2	1.52	0.43
16:o:511:CLA:H41	16:o:511:CLA:H62	1.85	0.43
19:p:603:BCR:H24C	19:p:603:BCR:H371	1.83	0.43
11:q:303:LEU:HD23	11:q:303:LEU:HA	1.90	0.43
16:q:516:CLA:H3A	16:q:516:CLA:HBA2	1.42	0.43
16:h:504:CLA:H13	16:h:507:CLA:HBB2	2.01	0.43
15:H:1011:CL0:H34	15:H:1011:CL0:H41	1.69	0.43
16:G:1023:CLA:H12	16:G:1023:CLA:HMA2	2.00	0.43
19:x:603:BCR:H20C	19:x:603:BCR:H361	1.85	0.43
16:B:1231:CLA:HED2	16:B:1231:CLA:H2A	2.00	0.43
3:C:17:CYS:HB3	18:C:102:SF4:S4	2.58	0.43
6:F:27:THR:OG1	6:F:28:ASN:N	2.52	0.43
16:W:515:CLA:H101	16:W:515:CLA:H61	1.81	0.43
11:y:108:LEU:HD12	16:x:515:CLA:HHB	1.99	0.43
16:y:517:CLA:HED2	16:y:517:CLA:H2A	2.00	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:a:362:LEU:HD22	16:a:1127:CLA:H193	2.00	0.43
16:b:1229:CLA:HAB	16:b:1230:CLA:C2B	2.49	0.43
1:H:325:LEU:HD12	1:H:341:TYR:HB2	2.01	0.43
1:H:561:LEU:HD21	1:H:582:THR:HG22	2.01	0.43
2:G:142:LEU:HD23	2:G:142:LEU:HA	1.86	0.43
2:G:336:LEU:HD22	2:G:380:LEU:HD22	2.00	0.43
16:G:1210:CLA:H191	16:G:1225:CLA:H2	2.01	0.43
19:R:4018:BCR:H402	19:R:4020:BCR:H353	2.01	0.43
11:x:261:ALA:O	11:x:276:LEU:N	2.51	0.43
6:f:27:THR:OG1	6:f:28:ASN:N	2.52	0.43
16:A:1122:CLA:H91	16:A:1122:CLA:H111	1.83	0.43
2:B:375:TYR:HA	2:B:584:LEU:HD13	2.01	0.43
2:B:470:TYR:HA	6:F:6:ASN:HB3	1.99	0.43
16:B:1203:CLA:HBA1	16:B:1203:CLA:H3A	1.62	0.43
6:F:7:LEU:HB2	6:F:44:LEU:HD12	2.01	0.43
11:W:42:ALA:O	11:W:46:THR:OG1	2.32	0.43
16:W:509:CLA:H62	16:W:509:CLA:H2	1.74	0.43
11:X:243:SER:OG	11:X:318:HIS:ND1	2.52	0.43
11:Y:86:THR:O	11:Y:86:THR:OG1	2.37	0.43
11:Y:214:LEU:HD21	16:Y:510:CLA:H72	2.00	0.43
2:b:299:HIS:HB3	2:b:304:ILE:HD11	2.01	0.43
2:b:478:ASN:ND2	2:b:480:ASP:OD2	2.49	0.43
17:b:2002:PQN:H302	17:b:2002:PQN:H261	1.81	0.43
9:l:44:LEU:HD13	9:l:48:LEU:HD23	2.01	0.43
16:l:1503:CLA:HBA1	16:l:1503:CLA:H3A	1.62	0.43
11:o:131:THR:HG23	11:o:133:GLU:HG3	2.01	0.43
11:p:251:LEU:HD23	16:p:505:CLA:H143	2.00	0.43
11:q:292:LEU:HB3	11:q:296:ALA:HB3	2.01	0.43
16:h:517:CLA:HED2	16:h:517:CLA:H2A	1.99	0.43
1:H:289:TRP:HB2	1:H:292:ASP:HB2	2.01	0.43
16:H:1117:CLA:H8	16:H:1117:CLA:HAB	2.01	0.43
16:H:1131:CLA:H41	16:H:1237:CLA:HBC2	1.99	0.43
19:G:4005:BCR:H15C	19:G:4005:BCR:H351	1.87	0.43
11:u:28:ILE:HG23	16:u:503:CLA:HBC2	2.00	0.43
11:w:159:LYS:HA	11:w:163:TRP:HB2	2.00	0.43
11:x:168:ASP:HB3	11:x:200:LEU:HD13	2.00	0.43
3:c:17:CYS:HB3	18:c:102:SF4:S4	2.58	0.43
1:A:76:HIS:ND1	16:A:1111:CLA:OBD	2.46	0.43
16:A:1106:CLA:H91	16:A:1106:CLA:H111	1.90	0.43
16:B:1023:CLA:H201	16:B:1239:CLA:H52	1.99	0.43
11:Y:50:ILE:HD11	11:Y:89:TYR:HB2	2.00	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
11:g:272:TYR:O	11:g:298:THR:OG1	2.37	0.43
19:y:602:BCR:H333	11:x:192:THR:HA	2.01	0.43
16:a:1117:CLA:H8	16:a:1117:CLA:HAB	2.01	0.43
19:a:4001:BCR:H15C	19:a:4001:BCR:H351	1.85	0.43
19:m:4021:BCR:H20C	19:m:4021:BCR:H361	1.86	0.43
16:q:505:CLA:HMB3	19:q:603:BCR:H403	2.00	0.43
2:G:299:HIS:HB3	2:G:304:ILE:HD11	2.01	0.43
16:G:1023:CLA:H201	16:G:1239:CLA:H52	1.99	0.43
16:G:1204:CLA:H2	16:G:1204:CLA:H61	1.85	0.43
2:B:299:HIS:HB3	2:B:304:ILE:HD11	2.01	0.42
16:B:1223:CLA:H141	16:B:1223:CLA:H161	1.87	0.42
6:F:134:LYS:HB2	6:F:137:GLU:HG2	2.01	0.42
11:W:272:TYR:HB3	11:W:300:ARG:HG2	2.00	0.42
16:X:511:CLA:H62	16:X:511:CLA:H41	1.90	0.42
19:Y:601:BCR:H312	14:Y:701:LMG:H131	2.01	0.42
16:a:1013:CLA:CHD	2:b:579:TRP:HE1	2.32	0.42
16:a:1117:CLA:H111	16:a:1117:CLA:H72	1.83	0.42
2:b:203:ARG:HG3	2:b:250:ALA:HB1	2.01	0.42
9:l:14:ASP:OD2	9:l:14:ASP:N	2.52	0.42
11:n:241:ILE:HD12	11:n:241:ILE:HA	1.88	0.42
16:n:511:CLA:H52	19:n:601:BCR:HC41	2.01	0.42
11:o:17:ASN:HB2	16:o:511:CLA:HBA1	2.02	0.42
11:p:68:PRO:HB3	11:p:271:PHE:HB3	2.00	0.42
11:p:149:LEU:HD13	16:p:510:CLA:H2	2.01	0.42
1:H:364:ILE:HG13	1:H:397:GLY:HA3	2.00	0.42
2:G:236:ASP:N	2:G:236:ASP:OD1	2.52	0.42
16:G:1216:CLA:HBB1	16:G:1221:CLA:H61	2.00	0.42
16:G:1238:CLA:H152	16:G:1238:CLA:H112	1.87	0.42
16:s:507:CLA:H11	16:s:511:CLA:H2	2.00	0.42
16:s:517:CLA:HED2	16:s:517:CLA:H2A	2.01	0.42
19:v:603:BCR:H15C	19:v:603:BCR:H351	1.83	0.42
2:B:165:LEU:HD11	2:B:169:LYS:HE2	2.01	0.42
16:B:1216:CLA:HBB1	16:B:1221:CLA:H61	2.00	0.42
19:J:4015:BCR:H311	19:J:4015:BCR:H343	2.01	0.42
9:L:121:SER:HB2	9:U:48:LEU:HD22	2.00	0.42
11:W:88:PRO:HA	11:W:91:VAL:HG12	2.01	0.42
1:a:589:ASP:HA	1:a:592:PHE:HB3	2.00	0.42
1:a:747:SER:HA	1:a:750:ILE:HG12	2.01	0.42
16:a:1109:CLA:H41	16:a:1109:CLA:H61	1.77	0.42
16:o:509:CLA:HBA1	16:o:509:CLA:H3A	1.81	0.42
11:p:298:THR:HG23	11:p:301:ALA:H	1.84	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
11:h:29:ALA:HB2	11:h:110:HIS:HB2	2.01	0.42
11:h:210:VAL:HB	11:h:214:LEU:HD23	2.00	0.42
13:H:849:LHG:H152	16:H:1101:CLA:HMB2	2.00	0.42
16:H:1123:CLA:H162	16:H:1123:CLA:H141	1.79	0.42
11:t:298:THR:HG23	11:t:301:ALA:H	1.84	0.42
19:s:604:BCR:H20C	19:s:604:BCR:H361	1.87	0.42
16:w:516:CLA:H3A	16:w:516:CLA:HBA2	1.41	0.42
11:v:26:LEU:HD22	16:v:512:CLA:HBA2	2.01	0.42
16:v:517:CLA:HED2	16:v:517:CLA:H2A	2.00	0.42
6:f:134:LYS:HB2	6:f:137:GLU:HG2	2.01	0.42
6:Q:27:THR:OG1	6:Q:28:ASN:N	2.52	0.42
8:j:28:GLU:OE1	8:j:31:ARG:NH2	2.52	0.42
1:A:589:ASP:HA	1:A:592:PHE:HB3	2.00	0.42
2:B:254:ILE:HG13	2:B:255:LEU:HG	2.00	0.42
4:D:38:GLN:NE2	4:D:50:MET:SD	2.93	0.42
19:L:4019:BCR:H20C	19:L:4019:BCR:H361	1.79	0.42
16:W:511:CLA:H152	16:W:511:CLA:H111	1.87	0.42
11:X:328:PHE:HB2	11:Y:112:LEU:HD11	2.01	0.42
11:Y:137:GLN:HA	11:Y:140:ILE:HD12	2.02	0.42
2:b:236:ASP:N	2:b:236:ASP:OD1	2.52	0.42
2:b:470:TYR:HA	6:f:6:ASN:HB3	2.01	0.42
2:b:490:TRP:HH2	16:b:1232:CLA:H2A	1.85	0.42
16:o:506:CLA:HBB2	16:o:507:CLA:H151	2.00	0.42
11:p:272:TYR:O	11:p:298:THR:OG1	2.36	0.42
16:p:511:CLA:HBA2	16:p:511:CLA:H3A	1.61	0.42
16:H:1112:CLA:HBA1	16:H:1112:CLA:H3A	1.89	0.42
19:H:4002:BCR:H20C	19:H:4002:BCR:H361	1.88	0.42
4:O:38:GLN:NE2	4:O:50:MET:SD	2.93	0.42
11:w:117:ASP:OD1	11:w:119:SER:OG	2.33	0.42
19:x:603:BCR:H371	19:x:603:BCR:H24C	1.84	0.42
6:f:9:PRO:HA	6:f:44:LEU:HA	2.01	0.42
1:A:579:ARG:NH1	4:D:63:GLU:OE1	2.50	0.42
19:A:4008:BCR:H11C	19:A:4008:BCR:H341	1.92	0.42
16:B:1210:CLA:H191	16:B:1225:CLA:H2	2.01	0.42
16:B:1227:CLA:H3A	16:B:1228:CLA:OBD	2.20	0.42
8:J:28:GLU:OE1	8:J:31:ARG:NH2	2.52	0.42
16:W:509:CLA:H3A	16:W:509:CLA:HBA1	1.82	0.42
16:Y:508:CLA:H41	16:Y:508:CLA:H61	1.85	0.42
19:Y:602:BCR:H15C	19:Y:602:BCR:H351	1.84	0.42
11:y:68:PRO:HB3	11:y:271:PHE:HB3	2.00	0.42
16:y:513:CLA:HBA2	16:y:513:CLA:H3A	1.72	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:b:64:THR:HG23	16:b:1205:CLA:HED2	2.01	0.42
16:b:1210:CLA:H191	16:b:1225:CLA:H2	2.01	0.42
19:b:4005:BCR:H20C	19:b:4005:BCR:H361	1.88	0.42
16:p:502:CLA:H42	19:p:602:BCR:H372	2.01	0.42
11:q:129:HIS:O	11:q:137:GLN:NE2	2.52	0.42
19:r:603:BCR:H20C	19:r:603:BCR:H361	1.87	0.42
16:H:1106:CLA:H121	16:H:1106:CLA:H161	1.86	0.42
16:H:1106:CLA:H91	16:H:1106:CLA:H111	1.90	0.42
16:H:1130:CLA:HBC2	16:H:1137:CLA:HMC2	2.01	0.42
2:G:11:ASP:OD1	3:N:71:ALA:HB2	2.19	0.42
9:U:44:LEU:HD13	9:U:48:LEU:HD23	2.01	0.42
11:t:272:TYR:HB3	11:t:300:ARG:HG3	2.01	0.42
11:u:19:ARG:NH1	16:u:512:CLA:OBD	2.50	0.42
11:u:306:ALA:HA	19:u:601:BCR:H21C	2.01	0.42
16:u:506:CLA:HAB	16:u:507:CLA:H141	2.01	0.42
16:w:517:CLA:H12	16:w:517:CLA:H51	1.87	0.42
1:A:289:TRP:HB2	1:A:292:ASP:HB2	2.01	0.42
16:A:1138:CLA:H2	16:A:1138:CLA:H61	1.74	0.42
2:B:140:VAL:HG13	10:M:14:VAL:HG11	2.00	0.42
19:I:4018:BCR:H402	19:I:4020:BCR:H353	2.01	0.42
9:L:14:ASP:OD2	9:L:14:ASP:N	2.52	0.42
11:W:146:LEU:HD11	16:W:516:CLA:HAB	2.02	0.42
16:X:514:CLA:HED2	16:X:514:CLA:H2A	2.01	0.42
1:a:154:ASP:OD1	1:a:154:ASP:N	2.51	0.42
1:a:289:TRP:HB2	1:a:292:ASP:HB2	2.01	0.42
16:a:1138:CLA:H61	16:a:1138:CLA:H2	1.74	0.42
19:b:4006:BCR:H15C	19:b:4006:BCR:H351	1.89	0.42
4:d:8:PRO:HA	4:d:9:PRO:HD3	1.95	0.42
11:n:26:LEU:HB3	16:n:512:CLA:HMA1	2.01	0.42
19:o:602:BCR:H15C	19:o:602:BCR:H351	1.85	0.42
19:p:601:BCR:H371	19:p:601:BCR:H24C	1.78	0.42
19:q:603:BCR:H15C	19:q:603:BCR:H351	1.85	0.42
1:H:747:SER:HA	1:H:750:ILE:HG12	2.01	0.42
16:U:1501:CLA:H161	16:U:1501:CLA:H122	1.89	0.42
16:t:517:CLA:HBA1	16:t:517:CLA:H3A	1.73	0.42
11:u:316:GLN:HA	11:u:319:LEU:HB2	2.02	0.42
16:v:508:CLA:H3A	16:v:508:CLA:HBA2	1.48	0.42
16:A:1104:CLA:H193	16:A:1104:CLA:H161	1.91	0.42
16:A:1106:CLA:HBA2	16:A:1106:CLA:H3A	1.44	0.42
2:B:147:SER:HB3	10:M:18:PRO:HG3	2.01	0.42
16:B:1229:CLA:HAB	16:B:1230:CLA:C2B	2.49	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
19:B:4006:BCR:H15C	19:B:4006:BCR:H351	1.89	0.42
16:W:508:CLA:H3A	16:W:508:CLA:O2A	2.20	0.42
11:Y:260:CYS:O	11:Y:300:ARG:NH1	2.48	0.42
19:Y:603:BCR:H24C	19:Y:603:BCR:H371	1.90	0.42
11:g:70:LEU:HD21	16:g:504:CLA:HED2	2.00	0.42
1:a:579:ARG:NH1	4:d:63:GLU:OE1	2.49	0.42
19:a:4007:BCR:H11C	19:a:4007:BCR:H341	1.92	0.42
16:b:1203:CLA:H92	16:b:1203:CLA:H62	1.85	0.42
19:b:4009:BCR:H15C	19:b:4009:BCR:H351	1.90	0.42
11:n:121:LEU:HD22	11:n:125:GLY:HA3	2.02	0.42
11:p:254:PHE:HE2	11:p:315:LEU:HD22	1.84	0.42
19:R:4018:BCR:H15C	19:R:4018:BCR:H351	1.89	0.42
11:u:263:ASN:O	11:u:300:ARG:NH1	2.52	0.42
19:v:604:BCR:H20C	19:v:604:BCR:H361	1.91	0.42
16:A:1104:CLA:H2	16:A:1104:CLA:H61	1.74	0.42
16:A:1120:CLA:H3A	16:A:1120:CLA:HBA2	1.35	0.42
16:X:509:CLA:H62	16:X:509:CLA:H2	1.66	0.42
19:X:601:BCR:H24C	19:X:601:BCR:H371	1.86	0.42
11:Y:280:LEU:HA	11:Y:284:PRO:HA	2.01	0.42
11:Z:272:TYR:O	11:Z:298:THR:OG1	2.38	0.42
16:Z:515:CLA:HBA1	11:g:109:PHE:HB2	2.01	0.42
19:Z:601:BCR:H11C	19:Z:601:BCR:H341	1.93	0.42
16:a:1120:CLA:H3A	16:a:1120:CLA:HBA2	1.35	0.42
19:a:4011:BCR:H14C	16:b:1012:CLA:H121	2.02	0.42
4:d:77:LYS:HA	4:d:77:LYS:HD3	1.86	0.42
11:n:28:ILE:HG12	16:n:502:CLA:HAC2	2.01	0.42
16:p:517:CLA:HED2	16:p:517:CLA:H2A	2.02	0.42
19:p:603:BCR:H15C	19:p:603:BCR:H351	1.89	0.42
16:r:508:CLA:H43	16:r:508:CLA:HBA2	2.02	0.42
1:H:671:MET:HG3	1:H:737:VAL:HG13	2.01	0.42
19:H:4011:BCR:H14C	16:G:1012:CLA:H121	2.02	0.42
16:G:1023:CLA:H143	16:G:1023:CLA:H111	1.85	0.42
16:t:505:CLA:H111	16:t:505:CLA:H93	1.89	0.42
16:u:507:CLA:HAA2	16:u:509:CLA:HBB1	2.02	0.42
19:S:4015:BCR:H311	19:S:4015:BCR:H343	2.01	0.42
1:A:561:LEU:HD21	1:A:582:THR:HG22	2.01	0.42
1:A:660:SER:OG	1:A:660:SER:O	2.35	0.42
16:A:1013:CLA:CHD	2:B:579:TRP:HE1	2.32	0.42
2:B:64:THR:HG23	16:B:1205:CLA:HED2	2.01	0.42
2:B:616:TRP:HB3	16:B:1021:CLA:H91	2.02	0.42
2:B:667:TYR:OH	16:B:1023:CLA:OBD	2.34	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
16:B:1222:CLA:CAD	16:B:1234:CLA:HBB1	2.50	0.42
16:B:1235:CLA:H3A	16:B:1235:CLA:HBA2	1.75	0.42
16:W:507:CLA:H143	16:W:507:CLA:H111	1.90	0.42
11:Y:92:ILE:HG12	16:Y:504:CLA:HMA2	2.01	0.42
11:Z:26:LEU:HB3	16:Z:512:CLA:HMA1	2.01	0.42
1:a:671:MET:HG3	1:a:737:VAL:HG13	2.01	0.42
19:a:4011:BCR:H24C	16:b:1230:CLA:HMC2	2.00	0.42
16:b:1238:CLA:HAB	17:b:2002:PQN:H162	2.01	0.42
19:i:4018:BCR:H402	19:i:4020:BCR:H353	2.01	0.42
16:H:1102:CLA:H11	16:H:1102:CLA:H51	1.85	0.42
2:G:375:TYR:HA	2:G:584:LEU:HD13	2.01	0.42
16:G:1238:CLA:H41	16:G:1238:CLA:H62	1.81	0.42
11:t:59:MET:HE2	11:t:271:PHE:HB3	2.02	0.42
11:t:87:TYR:HA	11:t:90:PHE:HB2	2.02	0.42
5:e:42:ASP:OD2	5:e:42:ASP:N	2.47	0.42
6:Q:7:LEU:HB2	6:Q:44:LEU:HD12	2.01	0.42
6:Q:134:LYS:HB2	6:Q:137:GLU:HG2	2.01	0.42
8:S:28:GLU:OE1	8:S:31:ARG:NH2	2.52	0.42
1:A:325:LEU:HD12	1:A:341:TYR:HB2	2.01	0.42
16:A:1127:CLA:HBA2	16:A:1127:CLA:H3A	1.69	0.42
16:A:1131:CLA:HAB	16:A:1132:CLA:HHB	2.02	0.42
19:A:4011:BCR:H14C	16:B:1012:CLA:H121	2.02	0.42
2:B:66:PHE:HZ	10:M:8:ILE:HG23	1.84	0.42
2:B:409:MET:HE2	2:B:409:MET:HB2	1.93	0.42
16:L:1502:CLA:H3A	16:L:1502:CLA:HBA2	1.64	0.42
16:Y:511:CLA:H43	16:Y:512:CLA:HAC1	2.01	0.42
16:Z:506:CLA:HMB2	16:Z:514:CLA:HAB	2.02	0.42
16:g:507:CLA:H62	16:g:507:CLA:H41	1.79	0.42
16:y:508:CLA:HBA2	16:y:508:CLA:H3A	1.39	0.42
1:a:221:MET:HE1	1:a:274:PHE:HD2	1.85	0.42
1:a:364:ILE:HG13	1:a:397:GLY:HA3	2.01	0.42
2:b:309:LYS:O	16:b:1240:CLA:HBB1	2.20	0.42
16:b:1210:CLA:H2	16:b:1210:CLA:H62	1.87	0.42
16:b:1217:CLA:HBA2	16:b:1217:CLA:H3A	1.63	0.42
4:d:38:GLN:NE2	4:d:50:MET:SD	2.93	0.42
11:p:118:LEU:HA	11:p:121:LEU:HD23	2.02	0.42
11:q:242:LEU:HD22	16:q:509:CLA:HBC3	2.01	0.42
16:q:508:CLA:HBA2	16:q:508:CLA:H43	2.01	0.42
19:q:601:BCR:H11C	19:q:601:BCR:H341	1.94	0.42
19:q:603:BCR:H20C	19:q:603:BCR:H361	1.86	0.42
16:H:1117:CLA:HBA2	16:H:1117:CLA:H3A	1.58	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
16:H:1140:CLA:H61	16:H:1140:CLA:H41	1.93	0.42
16:t:510:CLA:H92	16:t:510:CLA:H62	1.90	0.42
11:u:21:ALA:O	11:u:132:TRP:NE1	2.46	0.42
19:u:602:BCR:H20C	19:u:602:BCR:H361	1.86	0.42
11:x:141:ILE:HG12	16:x:502:CLA:HMC2	2.02	0.42
6:f:7:LEU:HB2	6:f:44:LEU:HD12	2.01	0.42
1:A:221:MET:HE1	1:A:274:PHE:HD2	1.85	0.42
16:A:1130:CLA:HMB2	16:A:1237:CLA:HED3	2.02	0.42
16:B:1023:CLA:H141	16:B:1023:CLA:H162	1.89	0.42
19:B:4017:BCR:H15C	19:B:4017:BCR:H351	1.89	0.42
11:W:203:LEU:O	11:W:207:HIS:ND1	2.53	0.42
19:Y:601:BCR:H15C	19:Y:601:BCR:H351	1.94	0.42
16:g:507:CLA:H42	16:g:511:CLA:H61	2.01	0.42
1:a:323:GLU:HA	1:a:326:GLU:HB2	2.02	0.42
2:b:375:TYR:HA	2:b:584:LEU:HD13	2.01	0.42
11:q:181:THR:HG23	11:q:205:GLY:HA3	2.00	0.42
1:H:394:MET:HE2	1:H:605:VAL:HG11	2.01	0.42
16:G:1203:CLA:H92	16:G:1203:CLA:H62	1.85	0.42
16:G:1222:CLA:CAD	16:G:1234:CLA:HBB1	2.50	0.42
16:G:1223:CLA:H141	16:G:1223:CLA:H161	1.86	0.42
16:G:1227:CLA:H3A	16:G:1228:CLA:OBD	2.20	0.42
19:U:4022:BCR:H20C	19:U:4022:BCR:H361	1.81	0.42
16:v:507:CLA:H41	16:v:507:CLA:H62	1.81	0.42
1:A:671:MET:HG3	1:A:737:VAL:HG13	2.01	0.41
16:A:1134:CLA:H3A	16:A:1134:CLA:HBA2	1.50	0.41
11:X:166:LEU:N	11:X:175:ARG:O	2.52	0.41
11:X:339:SER:O	11:X:339:SER:OG	2.35	0.41
11:g:109:PHE:HE1	11:g:113:ARG:HD2	1.85	0.41
16:y:507:CLA:H13	16:y:507:CLA:H102	1.87	0.41
1:a:376:TYR:OH	16:a:1127:CLA:OBD	2.38	0.41
1:a:561:LEU:HD21	1:a:582:THR:HG22	2.01	0.41
16:a:1123:CLA:H162	16:a:1123:CLA:H141	1.79	0.41
2:b:165:LEU:HD11	2:b:169:LYS:HE2	2.01	0.41
4:d:101:ASP:OD2	4:d:109:ASN:ND2	2.53	0.41
11:r:293:PRO:HG2	11:r:294:MET:HE3	2.02	0.41
1:H:221:MET:HE1	1:H:274:PHE:HD2	1.85	0.41
16:H:1113:CLA:HBA2	16:H:1113:CLA:H3A	1.36	0.41
2:G:470:TYR:HA	6:Q:6:ASN:HB3	2.01	0.41
9:U:14:ASP:OD2	9:U:14:ASP:N	2.52	0.41
16:u:516:CLA:HBA2	16:u:516:CLA:H3A	1.49	0.41
11:x:254:PHE:HE2	11:x:315:LEU:HD22	1.84	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:236:ASP:OD1	2:B:236:ASP:N	2.52	0.41
2:B:478:ASN:ND2	2:B:480:ASP:OD2	2.49	0.41
2:B:692:ASP:OD1	2:B:692:ASP:N	2.43	0.41
16:B:1235:CLA:HBC2	19:J:4015:BCR:H312	2.02	0.41
19:Z:602:BCR:HC7	19:Z:602:BCR:H10C	1.86	0.41
1:a:120:ILE:HG13	1:a:121:VAL:HG13	2.02	0.41
16:a:1136:CLA:H111	16:a:1136:CLA:H72	1.94	0.41
2:b:616:TRP:HB3	16:b:1021:CLA:H91	2.02	0.41
16:l:1503:CLA:H61	16:l:1503:CLA:H93	1.81	0.41
16:o:511:CLA:H3A	16:o:511:CLA:HBA2	1.78	0.41
11:p:97:LEU:HD12	11:p:97:LEU:HA	1.94	0.41
11:p:279:LYS:HG3	11:q:51:SER:HB2	2.02	0.41
16:q:517:CLA:H12	16:q:517:CLA:H51	1.81	0.41
1:H:120:ILE:HG13	1:H:121:VAL:HG13	2.02	0.41
1:A:456:ILE:HD13	16:A:1022:CLA:H92	2.03	0.41
16:B:1224:CLA:H3A	16:B:1224:CLA:HBA2	1.69	0.41
19:L:4022:BCR:H363	16:U:1501:CLA:HAA2	2.01	0.41
11:Z:237:SER:OG	11:Z:238:GLY:N	2.53	0.41
11:y:214:LEU:HD11	16:y:510:CLA:H61	2.01	0.41
19:a:4002:BCR:H11C	19:a:4002:BCR:H341	1.94	0.41
16:b:1204:CLA:H2	16:b:1204:CLA:H61	1.85	0.41
16:b:1220:CLA:HMD3	16:b:1221:CLA:HHC	2.02	0.41
19:b:4010:BCR:H11C	19:b:4010:BCR:H341	1.92	0.41
19:o:601:BCR:H371	19:o:601:BCR:H24C	1.79	0.41
16:h:506:CLA:H92	16:h:506:CLA:H62	1.89	0.41
1:H:458:ASN:HD22	1:H:471:PHE:HB2	1.85	0.41
2:G:165:LEU:HD11	2:G:169:LYS:HE2	2.01	0.41
16:G:1203:CLA:H112	16:G:1203:CLA:H71	1.81	0.41
16:G:1236:CLA:H41	16:G:1236:CLA:H62	1.62	0.41
16:G:1238:CLA:HAB	17:G:2002:PQN:H162	2.01	0.41
19:G:4017:BCR:H20C	19:G:4017:BCR:H361	1.80	0.41
16:w:505:CLA:H41	16:w:505:CLA:H61	1.89	0.41
16:w:513:CLA:HED2	16:w:513:CLA:H2A	2.01	0.41
16:x:507:CLA:H101	16:x:507:CLA:H62	1.79	0.41
16:A:1107:CLA:HAB	16:B:1230:CLA:HMD2	2.02	0.41
16:A:1138:CLA:H3A	16:A:1138:CLA:HBA2	1.77	0.41
16:A:1237:CLA:H192	9:L:61:LEU:HD11	2.02	0.41
16:A:1402:CLA:O2A	12:K:28:ASN:ND2	2.54	0.41
2:B:18:THR:HG22	2:B:695:VAL:H	1.86	0.41
2:B:490:TRP:HH2	16:B:1232:CLA:H2A	1.85	0.41
16:W:509:CLA:H142	16:W:509:CLA:H111	1.87	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
16:X:511:CLA:HBA2	16:X:511:CLA:H3A	1.66	0.41
11:Z:118:LEU:HD23	11:Z:129:HIS:HA	2.02	0.41
11:g:91:VAL:HG23	19:g:602:BCR:HC22	2.02	0.41
16:g:515:CLA:H43	19:g:603:BCR:H311	2.02	0.41
1:a:80:LEU:HD12	1:a:80:LEU:HA	1.90	0.41
2:b:304:ILE:O	2:b:308:HIS:ND1	2.45	0.41
11:n:260:CYS:HB2	11:n:304:ALA:HB2	2.02	0.41
16:q:513:CLA:HBB1	19:r:602:BCR:H341	2.02	0.41
11:r:50:ILE:HD12	11:r:86:THR:HG23	2.02	0.41
11:r:260:CYS:O	11:r:300:ARG:NH1	2.47	0.41
2:G:203:ARG:HG3	2:G:250:ALA:HB1	2.01	0.41
2:G:304:ILE:O	2:G:308:HIS:ND1	2.45	0.41
4:O:77:LYS:HA	4:O:77:LYS:HD3	1.86	0.41
11:x:70:LEU:HD21	16:x:504:CLA:HED2	2.02	0.41
11:x:117:ASP:OD2	11:x:119:SER:OG	2.37	0.41
6:Q:9:PRO:HA	6:Q:44:LEU:HA	2.01	0.41
19:j:4015:BCR:H15C	19:j:4015:BCR:H351	1.81	0.41
1:A:323:GLU:HA	1:A:326:GLU:HB2	2.02	0.41
1:A:394:MET:HE2	1:A:605:VAL:HG11	2.01	0.41
16:A:1132:CLA:HHD	16:B:1206:CLA:HBB2	2.02	0.41
2:B:309:LYS:O	16:B:1240:CLA:HBB1	2.20	0.41
2:B:436:VAL:HG12	16:B:1230:CLA:HAC1	2.03	0.41
16:B:1204:CLA:H162	16:B:1204:CLA:H141	1.87	0.41
11:Y:18:ALA:HB2	16:Y:511:CLA:HAA2	2.02	0.41
11:Y:97:LEU:HD12	11:Y:97:LEU:HA	1.92	0.41
16:Y:511:CLA:H161	16:Y:511:CLA:H141	1.85	0.41
11:Z:132:TRP:HA	11:Z:138:LEU:HD11	2.01	0.41
19:y:604:BCR:H351	19:y:604:BCR:H15C	1.95	0.41
1:a:394:MET:HE2	1:a:605:VAL:HG11	2.01	0.41
1:a:565:LYS:NZ	2:b:670:GLU:OE2	2.45	0.41
16:a:1128:CLA:H192	16:a:1128:CLA:H162	1.91	0.41
16:b:1222:CLA:CAD	16:b:1234:CLA:HBB1	2.50	0.41
19:i:4018:BCR:H11C	19:i:4018:BCR:H341	1.95	0.41
16:n:509:CLA:HBA1	16:n:509:CLA:H3A	1.79	0.41
16:n:515:CLA:H111	16:n:515:CLA:H91	1.80	0.41
11:q:97:LEU:HD23	11:q:97:LEU:HA	1.92	0.41
16:H:1022:CLA:H162	16:H:1022:CLA:H202	1.86	0.41
2:G:64:THR:HG23	16:G:1205:CLA:HED2	2.01	0.41
2:G:309:LYS:O	16:G:1240:CLA:HBB1	2.20	0.41
2:G:350:MET:HE2	2:G:350:MET:HB3	1.77	0.41
16:G:1220:CLA:HBA1	19:G:4009:BCR:H16C	2.03	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
4:O:82:ASP:N	4:O:82:ASP:OD1	2.53	0.41
4:O:101:ASP:OD2	4:O:109:ASN:ND2	2.53	0.41
11:u:326:LEU:HD21	11:s:113:ARG:HE	1.85	0.41
1:A:120:ILE:HG13	1:A:121:VAL:HG13	2.02	0.41
1:A:684:MET:HE2	1:A:684:MET:HB3	1.82	0.41
9:L:44:LEU:HD13	9:L:48:LEU:HD23	2.01	0.41
11:X:168:ASP:OD2	11:X:170:THR:OG1	2.39	0.41
19:X:603:BCR:H15C	19:X:603:BCR:H351	1.88	0.41
11:g:149:LEU:HD12	16:g:505:CLA:HMC3	2.03	0.41
11:g:168:ASP:OD2	11:g:170:THR:OG1	2.35	0.41
1:a:458:ASN:HD22	1:a:471:PHE:HB2	1.85	0.41
16:a:1133:CLA:H41	16:a:1133:CLA:H61	1.79	0.41
16:b:1236:CLA:H41	16:b:1236:CLA:H62	1.62	0.41
19:k:1501:BCR:H15C	19:k:1501:BCR:H351	1.89	0.41
11:r:19:ARG:NH1	16:r:512:CLA:OBD	2.53	0.41
11:r:298:THR:HG23	11:r:301:ALA:H	1.84	0.41
16:r:516:CLA:H3A	16:r:516:CLA:HBA2	1.69	0.41
1:H:456:ILE:HD13	16:H:1022:CLA:H92	2.03	0.41
16:H:1104:CLA:H143	16:H:1104:CLA:H111	1.91	0.41
16:H:1130:CLA:HMB2	16:H:1237:CLA:HED3	2.02	0.41
2:G:490:TRP:HH2	16:G:1232:CLA:H2A	1.84	0.41
16:G:1021:CLA:H62	16:G:1021:CLA:H101	1.65	0.41
11:t:241:ILE:HD11	16:t:510:CLA:C4C	2.50	0.41
16:t:505:CLA:HBC1	16:t:506:CLA:H71	2.02	0.41
19:u:601:BCR:H15C	19:u:601:BCR:H351	1.96	0.41
11:s:68:PRO:HB3	11:s:271:PHE:HB3	2.01	0.41
16:s:509:CLA:HBA1	16:s:509:CLA:H3A	1.77	0.41
11:x:97:LEU:HD23	11:x:97:LEU:HA	1.96	0.41
5:e:13:ARG:HA	5:e:13:ARG:HD3	1.97	0.41
5:P:13:ARG:HA	5:P:13:ARG:HD3	1.97	0.41
2:B:142:LEU:HD23	2:B:142:LEU:HA	1.86	0.41
2:B:203:ARG:HG3	2:B:250:ALA:HB1	2.01	0.41
2:B:239:THR:OG1	2:B:240:ALA:N	2.54	0.41
14:B:848:LMG:H291	16:B:1226:CLA:H42	2.03	0.41
4:D:82:ASP:N	4:D:82:ASP:OD1	2.53	0.41
11:y:246:LEU:HD11	16:y:511:CLA:HAB	2.03	0.41
1:a:707:LEU:HD13	19:f:4016:BCR:H321	2.03	0.41
2:b:18:THR:HG22	2:b:695:VAL:H	1.86	0.41
16:b:1227:CLA:H3A	16:b:1228:CLA:OBD	2.20	0.41
19:m:4021:BCR:H24C	19:m:4021:BCR:H371	1.84	0.41
11:r:168:ASP:OD2	11:r:170:THR:OG1	2.39	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
16:r:509:CLA:H91	16:r:509:CLA:H112	1.92	0.41
1:H:472:SER:H	1:H:475:ALA:HB3	1.85	0.41
16:H:1131:CLA:H91	17:G:2002:PQN:H221	2.01	0.41
16:H:1133:CLA:H41	16:H:1133:CLA:H61	1.79	0.41
19:H:4001:BCR:H11C	19:H:4001:BCR:H341	1.91	0.41
2:G:409:MET:HE2	2:G:409:MET:HB2	1.93	0.41
2:G:672:ILE:HD11	17:G:2002:PQN:H143	2.03	0.41
16:t:510:CLA:H52	16:t:516:CLA:HBB2	2.02	0.41
16:u:511:CLA:H3A	16:u:511:CLA:HBA2	1.79	0.41
11:s:187:ILE:HG23	19:s:603:BCR:H382	2.03	0.41
19:s:601:BCR:H24C	19:s:601:BCR:H371	1.77	0.41
16:w:502:CLA:H43	19:w:602:BCR:H372	2.03	0.41
16:w:508:CLA:HBA2	16:w:508:CLA:H3A	1.61	0.41
19:w:603:BCR:H20C	19:w:603:BCR:H361	1.88	0.41
11:v:249:ILE:HG13	16:v:506:CLA:HAC1	2.02	0.41
19:f:4016:BCR:H20C	19:f:4016:BCR:H361	1.86	0.41
19:j:4012:BCR:H15C	19:j:4012:BCR:H351	1.89	0.41
2:B:596:LEU:HD23	2:B:596:LEU:HA	1.91	0.41
16:B:1210:CLA:H2	16:B:1210:CLA:H62	1.88	0.41
19:J:4015:BCR:H15C	19:J:4015:BCR:H351	1.81	0.41
11:Z:210:VAL:HA	11:Z:213:LEU:HG	2.03	0.41
19:Z:601:BCR:H371	19:Z:601:BCR:H24C	1.82	0.41
19:g:602:BCR:H20C	19:g:602:BCR:H361	1.89	0.41
11:y:198:SER:HA	11:y:265:LEU:HD11	2.03	0.41
1:a:429:MET:HA	1:a:432:HIS:CE1	2.56	0.41
1:a:472:SER:H	1:a:475:ALA:HB3	1.85	0.41
16:a:1107:CLA:HAB	16:b:1230:CLA:HMD2	2.02	0.41
16:a:1117:CLA:HBA2	16:a:1117:CLA:H3A	1.58	0.41
16:p:515:CLA:H41	16:p:515:CLA:H62	1.90	0.41
16:r:502:CLA:H2	19:r:602:BCR:H372	2.03	0.41
19:r:603:BCR:H24C	19:r:603:BCR:H371	1.84	0.41
11:h:192:THR:OG1	11:h:193:HIS:ND1	2.53	0.41
16:H:1131:CLA:H2	16:H:1131:CLA:H61	1.77	0.41
16:H:1136:CLA:H111	16:H:1136:CLA:H72	1.94	0.41
16:H:1136:CLA:HBC1	14:H:4201:LMG:H161	2.02	0.41
2:G:616:TRP:HB3	16:G:1021:CLA:H91	2.02	0.41
16:G:1206:CLA:H193	16:G:1206:CLA:H161	1.89	0.41
17:G:2002:PQN:H302	17:G:2002:PQN:H261	1.81	0.41
4:O:115:GLN:N	3:N:41:SER:OG	2.53	0.41
11:t:141:ILE:HD12	16:t:502:CLA:HBC3	2.03	0.41
11:u:45:PHE:HA	11:u:48:PHE:HB3	2.02	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
11:u:197:ILE:H	11:u:265:LEU:HD21	1.84	0.41
19:u:601:BCR:H11C	19:u:601:BCR:H341	1.95	0.41
16:s:511:CLA:H141	16:s:511:CLA:H161	1.87	0.41
19:s:602:BCR:H24C	19:s:602:BCR:H371	1.89	0.41
16:w:508:CLA:HBA2	16:w:508:CLA:H43	2.02	0.41
11:x:303:LEU:HD23	11:x:303:LEU:HA	1.92	0.41
16:x:507:CLA:H143	16:x:507:CLA:H111	1.85	0.41
11:v:147:LEU:O	11:v:151:ALA:N	2.50	0.41
19:v:601:BCR:H15C	19:v:601:BCR:H351	1.93	0.41
6:f:102:VAL:HA	8:j:10:THR:HA	2.03	0.41
19:j:4015:BCR:H343	19:j:4015:BCR:H311	2.01	0.41
1:A:472:SER:H	1:A:475:ALA:HB3	1.85	0.41
16:A:1121:CLA:HBA2	16:A:1121:CLA:H12	1.89	0.41
2:B:190:TRP:HD1	2:B:277:HIS:CD2	2.39	0.41
16:B:1238:CLA:H152	16:B:1238:CLA:H112	1.87	0.41
16:B:1238:CLA:HAB	17:B:2002:PQN:H162	2.01	0.41
19:I:4018:BCR:H20C	19:I:4018:BCR:H361	1.88	0.41
16:L:1502:CLA:H112	16:L:1502:CLA:H91	1.88	0.41
19:L:4019:BCR:H15C	19:L:4019:BCR:H351	1.95	0.41
11:W:305:ASN:HD22	19:W:601:BCR:H272	1.86	0.41
11:X:128:PHE:HE1	16:X:502:CLA:HBB1	1.86	0.41
11:X:214:LEU:HD23	11:X:214:LEU:HA	1.89	0.41
11:Y:261:ALA:HB1	11:Y:276:LEU:HB2	2.02	0.41
19:Y:601:BCR:H11C	19:Y:601:BCR:H341	1.95	0.41
1:a:456:ILE:HD13	16:a:1022:CLA:H92	2.03	0.41
1:a:641:THR:HB	1:a:644:GLY:H	1.86	0.41
16:a:1106:CLA:H91	16:a:1106:CLA:H111	1.90	0.41
16:a:1119:CLA:HBC3	16:a:1125:CLA:H18	2.03	0.41
16:a:1131:CLA:HAB	16:a:1132:CLA:HHB	2.02	0.41
16:a:1139:CLA:HED1	6:f:86:TYR:HE2	1.86	0.41
16:a:1140:CLA:HBA2	16:a:1140:CLA:H3A	1.63	0.41
19:a:4007:BCR:H361	19:a:4007:BCR:H20C	1.82	0.41
2:b:106:GLN:H	2:b:106:GLN:HG2	1.70	0.41
2:b:672:ILE:HD11	17:b:2002:PQN:H143	2.03	0.41
16:b:1236:CLA:H141	16:b:1236:CLA:H161	1.84	0.41
4:d:82:ASP:OD1	4:d:82:ASP:N	2.53	0.41
11:n:313:PHE:HE1	19:n:601:BCR:H17C	1.86	0.41
11:n:315:LEU:HD11	16:n:515:CLA:HAB	2.02	0.41
11:o:319:LEU:HD23	11:o:319:LEU:HA	1.91	0.41
16:o:509:CLA:H62	16:o:509:CLA:H2	1.72	0.41
19:o:603:BCR:H20C	19:o:603:BCR:H361	1.85	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
11:q:118:LEU:HD12	11:q:118:LEU:HA	1.96	0.41
11:h:62:GLN:HG3	11:h:64:LEU:HD13	2.02	0.41
11:h:249:ILE:HG12	16:h:506:CLA:HAC1	2.02	0.41
16:h:504:CLA:H102	16:h:504:CLA:H61	1.88	0.41
1:H:323:GLU:HA	1:H:326:GLU:HB2	2.02	0.41
1:H:429:MET:HA	1:H:432:HIS:CE1	2.56	0.41
1:H:681:PHE:HZ	16:H:1140:CLA:HBC2	1.86	0.41
16:H:1013:CLA:CHD	2:G:579:TRP:HE1	2.34	0.41
16:H:1013:CLA:HMD3	2:G:530:ILE:HG12	2.03	0.41
2:G:190:TRP:HD1	2:G:277:HIS:CD2	2.39	0.41
2:G:476:LEU:HD23	2:G:476:LEU:HA	1.91	0.41
16:G:1220:CLA:HMD3	16:G:1221:CLA:HHC	2.02	0.41
19:G:4010:BCR:H11C	19:G:4010:BCR:H341	1.92	0.41
4:O:19:LEU:HD23	4:O:19:LEU:HA	1.89	0.41
11:t:214:LEU:HD21	16:t:510:CLA:H71	2.03	0.41
16:t:505:CLA:HBB2	16:t:510:CLA:H62	2.03	0.41
11:s:88:PRO:HA	11:s:91:VAL:HG12	2.03	0.41
11:s:129:HIS:O	11:s:137:GLN:NE2	2.54	0.41
16:w:513:CLA:HBA2	16:w:513:CLA:H3A	1.52	0.41
1:A:482:PHE:HB3	16:A:1135:CLA:H12	2.03	0.41
16:A:1109:CLA:H91	16:A:1109:CLA:H112	1.93	0.41
16:A:1131:CLA:H171	17:B:2002:PQN:H271	2.03	0.41
2:B:64:THR:HG21	2:B:120:VAL:HG11	2.03	0.41
11:W:303:LEU:HD23	11:W:303:LEU:HA	1.91	0.41
16:X:502:CLA:HED2	16:X:502:CLA:H12	2.03	0.41
16:X:517:CLA:H62	16:X:517:CLA:H41	1.74	0.41
11:g:19:ARG:NH1	16:g:512:CLA:OBD	2.54	0.41
11:y:19:ARG:NH1	16:y:512:CLA:OBD	2.54	0.41
11:y:66:LEU:HA	11:y:69:HIS:HB2	2.02	0.41
11:y:246:LEU:HA	11:y:246:LEU:HD12	1.86	0.41
2:b:123:TRP:O	2:b:127:ILE:HG12	2.21	0.41
11:o:246:LEU:HA	11:o:249:ILE:HG22	2.02	0.41
1:H:389:LEU:HD23	1:H:389:LEU:HA	1.95	0.41
1:H:641:THR:HB	1:H:644:GLY:H	1.86	0.41
16:H:1117:CLA:H72	16:H:1117:CLA:H111	1.84	0.41
2:G:239:THR:OG1	2:G:240:ALA:N	2.54	0.41
11:t:121:LEU:HD22	11:t:125:GLY:HA3	2.03	0.41
11:w:207:HIS:HA	11:w:210:VAL:HG12	2.03	0.41
11:v:28:ILE:HD13	16:v:502:CLA:HBC3	2.03	0.41
11:v:131:THR:OG1	11:v:132:TRP:N	2.53	0.41
2:B:455:PRO:HB3	2:B:514:PHE:HB2	2.03	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
16:B:1205:CLA:H3A	16:B:1205:CLA:HBA2	1.86	0.40
19:B:4010:BCR:H20C	19:B:4010:BCR:H361	1.79	0.40
16:W:515:CLA:H142	16:W:515:CLA:H112	1.88	0.40
19:X:602:BCR:H11C	19:X:602:BCR:H341	1.91	0.40
11:Y:230:ALA:HA	11:Y:233:VAL:HG12	2.03	0.40
19:Z:603:BCR:H20C	19:Z:603:BCR:H361	1.86	0.40
11:y:214:LEU:HD21	16:y:510:CLA:H93	2.03	0.40
1:a:76:HIS:HB3	16:a:1111:CLA:HED2	2.04	0.40
1:a:173:LEU:HD23	1:a:173:LEU:HA	1.90	0.40
1:a:598:MET:HE3	1:a:598:MET:HB3	2.00	0.40
1:a:718:LEU:HB3	1:a:722:GLN:HG2	2.03	0.40
16:a:1104:CLA:H193	16:a:1104:CLA:H161	1.91	0.40
16:a:1132:CLA:HHD	16:b:1206:CLA:HBB2	2.03	0.40
2:b:190:TRP:HD1	2:b:277:HIS:CD2	2.39	0.40
2:b:208:GLY:H	2:b:211:ASN:HB3	1.86	0.40
19:b:4006:BCR:H20C	19:b:4006:BCR:H361	1.85	0.40
19:i:4018:BCR:H15C	19:i:4018:BCR:H351	1.89	0.40
11:o:267:TYR:O	11:o:300:ARG:NH2	2.53	0.40
11:r:159:LYS:HA	11:r:163:TRP:HB2	2.02	0.40
1:H:718:LEU:HB3	1:H:722:GLN:HG2	2.03	0.40
16:H:1127:CLA:H3A	16:H:1127:CLA:HBA2	1.69	0.40
16:H:1131:CLA:HAB	16:H:1132:CLA:HHB	2.02	0.40
19:H:4011:BCR:H24C	16:G:1230:CLA:HMC2	2.03	0.40
2:G:455:PRO:HB3	2:G:514:PHE:HB2	2.03	0.40
19:G:4005:BCR:H11C	19:G:4005:BCR:H341	1.92	0.40
19:U:4022:BCR:H11C	19:U:4022:BCR:H341	1.97	0.40
11:t:22:ASP:OD2	11:t:23:GLN:NE2	2.53	0.40
11:u:195:ALA:O	11:u:263:ASN:ND2	2.53	0.40
19:u:601:BCR:H371	19:u:601:BCR:H24C	1.80	0.40
19:u:604:BCR:H15C	19:u:604:BCR:H351	1.95	0.40
11:s:316:GLN:HA	11:s:319:LEU:HB2	2.01	0.40
16:s:509:CLA:H62	16:s:509:CLA:H2	1.78	0.40
19:s:603:BCR:H20C	19:s:603:BCR:H361	1.88	0.40
11:w:85:ASP:OD1	11:w:85:ASP:N	2.54	0.40
11:v:274:PRO:HD2	11:v:298:THR:HG21	2.03	0.40
6:Q:59:PHE:HA	6:Q:62:ALA:HB2	2.03	0.40
19:S:4012:BCR:H15C	19:S:4012:BCR:H351	1.89	0.40
16:A:1102:CLA:HBD	16:A:1109:CLA:H2	2.03	0.40
16:A:1131:CLA:H102	16:A:1131:CLA:H62	1.77	0.40
16:A:1140:CLA:H61	16:A:1140:CLA:H41	1.93	0.40
2:B:208:GLY:H	2:B:211:ASN:HB3	1.86	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:621:LEU:HD11	16:B:1021:CLA:H72	2.03	0.40
16:B:1220:CLA:HBA1	19:B:4009:BCR:H16C	2.03	0.40
19:B:4004:BCR:H11C	19:B:4004:BCR:H341	1.97	0.40
6:F:59:PHE:HA	6:F:62:ALA:HB2	2.03	0.40
16:W:515:CLA:H111	16:W:515:CLA:H91	1.78	0.40
11:X:166:LEU:HD23	11:X:200:LEU:HD21	2.03	0.40
11:Z:117:ASP:OD2	11:Z:119:SER:OG	2.35	0.40
16:a:1140:CLA:H102	16:a:1140:CLA:H61	1.57	0.40
2:b:239:THR:OG1	2:b:240:ALA:N	2.54	0.40
16:b:1206:CLA:H162	16:b:1206:CLA:H121	1.88	0.40
16:b:1222:CLA:HBA2	16:b:1222:CLA:H3A	1.80	0.40
9:l:23:PRO:HA	9:l:27:SER:HB3	2.03	0.40
16:n:508:CLA:HED3	16:n:508:CLA:HAA2	2.03	0.40
11:p:230:ALA:HA	11:p:233:VAL:HG12	2.03	0.40
16:p:507:CLA:H111	16:p:507:CLA:H143	1.86	0.40
16:h:511:CLA:H142	16:h:511:CLA:H112	1.83	0.40
1:H:658:ILE:HD13	1:H:658:ILE:HA	1.95	0.40
16:H:1126:CLA:H202	16:H:1126:CLA:H162	1.95	0.40
2:G:18:THR:HG22	2:G:695:VAL:H	1.86	0.40
2:G:446:THR:HB	6:Q:36:ARG:HH12	1.86	0.40
11:x:202:ASP:O	11:x:206:GLY:N	2.49	0.40
1:A:429:MET:HA	1:A:432:HIS:CE1	2.56	0.40
1:A:531:ASP:HA	1:A:534:VAL:HG12	2.03	0.40
14:A:852:LMG:H292	7:I:29:LEU:HB3	2.03	0.40
16:A:1124:CLA:H92	16:A:1124:CLA:H62	1.93	0.40
2:B:672:ILE:HD11	17:B:2002:PQN:H143	2.03	0.40
11:Y:319:LEU:HD21	16:Y:515:CLA:HMB2	2.03	0.40
19:Y:601:BCR:H371	19:Y:601:BCR:H24C	1.80	0.40
11:y:207:HIS:HA	11:y:210:VAL:HG22	2.02	0.40
14:a:4201:LMG:O5	14:a:4201:LMG:O4	2.38	0.40
2:b:255:LEU:HB3	2:b:275:HIS:HB2	2.04	0.40
2:b:676:VAL:HG11	3:c:81:TYR:CG	2.57	0.40
16:b:1021:CLA:H202	16:b:1021:CLA:H162	1.89	0.40
16:n:507:CLA:H143	16:n:507:CLA:H111	1.95	0.40
16:n:509:CLA:H2	16:n:509:CLA:H62	1.73	0.40
16:n:511:CLA:H152	16:n:511:CLA:H111	1.87	0.40
16:o:505:CLA:HMB2	19:o:603:BCR:H23C	2.02	0.40
16:p:516:CLA:HBA2	16:p:516:CLA:H3A	1.71	0.40
19:p:601:BCR:H11C	19:p:601:BCR:H341	1.95	0.40
11:q:141:ILE:HD13	16:q:502:CLA:HBC3	2.03	0.40
11:q:207:HIS:HA	11:q:210:VAL:HG12	2.04	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
16:q:507:CLA:H92	19:q:601:BCR:H14C	2.02	0.40
16:H:1123:CLA:H162	16:H:1123:CLA:H192	1.92	0.40
2:G:215:THR:HA	2:G:216:PRO:HD3	1.96	0.40
16:t:511:CLA:H3A	16:t:511:CLA:HBA2	1.52	0.40
16:u:511:CLA:H62	16:u:511:CLA:H41	1.84	0.40
11:w:263:ASN:O	11:w:300:ARG:NH1	2.46	0.40
11:v:283:PHE:HA	11:v:284:PRO:HD3	1.94	0.40
6:Q:91:ARG:HD3	6:Q:91:ARG:HA	1.94	0.40
16:A:1119:CLA:HBC3	16:A:1125:CLA:H18	2.03	0.40
2:B:123:TRP:O	2:B:127:ILE:HG12	2.21	0.40
16:B:1220:CLA:HMD3	16:B:1221:CLA:HHC	2.02	0.40
3:C:66:ARG:HA	3:C:66:ARG:HD2	1.80	0.40
19:W:601:BCR:H11C	19:W:601:BCR:H341	1.97	0.40
2:b:532:ILE:HD13	19:b:4009:BCR:H281	2.03	0.40
16:b:1220:CLA:HBA1	19:b:4009:BCR:H16C	2.03	0.40
16:b:1232:CLA:HBA1	16:b:1232:CLA:H3A	1.43	0.40
11:p:319:LEU:HD23	11:p:319:LEU:HA	1.96	0.40
1:H:163:ILE:HD13	1:H:163:ILE:HA	1.94	0.40
16:G:1205:CLA:H2	16:G:1205:CLA:H61	1.83	0.40
16:G:1215:CLA:H3A	16:G:1215:CLA:HBA2	1.58	0.40
9:U:23:PRO:HA	9:U:27:SER:HB3	2.03	0.40
16:U:1502:CLA:H112	16:U:1502:CLA:H91	1.88	0.40
16:U:1502:CLA:H3A	16:U:1502:CLA:HBA2	1.63	0.40
16:t:505:CLA:H192	16:t:505:CLA:H161	1.86	0.40
19:t:601:BCR:H15C	19:t:601:BCR:H351	1.90	0.40
16:s:502:CLA:H42	19:s:602:BCR:H372	2.02	0.40
11:w:111:THR:HG23	11:w:112:LEU:HG	2.03	0.40
16:w:507:CLA:H43	16:w:507:CLA:HED3	2.03	0.40
1:A:381:ILE:HD13	1:A:381:ILE:HA	1.91	0.40
1:A:458:ASN:HD22	1:A:471:PHE:HB2	1.85	0.40
1:A:641:THR:HB	1:A:644:GLY:H	1.86	0.40
1:A:657:VAL:HG21	1:A:742:PHE:HA	2.04	0.40
16:A:1133:CLA:HMD2	16:A:1134:CLA:HAB	2.04	0.40
2:B:304:ILE:O	2:B:308:HIS:ND1	2.45	0.40
11:W:145:HIS:ND1	16:W:510:CLA:OBD	2.52	0.40
19:W:603:BCR:H20C	19:W:603:BCR:H361	1.87	0.40
19:X:602:BCR:H20C	19:X:602:BCR:H361	1.85	0.40
16:Y:515:CLA:H192	16:Y:515:CLA:H161	1.94	0.40
16:g:517:CLA:H12	16:g:517:CLA:H51	1.94	0.40
16:y:506:CLA:H92	16:y:506:CLA:H62	1.88	0.40
16:y:506:CLA:HBB1	16:y:507:CLA:HMC2	2.04	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:a:531:ASP:HA	1:a:534:VAL:HG12	2.03	0.40
2:b:54:ILE:HD12	2:b:54:ILE:HA	1.95	0.40
2:b:455:PRO:HB3	2:b:514:PHE:HB2	2.04	0.40
16:b:1218:CLA:H62	16:b:1218:CLA:H41	1.86	0.40
16:b:1228:CLA:HBC3	19:f:4016:BCR:H362	2.04	0.40
19:i:4020:BCR:H11C	19:i:4020:BCR:H341	1.94	0.40
11:q:305:ASN:HB3	19:q:601:BCR:H23C	2.03	0.40
16:q:508:CLA:HBA2	16:q:508:CLA:H3A	1.61	0.40
11:r:6:ASN:OD1	11:r:6:ASN:N	2.54	0.40
11:r:289:THR:OG1	11:r:290:VAL:N	2.55	0.40
16:r:508:CLA:HBA2	16:r:508:CLA:H3A	1.52	0.40
16:r:515:CLA:H2	11:v:105:ALA:HB1	2.04	0.40
19:r:602:BCR:H15C	19:r:602:BCR:H351	1.93	0.40
16:H:1013:CLA:H142	16:H:1013:CLA:H111	1.83	0.40
2:G:123:TRP:O	2:G:127:ILE:HG12	2.21	0.40
16:G:1221:CLA:H72	16:G:1221:CLA:H112	1.83	0.40
16:G:1222:CLA:H3A	16:G:1222:CLA:HBA2	1.80	0.40
11:t:124:GLN:HB3	16:t:503:CLA:HED2	2.04	0.40
16:t:509:CLA:H71	16:t:509:CLA:HBD	2.04	0.40
16:u:509:CLA:H3A	16:u:509:CLA:HBA1	1.83	0.40
11:w:246:LEU:HA	11:w:249:ILE:HG22	2.04	0.40
16:v:504:CLA:H13	16:v:507:CLA:HBB2	2.03	0.40
12:K:63:LEU:HD23	12:K:63:LEU:HA	1.94	0.40

There are no symmetry-related clashes.

5.3 Torsion angles (i)

5.3.1 Protein backbone (i)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

The Analysed column shows the number of residues for which the backbone conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	737/751 (98%)	711 (96%)	26 (4%)	0	100	100
1	H	737/751 (98%)	711 (96%)	26 (4%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	a	737/751 (98%)	711 (96%)	26 (4%)	0	100	100
2	B	727/731 (100%)	699 (96%)	28 (4%)	0	100	100
2	G	727/731 (100%)	699 (96%)	28 (4%)	0	100	100
2	b	727/731 (100%)	699 (96%)	28 (4%)	0	100	100
3	C	78/81 (96%)	68 (87%)	10 (13%)	0	100	100
3	N	78/81 (96%)	68 (87%)	10 (13%)	0	100	100
3	c	78/81 (96%)	68 (87%)	10 (13%)	0	100	100
4	D	139/141 (99%)	129 (93%)	10 (7%)	0	100	100
4	O	139/141 (99%)	129 (93%)	10 (7%)	0	100	100
4	d	139/141 (99%)	129 (93%)	10 (7%)	0	100	100
5	E	67/74 (90%)	63 (94%)	4 (6%)	0	100	100
5	P	67/74 (90%)	63 (94%)	4 (6%)	0	100	100
5	e	67/74 (90%)	63 (94%)	4 (6%)	0	100	100
6	F	137/165 (83%)	133 (97%)	4 (3%)	0	100	100
6	Q	137/165 (83%)	133 (97%)	4 (3%)	0	100	100
6	f	137/165 (83%)	133 (97%)	4 (3%)	0	100	100
7	I	35/40 (88%)	34 (97%)	1 (3%)	0	100	100
7	R	35/40 (88%)	34 (97%)	1 (3%)	0	100	100
7	i	35/40 (88%)	34 (97%)	1 (3%)	0	100	100
8	J	37/40 (92%)	36 (97%)	1 (3%)	0	100	100
8	S	37/40 (92%)	36 (97%)	1 (3%)	0	100	100
8	j	37/40 (92%)	36 (97%)	1 (3%)	0	100	100
9	L	152/157 (97%)	145 (95%)	7 (5%)	0	100	100
9	U	152/157 (97%)	145 (95%)	7 (5%)	0	100	100
9	l	152/157 (97%)	145 (95%)	7 (5%)	0	100	100
10	M	29/31 (94%)	28 (97%)	1 (3%)	0	100	100
10	V	29/31 (94%)	28 (97%)	1 (3%)	0	100	100
10	m	29/31 (94%)	28 (97%)	1 (3%)	0	100	100
11	W	327/342 (96%)	313 (96%)	14 (4%)	0	100	100
11	X	337/342 (98%)	324 (96%)	13 (4%)	0	100	100
11	Y	338/342 (99%)	323 (96%)	15 (4%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
11	Z	335/342 (98%)	328 (98%)	7 (2%)	0	100	100
11	g	330/342 (96%)	320 (97%)	10 (3%)	0	100	100
11	h	315/342 (92%)	303 (96%)	12 (4%)	0	100	100
11	n	327/342 (96%)	309 (94%)	18 (6%)	0	100	100
11	o	337/342 (98%)	327 (97%)	10 (3%)	0	100	100
11	p	338/342 (99%)	327 (97%)	11 (3%)	0	100	100
11	q	335/342 (98%)	325 (97%)	10 (3%)	0	100	100
11	r	330/342 (96%)	319 (97%)	11 (3%)	0	100	100
11	s	338/342 (99%)	326 (96%)	12 (4%)	0	100	100
11	t	327/342 (96%)	314 (96%)	13 (4%)	0	100	100
11	u	337/342 (98%)	324 (96%)	13 (4%)	0	100	100
11	v	315/342 (92%)	306 (97%)	9 (3%)	0	100	100
11	w	335/342 (98%)	321 (96%)	14 (4%)	0	100	100
11	x	330/342 (96%)	319 (97%)	11 (3%)	0	100	100
11	y	315/342 (92%)	305 (97%)	10 (3%)	0	100	100
12	K	68/86 (79%)	61 (90%)	7 (10%)	0	100	100
12	T	68/86 (79%)	61 (90%)	7 (10%)	0	100	100
12	k	68/86 (79%)	61 (90%)	7 (10%)	0	100	100
All	All	12564/13047 (96%)	12054 (96%)	510 (4%)	0	100	100

There are no Ramachandran outliers to report.

5.3.2 Protein sidechains (i)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

The Analysed column shows the number of residues for which the sidechain conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	593/603 (98%)	592 (100%)	1 (0%)	87	84
1	H	593/603 (98%)	592 (100%)	1 (0%)	87	84
1	a	593/603 (98%)	592 (100%)	1 (0%)	87	84

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
2	B	581/583 (100%)	579 (100%)	2 (0%)	86	83
2	G	581/583 (100%)	579 (100%)	2 (0%)	86	83
2	b	581/583 (100%)	579 (100%)	2 (0%)	86	83
3	C	68/69 (99%)	68 (100%)	0	100	100
3	N	68/69 (99%)	68 (100%)	0	100	100
3	c	68/69 (99%)	68 (100%)	0	100	100
4	D	115/116 (99%)	115 (100%)	0	100	100
4	O	115/116 (99%)	115 (100%)	0	100	100
4	d	115/116 (99%)	115 (100%)	0	100	100
5	E	58/60 (97%)	58 (100%)	0	100	100
5	P	58/60 (97%)	58 (100%)	0	100	100
5	e	58/60 (97%)	58 (100%)	0	100	100
6	F	112/137 (82%)	111 (99%)	1 (1%)	70	75
6	Q	112/137 (82%)	111 (99%)	1 (1%)	70	75
6	f	112/137 (82%)	111 (99%)	1 (1%)	70	75
7	I	31/32 (97%)	31 (100%)	0	100	100
7	R	31/32 (97%)	31 (100%)	0	100	100
7	i	31/32 (97%)	31 (100%)	0	100	100
8	J	33/35 (94%)	33 (100%)	0	100	100
8	S	33/35 (94%)	33 (100%)	0	100	100
8	j	33/35 (94%)	33 (100%)	0	100	100
9	L	116/118 (98%)	116 (100%)	0	100	100
9	U	116/118 (98%)	116 (100%)	0	100	100
9	l	116/118 (98%)	116 (100%)	0	100	100
10	M	25/25 (100%)	24 (96%)	1 (4%)	28	54
10	V	25/25 (100%)	24 (96%)	1 (4%)	28	54
10	m	25/25 (100%)	24 (96%)	1 (4%)	28	54
11	W	232/260 (89%)	232 (100%)	0	100	100
11	X	252/260 (97%)	252 (100%)	0	100	100
11	Y	251/260 (96%)	251 (100%)	0	100	100
11	Z	249/260 (96%)	249 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
11	g	243/260 (94%)	243 (100%)	0	100	100
11	h	231/260 (89%)	231 (100%)	0	100	100
11	n	231/260 (89%)	231 (100%)	0	100	100
11	o	252/260 (97%)	252 (100%)	0	100	100
11	p	252/260 (97%)	252 (100%)	0	100	100
11	q	249/260 (96%)	249 (100%)	0	100	100
11	r	243/260 (94%)	242 (100%)	1 (0%)	84	81
11	s	252/260 (97%)	251 (100%)	1 (0%)	84	81
11	t	232/260 (89%)	231 (100%)	1 (0%)	84	81
11	u	252/260 (97%)	252 (100%)	0	100	100
11	v	231/260 (89%)	231 (100%)	0	100	100
11	w	249/260 (96%)	249 (100%)	0	100	100
11	x	243/260 (94%)	243 (100%)	0	100	100
11	y	231/260 (89%)	231 (100%)	0	100	100
12	K	48/62 (77%)	45 (94%)	3 (6%)	16	43
12	T	48/62 (77%)	45 (94%)	3 (6%)	16	43
12	k	48/62 (77%)	45 (94%)	3 (6%)	16	43
All	All	9715/10200 (95%)	9688 (100%)	27 (0%)	84	83

All (27) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	323	GLU
2	B	11	ASP
2	B	464	THR
6	F	48	GLU
10	M	6	THR
1	a	323	GLU
2	b	11	ASP
2	b	464	THR
12	k	43	ASN
12	k	44	VAL
12	k	76	VAL
10	m	6	THR
11	r	310	LEU
1	H	323	GLU

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Mol	Chain	Res	Type
2	G	11	ASP
2	G	464	THR
10	V	6	THR
11	t	86	THR
11	s	86	THR
6	f	48	GLU
6	Q	48	GLU
12	K	43	ASN
12	K	44	VAL
12	K	76	VAL
12	T	43	ASN
12	T	44	VAL
12	T	76	VAL

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (131) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	54	ASN
1	A	79	HIS
1	A	157	GLN
1	A	224	ASN
1	A	351	GLN
1	A	392	HIS
1	A	393	HIS
1	A	567	ASN
1	A	705	ASN
2	B	41	ASN
2	B	196	HIS
2	B	450	GLN
2	B	478	ASN
2	B	607	ASN
2	B	609	ASN
5	E	4	ASN
5	E	59	ASN
9	L	6	GLN
9	L	12	ASN
9	L	105	GLN
11	W	17	ASN
11	W	62	GLN
11	W	82	GLN
11	W	96	HIS
11	W	134	ASN

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Mol	Chain	Res	Type
11	W	191	GLN
11	X	6	ASN
11	X	10	GLN
11	X	69	HIS
11	X	129	HIS
11	X	297	HIS
11	Y	6	ASN
11	Y	124	GLN
11	Y	129	HIS
11	Y	191	GLN
11	Z	6	ASN
11	Z	69	HIS
11	Z	129	HIS
11	Z	335	GLN
11	g	34	GLN
11	g	69	HIS
11	g	144	HIS
11	g	263	ASN
11	g	316	GLN
11	y	96	HIS
11	y	207	HIS
11	y	307	HIS
1	a	54	ASN
1	a	79	HIS
1	a	157	GLN
1	a	224	ASN
1	a	351	GLN
1	a	392	HIS
1	a	393	HIS
1	a	567	ASN
1	a	705	ASN
2	b	41	ASN
2	b	196	HIS
2	b	450	GLN
2	b	478	ASN
2	b	607	ASN
2	b	609	ASN
12	k	28	ASN
9	l	6	GLN
9	l	12	ASN
9	l	36	ASN
9	l	105	GLN

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Mol	Chain	Res	Type
11	n	172	GLN
11	n	191	GLN
11	n	297	HIS
11	o	10	GLN
11	o	110	HIS
11	o	297	HIS
11	p	6	ASN
11	p	124	GLN
11	p	191	GLN
11	q	6	ASN
11	q	335	GLN
11	h	17	ASN
11	h	69	HIS
11	h	110	HIS
1	H	54	ASN
1	H	79	HIS
1	H	157	GLN
1	H	224	ASN
1	H	351	GLN
1	H	392	HIS
1	H	393	HIS
1	H	705	ASN
2	G	41	ASN
2	G	196	HIS
2	G	450	GLN
2	G	478	ASN
2	G	607	ASN
2	G	609	ASN
9	U	6	GLN
9	U	12	ASN
9	U	19	HIS
9	U	36	ASN
9	U	105	GLN
11	t	23	GLN
11	t	134	ASN
11	t	144	HIS
11	t	172	GLN
11	t	297	HIS
11	t	316	GLN
11	s	2	GLN
11	s	6	ASN
11	s	57	GLN

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Mol	Chain	Res	Type
11	s	69	HIS
11	s	82	GLN
11	s	96	HIS
11	s	124	GLN
11	s	134	ASN
11	s	137	GLN
11	s	221	HIS
11	w	6	ASN
11	w	137	GLN
11	w	191	GLN
11	w	305	ASN
11	w	335	GLN
11	x	6	ASN
11	x	263	ASN
11	v	69	HIS
11	v	172	GLN
5	e	4	ASN
5	e	59	ASN
5	P	4	ASN
5	P	59	ASN
12	K	28	ASN
12	T	28	ASN

5.3.3 RNA

There are no RNA molecules in this entry.

5.4 Non-standard residues in protein, DNA, RNA chains

There are no non-standard protein/DNA/RNA residues in this entry.

5.5 Carbohydrates

There are no oligosaccharides in this entry.

5.6 Ligand geometry

Of 771 ligands modelled in this entry, 3 are monoatomic - leaving 768 for Mogul analysis.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and

the number of bonds (or angles) that are defined in the Chemical Component Dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\| > 2$	Counts	RMSZ	$\#\|Z\| > 2$
19	BCR	a	4007	-	41,41,41	1.12	3 (7%)	56,56,56	1.36	7 (12%)
14	LMG	H	4201	-	32,32,55	1.00	1 (3%)	40,40,63	1.13	4 (10%)
16	CLA	A	1123	-	69,73,73	1.18	8 (11%)	82,113,113	1.37	7 (8%)
16	CLA	B	1211	-	69,73,73	1.15	9 (13%)	82,113,113	1.35	8 (9%)
14	LMG	s	701	-	39,39,55	0.87	1 (2%)	47,47,63	1.25	4 (8%)
19	BCR	w	603	-	41,41,41	1.05	2 (4%)	56,56,56	1.30	7 (12%)
16	CLA	b	1012	-	64,68,73	1.24	10 (15%)	76,107,113	1.51	11 (14%)
16	CLA	A	1237	-	69,73,73	1.18	8 (11%)	82,113,113	1.44	9 (10%)
16	CLA	t	509	-	64,68,73	1.21	9 (14%)	76,107,113	1.35	7 (9%)
19	BCR	I	4020	-	41,41,41	1.22	3 (7%)	56,56,56	1.26	6 (10%)
19	BCR	J	4012	-	41,41,41	1.14	2 (4%)	56,56,56	1.42	9 (16%)
16	CLA	B	1012	-	64,68,73	1.23	10 (15%)	76,107,113	1.51	10 (13%)
16	CLA	U	1503	-	69,73,73	1.15	8 (11%)	82,113,113	1.34	10 (12%)
19	BCR	h	603	-	41,41,41	1.06	2 (4%)	56,56,56	1.31	7 (12%)
16	CLA	H	1128	-	69,73,73	1.21	9 (13%)	82,113,113	1.54	11 (13%)
16	CLA	Y	513	-	54,58,73	1.32	9 (16%)	64,95,113	1.45	7 (10%)
16	CLA	a	1237	-	69,73,73	1.19	8 (11%)	82,113,113	1.43	9 (10%)
16	CLA	Y	506	-	64,68,73	1.23	7 (10%)	76,107,113	1.41	7 (9%)
16	CLA	f	1302	-	27,35,73	1.84	6 (22%)	32,60,113	1.63	5 (15%)
16	CLA	X	501	-	54,58,73	1.32	8 (14%)	64,95,113	1.46	8 (12%)
16	CLA	q	511	-	69,73,73	1.17	9 (13%)	82,113,113	1.38	8 (9%)
16	CLA	t	504	-	64,68,73	1.23	9 (14%)	76,107,113	1.40	7 (9%)
16	CLA	L	1502	-	69,73,73	1.15	9 (13%)	82,113,113	1.38	7 (8%)
16	CLA	B	1206	-	69,73,73	1.18	8 (11%)	82,113,113	1.45	9 (10%)
19	BCR	G	4009	-	41,41,41	1.05	2 (4%)	56,56,56	1.38	9 (16%)
16	CLA	H	1112	-	49,53,73	1.36	8 (16%)	58,89,113	1.57	9 (15%)
16	CLA	w	513	-	54,58,73	1.31	8 (14%)	64,95,113	1.47	7 (10%)
16	CLA	S	1302	-	49,53,73	1.38	8 (16%)	58,89,113	1.52	6 (10%)
16	CLA	B	1232	-	49,53,73	1.39	9 (18%)	58,89,113	1.51	5 (8%)
19	BCR	y	604	-	41,41,41	1.03	2 (4%)	56,56,56	1.31	6 (10%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
16	CLA	o	509	-	64,68,73	1.21	9 (14%)	76,107,113	1.41	10 (13%)
16	CLA	W	516	-	50,54,73	1.36	8 (16%)	59,90,113	1.47	4 (6%)
13	LHG	A	849	-	42,42,48	0.68	1 (2%)	45,48,54	1.26	4 (8%)
16	CLA	x	513	-	54,58,73	1.33	8 (14%)	64,95,113	1.46	6 (9%)
16	CLA	A	1013	-	69,73,73	1.18	10 (14%)	82,113,113	1.61	12 (14%)
19	BCR	L	4019	-	41,41,41	1.18	2 (4%)	56,56,56	1.33	5 (8%)
16	CLA	s	512	-	49,53,73	1.37	9 (18%)	58,89,113	1.57	7 (12%)
16	CLA	w	501	-	54,58,73	1.31	8 (14%)	64,95,113	1.43	6 (9%)
13	LHG	a	851	-	26,26,48	0.87	1 (3%)	29,32,54	1.36	3 (10%)
19	BCR	A	4007	-	41,41,41	1.12	3 (7%)	56,56,56	1.36	7 (12%)
16	CLA	p	510	-	69,73,73	1.16	8 (11%)	82,113,113	1.33	6 (7%)
16	CLA	A	1132	-	69,73,73	1.14	9 (13%)	82,113,113	1.41	7 (8%)
16	CLA	w	515	-	69,73,73	1.16	8 (11%)	82,113,113	1.36	5 (6%)
16	CLA	w	505	-	69,73,73	1.17	8 (11%)	82,113,113	1.34	6 (7%)
16	CLA	q	503	-	50,54,73	1.36	9 (18%)	59,90,113	1.51	6 (10%)
16	CLA	b	1224	-	64,68,73	1.19	11 (17%)	76,107,113	1.59	10 (13%)
16	CLA	y	516	-	50,54,73	1.36	8 (16%)	59,90,113	1.48	6 (10%)
19	BCR	A	4001	-	41,41,41	1.13	3 (7%)	56,56,56	1.36	9 (16%)
16	CLA	A	1111	-	59,63,73	1.25	9 (15%)	70,101,113	1.44	8 (11%)
16	CLA	b	1211	-	69,73,73	1.15	9 (13%)	82,113,113	1.34	8 (9%)
16	CLA	y	503	-	50,54,73	1.36	8 (16%)	59,90,113	1.50	6 (10%)
16	CLA	B	1210	-	69,73,73	1.16	10 (14%)	82,113,113	1.74	13 (15%)
19	BCR	j	4013	-	41,41,41	1.06	2 (4%)	56,56,56	1.38	8 (14%)
16	CLA	u	511	-	69,73,73	1.16	10 (14%)	82,113,113	1.38	9 (10%)
19	BCR	H	4001	-	41,41,41	1.13	2 (4%)	56,56,56	1.37	9 (16%)
16	CLA	G	1240	-	54,58,73	1.32	8 (14%)	64,95,113	1.46	6 (9%)
18	SF4	H	3001	1,2	0,12,12	-	-	-		
16	CLA	G	1239	-	69,73,73	1.17	8 (11%)	82,113,113	1.40	6 (7%)
16	CLA	a	1133	-	58,62,73	1.25	9 (15%)	68,99,113	1.44	6 (8%)
16	CLA	B	1224	-	64,68,73	1.19	11 (17%)	76,107,113	1.59	10 (13%)
16	CLA	G	1206	-	69,73,73	1.18	9 (13%)	82,113,113	1.45	9 (10%)
16	CLA	t	516	-	50,54,73	1.36	9 (18%)	59,90,113	1.49	4 (6%)
19	BCR	J	4013	-	41,41,41	1.05	2 (4%)	56,56,56	1.39	7 (12%)
16	CLA	H	1139	-	55,59,73	1.30	9 (16%)	64,96,113	1.48	6 (9%)
16	CLA	y	513	-	54,58,73	1.32	9 (16%)	64,95,113	1.45	8 (12%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
16	CLA	l	1503	-	69,73,73	1.15	8 (11%)	82,113,113	1.34	10 (12%)
16	CLA	t	513	-	54,58,73	1.30	8 (14%)	64,95,113	1.43	7 (10%)
16	CLA	A	1117	-	69,73,73	1.15	9 (13%)	82,113,113	1.37	7 (8%)
16	CLA	b	1232	-	49,53,73	1.40	9 (18%)	58,89,113	1.52	5 (8%)
19	BCR	q	604	-	41,41,41	1.07	2 (4%)	56,56,56	1.35	9 (16%)
19	BCR	x	601	-	41,41,41	1.07	2 (4%)	56,56,56	1.32	7 (12%)
16	CLA	y	502	-	54,58,73	1.30	8 (14%)	64,95,113	1.44	6 (9%)
16	CLA	a	1114	-	53,57,73	1.32	8 (15%)	61,93,113	1.46	6 (9%)
16	CLA	a	1104	-	69,73,73	1.16	9 (13%)	82,113,113	1.40	5 (6%)
19	BCR	W	601	-	41,41,41	1.04	2 (4%)	56,56,56	1.36	9 (16%)
16	CLA	b	1234	-	54,58,73	1.30	8 (14%)	64,95,113	1.52	7 (10%)
19	BCR	w	601	-	41,41,41	1.04	2 (4%)	56,56,56	1.33	6 (10%)
16	CLA	L	1501	-	69,73,73	1.16	9 (13%)	82,113,113	1.39	8 (9%)
19	BCR	H	4008	-	41,41,41	1.17	3 (7%)	56,56,56	1.41	7 (12%)
16	CLA	w	507	-	69,73,73	1.17	9 (13%)	82,113,113	1.32	5 (6%)
17	PQN	A	2001	-	34,34,34	0.37	0	43,45,45	1.19	5 (11%)
16	CLA	H	1115	-	58,62,73	1.25	9 (15%)	68,99,113	1.46	7 (10%)
16	CLA	B	1228	-	59,63,73	1.26	9 (15%)	70,101,113	1.42	8 (11%)
16	CLA	W	514	-	54,58,73	1.32	9 (16%)	64,95,113	1.47	8 (12%)
16	CLA	Z	509	-	60,64,73	1.26	9 (15%)	71,102,113	1.40	10 (14%)
16	CLA	h	513	-	54,58,73	1.32	8 (14%)	64,95,113	1.44	8 (12%)
16	CLA	x	504	-	64,68,73	1.22	9 (14%)	76,107,113	1.36	7 (9%)
16	CLA	h	507	-	69,73,73	1.18	8 (11%)	82,113,113	1.32	6 (7%)
19	BCR	B	4009	-	41,41,41	1.05	2 (4%)	56,56,56	1.38	9 (16%)
16	CLA	a	1129	-	54,58,73	1.30	9 (16%)	64,95,113	1.46	8 (12%)
16	CLA	Z	504	-	64,68,73	1.22	9 (14%)	76,107,113	1.33	5 (6%)
19	BCR	A	4011	-	41,41,41	1.11	2 (4%)	56,56,56	1.37	8 (14%)
16	CLA	B	1214	-	59,63,73	1.27	9 (15%)	70,101,113	1.41	10 (14%)
16	CLA	n	511	-	69,73,73	1.17	9 (13%)	82,113,113	1.33	6 (7%)
16	CLA	p	511	-	69,73,73	1.17	9 (13%)	82,113,113	1.34	7 (8%)
16	CLA	r	516	-	50,54,73	1.37	8 (16%)	59,90,113	1.51	7 (11%)
16	CLA	A	1125	-	69,73,73	1.15	10 (14%)	82,113,113	1.39	9 (10%)
19	BCR	H	4003	-	41,41,41	1.08	2 (4%)	56,56,56	1.27	7 (12%)
18	SF4	c	101	3	0,12,12	-	-	-		
16	CLA	H	1118	-	59,63,73	1.26	10 (16%)	70,101,113	1.43	5 (7%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
16	CLA	t	503	-	50,54,73	1.35	7 (14%)	59,90,113	1.52	8 (13%)
16	CLA	A	1105	-	62,66,73	1.20	9 (14%)	73,104,113	1.43	7 (9%)
16	CLA	s	508	-	59,63,73	1.25	9 (15%)	70,101,113	1.40	6 (8%)
16	CLA	q	515	-	69,73,73	1.16	9 (13%)	82,113,113	1.36	6 (7%)
16	CLA	q	513	-	54,58,73	1.31	8 (14%)	64,95,113	1.45	7 (10%)
16	CLA	A	1134	-	49,53,73	1.38	9 (18%)	58,89,113	1.59	8 (13%)
16	CLA	y	515	-	64,68,73	1.22	8 (12%)	76,107,113	1.47	6 (7%)
16	CLA	H	1105	-	62,66,73	1.21	9 (14%)	73,104,113	1.43	7 (9%)
16	CLA	G	1235	-	66,70,73	1.20	9 (13%)	78,109,113	1.53	9 (11%)
16	CLA	v	515	-	64,68,73	1.21	8 (12%)	76,107,113	1.39	6 (7%)
16	CLA	Y	508	-	59,63,73	1.26	9 (15%)	70,101,113	1.41	6 (8%)
19	BCR	G	4014	-	41,41,41	1.14	3 (7%)	56,56,56	1.27	6 (10%)
16	CLA	s	506	-	64,68,73	1.22	7 (10%)	76,107,113	1.40	7 (9%)
16	CLA	H	1013	-	69,73,73	1.18	10 (14%)	82,113,113	1.61	12 (14%)
16	CLA	q	514	-	54,58,73	1.31	9 (16%)	64,95,113	1.48	8 (12%)
14	LMG	a	4201	-	31,31,55	1.01	1 (3%)	39,39,63	1.13	4 (10%)
16	CLA	G	1204	-	69,73,73	1.13	8 (11%)	82,113,113	1.38	6 (7%)
16	CLA	G	1228	-	59,63,73	1.26	9 (15%)	70,101,113	1.43	8 (11%)
16	CLA	j	1303	-	41,45,73	1.44	8 (19%)	50,78,113	1.60	6 (12%)
19	BCR	t	601	-	41,41,41	1.04	2 (4%)	56,56,56	1.35	9 (16%)
16	CLA	w	512	-	49,53,73	1.37	9 (18%)	58,89,113	1.55	8 (13%)
16	CLA	y	514	-	54,58,73	1.32	8 (14%)	64,95,113	1.45	7 (10%)
16	CLA	a	1109	-	69,73,73	1.15	9 (13%)	82,113,113	1.43	7 (8%)
16	CLA	b	1228	-	59,63,73	1.26	9 (15%)	70,101,113	1.43	8 (11%)
16	CLA	H	1131	-	69,73,73	1.16	9 (13%)	82,113,113	1.42	9 (10%)
16	CLA	H	1132	-	69,73,73	1.14	9 (13%)	82,113,113	1.41	7 (8%)
16	CLA	b	1222	-	59,63,73	1.26	9 (15%)	70,101,113	1.44	6 (8%)
16	CLA	t	515	-	69,73,73	1.17	9 (13%)	82,113,113	1.30	6 (7%)
16	CLA	G	1214	-	59,63,73	1.28	10 (16%)	70,101,113	1.41	11 (15%)
16	CLA	o	517	-	59,63,73	1.25	8 (13%)	70,101,113	1.49	9 (12%)
16	CLA	b	1214	-	59,63,73	1.27	9 (15%)	70,101,113	1.41	9 (12%)
16	CLA	x	508	-	59,63,73	1.27	8 (13%)	70,101,113	1.38	5 (7%)
16	CLA	n	514	-	54,58,73	1.33	9 (16%)	64,95,113	1.47	8 (12%)
16	CLA	B	1217	-	49,53,73	1.37	8 (16%)	58,89,113	1.50	4 (6%)
16	CLA	A	1112	-	49,53,73	1.36	10 (20%)	58,89,113	1.57	9 (15%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
16	CLA	Z	501	-	54,58,73	1.32	8 (14%)	64,95,113	1.44	6 (9%)
16	CLA	A	1124	-	69,73,73	1.15	9 (13%)	82,113,113	1.38	7 (8%)
16	CLA	h	503	-	50,54,73	1.37	8 (16%)	59,90,113	1.48	5 (8%)
16	CLA	a	1126	-	69,73,73	1.16	9 (13%)	82,113,113	1.44	11 (13%)
16	CLA	A	1122	-	63,67,73	1.21	9 (14%)	74,105,113	1.38	7 (9%)
16	CLA	r	508	-	59,63,73	1.26	8 (13%)	70,101,113	1.39	6 (8%)
16	CLA	A	1110	-	58,62,73	1.25	9 (15%)	68,99,113	1.44	7 (10%)
19	BCR	Y	601	-	41,41,41	1.08	2 (4%)	56,56,56	1.37	9 (16%)
19	BCR	G	4004	-	41,41,41	1.07	2 (4%)	56,56,56	1.26	5 (8%)
19	BCR	A	4003	-	41,41,41	1.09	2 (4%)	56,56,56	1.27	7 (12%)
16	CLA	g	517	-	59,63,73	1.26	9 (15%)	70,101,113	1.40	6 (8%)
16	CLA	x	502	-	54,58,73	1.31	9 (16%)	64,95,113	1.43	6 (9%)
16	CLA	o	513	-	54,58,73	1.31	8 (14%)	64,95,113	1.46	6 (9%)
19	BCR	r	601	-	41,41,41	1.05	2 (4%)	56,56,56	1.32	7 (12%)
16	CLA	b	1202	-	69,73,73	1.14	8 (11%)	82,113,113	1.41	8 (9%)
16	CLA	Y	509	-	64,68,73	1.20	9 (14%)	76,107,113	1.37	10 (13%)
16	CLA	Z	512	-	49,53,73	1.37	9 (18%)	58,89,113	1.54	7 (12%)
18	SF4	N	101	3	0,12,12	-	-	-		
16	CLA	B	1215	-	64,68,73	1.17	8 (12%)	76,107,113	1.43	8 (10%)
16	CLA	n	507	-	64,68,73	1.23	9 (14%)	76,107,113	1.36	7 (9%)
16	CLA	r	509	-	64,68,73	1.22	9 (14%)	76,107,113	1.34	10 (13%)
19	BCR	y	602	-	41,41,41	1.10	2 (4%)	56,56,56	1.21	7 (12%)
16	CLA	Y	504	-	64,68,73	1.21	9 (14%)	76,107,113	1.38	6 (7%)
19	BCR	l	4019	-	41,41,41	1.18	2 (4%)	56,56,56	1.33	5 (8%)
16	CLA	A	1126	-	69,73,73	1.16	9 (13%)	82,113,113	1.44	10 (12%)
16	CLA	t	507	-	64,68,73	1.23	8 (12%)	76,107,113	1.36	6 (7%)
16	CLA	n	509	-	64,68,73	1.21	9 (14%)	76,107,113	1.34	6 (7%)
16	CLA	r	502	-	54,58,73	1.31	8 (14%)	64,95,113	1.44	8 (12%)
19	BCR	x	604	-	41,41,41	1.04	2 (4%)	56,56,56	1.37	9 (16%)
16	CLA	a	1022	-	69,73,73	1.22	8 (11%)	82,113,113	1.41	9 (10%)
16	CLA	r	504	-	64,68,73	1.21	9 (14%)	76,107,113	1.36	7 (9%)
19	BCR	j	4015	-	41,41,41	1.12	3 (7%)	56,56,56	1.35	8 (14%)
16	CLA	n	504	-	64,68,73	1.22	8 (12%)	76,107,113	1.41	6 (7%)
16	CLA	G	1023	-	69,73,73	1.16	10 (14%)	82,113,113	1.68	13 (15%)
19	BCR	X	602	-	41,41,41	1.03	2 (4%)	56,56,56	1.37	8 (14%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
16	CLA	p	517	-	59,63,73	1.25	9 (15%)	70,101,113	1.41	5 (7%)
16	CLA	h	512	-	49,53,73	1.37	7 (14%)	58,89,113	1.56	8 (13%)
16	CLA	X	513	-	54,58,73	1.31	8 (14%)	64,95,113	1.45	6 (9%)
19	BCR	G	4005	-	41,41,41	1.12	2 (4%)	56,56,56	1.41	7 (12%)
16	CLA	u	517	-	59,63,73	1.25	8 (13%)	70,101,113	1.59	10 (14%)
19	BCR	H	4002	-	41,41,41	1.11	2 (4%)	56,56,56	1.23	5 (8%)
16	CLA	B	1023	-	69,73,73	1.16	10 (14%)	82,113,113	1.68	13 (15%)
19	BCR	G	4017	-	41,41,41	1.17	3 (7%)	56,56,56	1.32	9 (16%)
19	BCR	b	4005	-	41,41,41	1.12	3 (7%)	56,56,56	1.41	7 (12%)
16	CLA	b	1239	-	69,73,73	1.17	8 (11%)	82,113,113	1.41	6 (7%)
14	LMG	B	848	-	43,43,55	0.80	1 (2%)	51,51,63	1.32	7 (13%)
16	CLA	B	1222	-	59,63,73	1.25	9 (15%)	70,101,113	1.45	6 (8%)
16	CLA	b	1226	-	69,73,73	1.22	9 (13%)	82,113,113	1.49	10 (12%)
16	CLA	A	1121	-	55,59,73	1.30	8 (14%)	64,96,113	1.46	5 (7%)
16	CLA	Z	516	-	50,54,73	1.36	9 (18%)	59,90,113	1.51	7 (11%)
16	CLA	p	505	-	69,73,73	1.17	9 (13%)	82,113,113	1.36	6 (7%)
16	CLA	G	1211	-	69,73,73	1.15	9 (13%)	82,113,113	1.35	8 (9%)
16	CLA	U	1501	-	69,73,73	1.15	9 (13%)	82,113,113	1.40	8 (9%)
16	CLA	G	1220	-	58,62,73	1.26	9 (15%)	68,99,113	1.51	10 (14%)
16	CLA	H	1140	-	69,73,73	1.16	9 (13%)	82,113,113	1.34	6 (7%)
16	CLA	s	510	-	69,73,73	1.16	8 (11%)	82,113,113	1.35	6 (7%)
19	BCR	Y	603	-	41,41,41	1.06	2 (4%)	56,56,56	1.39	8 (14%)
16	CLA	r	503	-	50,54,73	1.36	9 (18%)	59,90,113	1.49	6 (10%)
16	CLA	G	1203	-	69,73,73	1.16	8 (11%)	82,113,113	1.38	6 (7%)
16	CLA	q	512	-	49,53,73	1.37	9 (18%)	58,89,113	1.56	7 (12%)
16	CLA	t	505	-	69,73,73	1.17	8 (11%)	82,113,113	1.30	4 (4%)
16	CLA	w	517	-	59,63,73	1.25	8 (13%)	70,101,113	1.52	10 (14%)
16	CLA	b	1225	-	69,73,73	1.21	10 (14%)	82,113,113	1.34	7 (8%)
16	CLA	H	1114	-	53,57,73	1.32	8 (15%)	61,93,113	1.47	7 (11%)
19	BCR	q	602	-	41,41,41	1.05	2 (4%)	56,56,56	1.26	8 (14%)
16	CLA	t	512	-	49,53,73	1.38	9 (18%)	58,89,113	1.54	6 (10%)
19	BCR	U	4019	-	41,41,41	1.19	2 (4%)	56,56,56	1.33	5 (8%)
16	CLA	B	1225	-	69,73,73	1.21	10 (14%)	82,113,113	1.34	7 (8%)
13	LHG	i	103	-	43,43,48	0.66	2 (4%)	46,49,54	1.29	5 (10%)
16	CLA	B	1205	-	69,73,73	1.15	8 (11%)	82,113,113	1.51	9 (10%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
16	CLA	H	1113	-	49,53,73	1.36	9 (18%)	58,89,113	1.60	8 (13%)
16	CLA	s	509	-	64,68,73	1.21	9 (14%)	76,107,113	1.36	10 (13%)
19	BCR	S	4013	-	41,41,41	1.05	2 (4%)	56,56,56	1.38	7 (12%)
16	CLA	A	1127	-	69,73,73	1.17	10 (14%)	82,113,113	1.39	8 (9%)
16	CLA	a	1120	-	53,57,73	1.31	8 (15%)	61,93,113	1.54	7 (11%)
16	CLA	b	1236	-	69,73,73	1.14	9 (13%)	82,113,113	1.35	8 (9%)
16	CLA	a	1119	-	69,73,73	1.15	9 (13%)	82,113,113	1.36	8 (9%)
16	CLA	u	510	-	69,73,73	1.16	9 (13%)	82,113,113	1.34	6 (7%)
16	CLA	X	517	-	59,63,73	1.24	8 (13%)	70,101,113	1.61	10 (14%)
19	BCR	S	4012	-	41,41,41	1.14	2 (4%)	56,56,56	1.43	9 (16%)
19	BCR	I	4018	-	41,41,41	1.13	2 (4%)	56,56,56	1.32	6 (10%)
16	CLA	s	504	-	64,68,73	1.22	9 (14%)	76,107,113	1.38	6 (7%)
19	BCR	a	4001	-	41,41,41	1.13	3 (7%)	56,56,56	1.36	9 (16%)
17	PQN	H	2001	-	34,34,34	0.37	0	43,45,45	1.19	5 (11%)
18	SF4	A	3001	1,2	0,12,12	-	-	-		
19	BCR	r	604	-	41,41,41	1.05	2 (4%)	56,56,56	1.36	9 (16%)
16	CLA	n	502	-	54,58,73	1.30	8 (14%)	64,95,113	1.46	6 (9%)
16	CLA	h	502	-	54,58,73	1.31	8 (14%)	64,95,113	1.43	6 (9%)
16	CLA	A	1107	-	54,58,73	1.31	9 (16%)	64,95,113	1.64	8 (12%)
16	CLA	Y	515	-	69,73,73	1.16	8 (11%)	82,113,113	1.36	6 (7%)
16	CLA	B	1218	-	59,63,73	1.25	9 (15%)	70,101,113	1.43	5 (7%)
16	CLA	y	511	-	69,73,73	1.17	9 (13%)	82,113,113	1.34	8 (9%)
16	CLA	h	504	-	64,68,73	1.21	9 (14%)	76,107,113	1.40	6 (7%)
16	CLA	A	1103	-	69,73,73	1.16	9 (13%)	82,113,113	1.42	6 (7%)
16	CLA	n	501	-	54,58,73	1.31	8 (14%)	64,95,113	1.43	8 (12%)
16	CLA	X	505	-	69,73,73	1.16	9 (13%)	82,113,113	1.33	6 (7%)
16	CLA	a	1107	-	54,58,73	1.31	9 (16%)	64,95,113	1.64	9 (14%)
16	CLA	u	509	-	64,68,73	1.21	9 (14%)	76,107,113	1.40	10 (13%)
16	CLA	H	1137	-	51,55,73	1.31	10 (19%)	60,91,113	1.55	7 (11%)
16	CLA	X	506	-	64,68,73	1.22	8 (12%)	76,107,113	1.39	6 (7%)
16	CLA	X	510	-	69,73,73	1.16	8 (11%)	82,113,113	1.35	8 (9%)
16	CLA	v	513	-	54,58,73	1.32	8 (14%)	64,95,113	1.44	8 (12%)
16	CLA	y	512	-	49,53,73	1.37	8 (16%)	58,89,113	1.56	8 (13%)
16	CLA	Z	506	-	64,68,73	1.22	9 (14%)	76,107,113	1.38	5 (6%)
16	CLA	v	502	-	54,58,73	1.31	8 (14%)	64,95,113	1.43	6 (9%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
16	CLA	G	1225	-	69,73,73	1.21	10 (14%)	82,113,113	1.34	7 (8%)
16	CLA	u	508	-	59,63,73	1.25	9 (15%)	70,101,113	1.49	6 (8%)
16	CLA	u	514	-	54,58,73	1.33	8 (14%)	64,95,113	1.44	6 (9%)
16	CLA	B	1226	-	69,73,73	1.22	9 (13%)	82,113,113	1.48	10 (12%)
16	CLA	W	501	-	54,58,73	1.30	8 (14%)	64,95,113	1.44	8 (12%)
16	CLA	o	514	-	54,58,73	1.33	8 (14%)	64,95,113	1.45	6 (9%)
16	CLA	H	1102	-	60,64,73	1.24	9 (15%)	71,102,113	1.51	9 (12%)
16	CLA	u	505	-	69,73,73	1.16	9 (13%)	82,113,113	1.35	7 (8%)
16	CLA	H	1122	-	63,67,73	1.21	9 (14%)	74,105,113	1.40	7 (9%)
16	CLA	a	1132	-	69,73,73	1.15	9 (13%)	82,113,113	1.40	7 (8%)
16	CLA	a	1115	-	58,62,73	1.25	9 (15%)	68,99,113	1.46	7 (10%)
19	BCR	F	4016	-	41,41,41	1.11	2 (4%)	56,56,56	1.30	8 (14%)
19	BCR	p	603	-	41,41,41	1.08	3 (7%)	56,56,56	1.39	8 (14%)
16	CLA	B	1227	-	53,57,73	1.32	9 (16%)	61,93,113	1.52	6 (9%)
19	BCR	h	601	-	41,41,41	1.03	2 (4%)	56,56,56	1.39	8 (14%)
16	CLA	n	503	-	50,54,73	1.34	7 (14%)	59,90,113	1.54	8 (13%)
16	CLA	G	1215	-	64,68,73	1.18	9 (14%)	76,107,113	1.43	8 (10%)
16	CLA	B	1213	-	59,63,73	1.25	9 (15%)	70,101,113	1.41	5 (7%)
16	CLA	y	501	-	50,54,73	1.36	8 (16%)	59,90,113	1.47	5 (8%)
16	CLA	F	1301	-	49,53,73	1.39	10 (20%)	58,89,113	1.60	9 (15%)
16	CLA	r	515	-	69,73,73	1.15	9 (13%)	82,113,113	1.34	6 (7%)
16	CLA	r	513	-	54,58,73	1.32	8 (14%)	64,95,113	1.45	6 (9%)
16	CLA	s	516	-	50,54,73	1.36	9 (18%)	59,90,113	1.52	7 (11%)
16	CLA	b	1238	-	69,73,73	1.17	10 (14%)	82,113,113	1.38	7 (8%)
16	CLA	w	511	-	69,73,73	1.17	9 (13%)	82,113,113	1.38	8 (9%)
16	CLA	s	503	-	50,54,73	1.35	8 (16%)	59,90,113	1.51	5 (8%)
16	CLA	n	515	-	69,73,73	1.17	9 (13%)	82,113,113	1.32	6 (7%)
16	CLA	W	512	-	49,53,73	1.38	9 (18%)	58,89,113	1.57	7 (12%)
16	CLA	b	1218	-	59,63,73	1.26	9 (15%)	70,101,113	1.43	5 (7%)
19	BCR	v	601	-	41,41,41	1.03	2 (4%)	56,56,56	1.38	8 (14%)
16	CLA	n	516	-	50,54,73	1.36	9 (18%)	59,90,113	1.47	5 (8%)
16	CLA	A	1116	-	58,62,73	1.25	10 (17%)	68,99,113	1.47	11 (16%)
16	CLA	B	1202	-	69,73,73	1.13	8 (11%)	82,113,113	1.41	8 (9%)
16	CLA	n	513	-	54,58,73	1.31	8 (14%)	64,95,113	1.44	8 (12%)
16	CLA	A	1106	-	69,73,73	1.14	9 (13%)	82,113,113	1.37	8 (9%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
16	CLA	n	506	-	64,68,73	1.21	9 (14%)	76,107,113	1.37	6 (7%)
16	CLA	t	517	-	59,63,73	1.26	9 (15%)	70,101,113	1.48	8 (11%)
16	CLA	A	1137	-	51,55,73	1.31	10 (19%)	60,91,113	1.55	7 (11%)
16	CLA	H	1138	-	69,73,73	1.14	9 (13%)	82,113,113	1.44	9 (10%)
13	LHG	H	849	-	42,42,48	0.69	1 (2%)	45,48,54	1.26	4 (8%)
16	CLA	o	508	-	59,63,73	1.25	9 (15%)	70,101,113	1.49	6 (8%)
16	CLA	G	1021	-	69,73,73	1.17	7 (10%)	82,113,113	1.52	7 (8%)
16	CLA	a	1140	-	69,73,73	1.15	9 (13%)	82,113,113	1.34	6 (7%)
16	CLA	x	516	-	50,54,73	1.38	8 (16%)	59,90,113	1.49	6 (10%)
19	BCR	q	603	-	41,41,41	1.06	2 (4%)	56,56,56	1.30	6 (10%)
19	BCR	s	604	-	41,41,41	1.10	2 (4%)	56,56,56	1.29	6 (10%)
19	BCR	j	4012	-	41,41,41	1.14	2 (4%)	56,56,56	1.43	9 (16%)
19	BCR	K	1501	-	41,41,41	1.10	2 (4%)	56,56,56	1.27	5 (8%)
16	CLA	G	1227	-	53,57,73	1.32	9 (16%)	61,93,113	1.52	6 (9%)
19	BCR	A	4002	-	41,41,41	1.11	2 (4%)	56,56,56	1.23	5 (8%)
19	BCR	T	1501	-	41,41,41	1.09	3 (7%)	56,56,56	1.27	5 (8%)
16	CLA	W	508	-	59,63,73	1.26	8 (13%)	70,101,113	1.38	8 (11%)
16	CLA	G	1213	-	59,63,73	1.25	9 (15%)	70,101,113	1.40	5 (7%)
19	BCR	H	4007	-	41,41,41	1.12	3 (7%)	56,56,56	1.36	7 (12%)
19	BCR	s	603	-	41,41,41	1.08	3 (7%)	56,56,56	1.38	8 (14%)
16	CLA	Y	503	-	50,54,73	1.35	8 (16%)	59,90,113	1.55	5 (8%)
16	CLA	b	1023	-	69,73,73	1.16	10 (14%)	82,113,113	1.68	13 (15%)
16	CLA	H	1111	-	59,63,73	1.25	10 (16%)	70,101,113	1.44	7 (10%)
16	CLA	b	1203	-	69,73,73	1.16	9 (13%)	82,113,113	1.38	6 (7%)
19	BCR	x	602	-	41,41,41	1.00	2 (4%)	56,56,56	1.35	7 (12%)
16	CLA	t	511	-	69,73,73	1.18	9 (13%)	82,113,113	1.33	7 (8%)
14	LMG	b	848	-	43,43,55	0.79	1 (2%)	51,51,63	1.32	7 (13%)
16	CLA	W	513	-	54,58,73	1.32	8 (14%)	64,95,113	1.44	7 (10%)
16	CLA	g	512	-	49,53,73	1.37	8 (16%)	58,89,113	1.52	7 (12%)
16	CLA	A	1022	-	69,73,73	1.22	9 (13%)	82,113,113	1.41	9 (10%)
16	CLA	b	1212	-	49,53,73	1.36	9 (18%)	58,89,113	1.54	7 (12%)
16	CLA	u	504	-	64,68,73	1.23	9 (14%)	76,107,113	1.36	6 (7%)
16	CLA	A	1108	-	49,53,73	1.36	8 (16%)	58,89,113	1.54	7 (12%)
16	CLA	Y	507	-	69,73,73	1.18	8 (11%)	82,113,113	1.31	6 (7%)
16	CLA	o	504	-	64,68,73	1.22	9 (14%)	76,107,113	1.34	5 (6%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
16	CLA	H	1107	-	54,58,73	1.31	9 (16%)	64,95,113	1.65	8 (12%)
16	CLA	B	1234	-	54,58,73	1.31	8 (14%)	64,95,113	1.54	7 (10%)
16	CLA	G	1216	-	51,55,73	1.36	9 (17%)	60,91,113	1.48	6 (10%)
16	CLA	X	512	-	49,53,73	1.37	9 (18%)	58,89,113	1.55	7 (12%)
19	BCR	G	4010	-	41,41,41	1.15	3 (7%)	56,56,56	1.39	11 (19%)
16	CLA	A	1114	-	53,57,73	1.33	8 (15%)	61,93,113	1.46	6 (9%)
19	BCR	u	603	-	41,41,41	1.09	2 (4%)	56,56,56	1.33	7 (12%)
16	CLA	Q	1301	-	49,53,73	1.38	9 (18%)	58,89,113	1.58	9 (15%)
16	CLA	X	509	-	64,68,73	1.21	9 (14%)	76,107,113	1.39	8 (10%)
14	LMG	A	4101	-	46,46,55	0.83	1 (2%)	54,54,63	1.32	6 (11%)
16	CLA	r	506	-	64,68,73	1.21	7 (10%)	76,107,113	1.45	6 (7%)
16	CLA	k	1401	-	49,53,73	1.38	10 (20%)	58,89,113	1.56	7 (12%)
16	CLA	o	511	-	69,73,73	1.16	10 (14%)	82,113,113	1.39	9 (10%)
16	CLA	v	516	-	50,54,73	1.36	8 (16%)	59,90,113	1.47	5 (8%)
16	CLA	h	515	-	64,68,73	1.22	8 (12%)	76,107,113	1.38	6 (7%)
16	CLA	n	508	-	59,63,73	1.25	8 (13%)	70,101,113	1.39	7 (10%)
18	SF4	c	102	3	0,12,12	-	-	-		
14	LMG	H	4101	-	46,46,55	0.84	1 (2%)	54,54,63	1.32	6 (11%)
16	CLA	A	1133	-	58,62,73	1.26	8 (13%)	68,99,113	1.43	6 (8%)
16	CLA	a	1101	-	69,73,73	1.15	9 (13%)	82,113,113	1.37	9 (10%)
16	CLA	s	515	-	69,73,73	1.16	8 (11%)	82,113,113	1.36	6 (7%)
15	CL0	a	1011	-	69,73,73	1.18	10 (14%)	82,113,113	1.54	14 (17%)
16	CLA	g	508	-	59,63,73	1.27	8 (13%)	70,101,113	1.38	5 (7%)
16	CLA	v	511	-	69,73,73	1.17	9 (13%)	82,113,113	1.35	9 (10%)
16	CLA	A	1136	-	69,73,73	1.15	9 (13%)	82,113,113	1.37	9 (10%)
16	CLA	B	1204	-	69,73,73	1.13	8 (11%)	82,113,113	1.37	6 (7%)
16	CLA	A	1131	-	69,73,73	1.15	10 (14%)	82,113,113	1.41	10 (12%)
16	CLA	s	514	-	54,58,73	1.31	9 (16%)	64,95,113	1.46	8 (12%)
16	CLA	A	1138	-	69,73,73	1.14	9 (13%)	82,113,113	1.43	9 (10%)
16	CLA	o	505	-	69,73,73	1.16	8 (11%)	82,113,113	1.34	6 (7%)
16	CLA	x	506	-	64,68,73	1.22	9 (14%)	76,107,113	1.41	7 (9%)
16	CLA	u	513	-	54,58,73	1.31	8 (14%)	64,95,113	1.45	6 (9%)
19	BCR	m	4021	-	41,41,41	1.09	2 (4%)	56,56,56	1.27	6 (10%)
19	BCR	h	604	-	41,41,41	1.05	2 (4%)	56,56,56	1.36	8 (14%)
19	BCR	G	4006	-	25,25,41	1.09	2 (8%)	33,33,56	1.43	6 (18%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
16	CLA	H	1135	-	55,59,73	1.28	8 (14%)	64,96,113	1.47	8 (12%)
19	BCR	a	4011	-	41,41,41	1.10	2 (4%)	56,56,56	1.38	8 (14%)
14	LMG	a	852	-	38,38,55	0.92	1 (2%)	46,46,63	1.25	5 (10%)
16	CLA	b	1021	-	69,73,73	1.16	7 (10%)	82,113,113	1.52	8 (9%)
16	CLA	v	505	-	64,68,73	1.21	8 (12%)	76,107,113	1.36	7 (9%)
16	CLA	Z	505	-	69,73,73	1.16	8 (11%)	82,113,113	1.31	6 (7%)
16	CLA	a	1139	-	55,59,73	1.30	9 (16%)	64,96,113	1.48	6 (9%)
16	CLA	x	501	-	54,58,73	1.32	8 (14%)	64,95,113	1.46	6 (9%)
16	CLA	Z	514	-	54,58,73	1.31	9 (16%)	64,95,113	1.47	8 (12%)
16	CLA	l	1502	-	69,73,73	1.15	9 (13%)	82,113,113	1.39	7 (8%)
19	BCR	k	1501	-	41,41,41	1.10	3 (7%)	56,56,56	1.27	5 (8%)
16	CLA	H	1116	-	58,62,73	1.25	10 (17%)	68,99,113	1.47	11 (16%)
16	CLA	h	509	-	64,68,73	1.21	9 (14%)	76,107,113	1.36	7 (9%)
16	CLA	w	514	-	54,58,73	1.32	9 (16%)	64,95,113	1.46	7 (10%)
16	CLA	G	1230	-	49,53,73	1.35	9 (18%)	58,89,113	1.62	9 (15%)
16	CLA	a	1137	-	51,55,73	1.31	10 (19%)	60,91,113	1.55	6 (10%)
19	BCR	s	601	-	41,41,41	1.08	2 (4%)	56,56,56	1.38	10 (17%)
16	CLA	q	517	-	59,63,73	1.25	8 (13%)	70,101,113	1.52	10 (14%)
16	CLA	x	514	-	54,58,73	1.33	9 (16%)	64,95,113	1.47	7 (10%)
16	CLA	s	507	-	69,73,73	1.18	8 (11%)	82,113,113	1.31	7 (8%)
16	CLA	b	1204	-	69,73,73	1.13	8 (11%)	82,113,113	1.38	6 (7%)
16	CLA	L	1503	-	69,73,73	1.15	8 (11%)	82,113,113	1.35	10 (12%)
20	LMT	L	4101	-	36,36,36	1.12	5 (13%)	47,47,47	1.08	4 (8%)
16	CLA	y	506	-	64,68,73	1.22	8 (12%)	76,107,113	1.43	7 (9%)
16	CLA	B	1216	-	51,55,73	1.36	10 (19%)	60,91,113	1.49	6 (10%)
16	CLA	x	512	-	49,53,73	1.37	9 (18%)	58,89,113	1.53	6 (10%)
16	CLA	J	1302	-	49,53,73	1.38	9 (18%)	58,89,113	1.51	6 (10%)
16	CLA	A	1113	-	49,53,73	1.37	8 (16%)	58,89,113	1.60	8 (13%)
16	CLA	r	514	-	54,58,73	1.31	8 (14%)	64,95,113	1.48	10 (15%)
16	CLA	o	512	-	49,53,73	1.37	8 (16%)	58,89,113	1.57	8 (13%)
16	CLA	p	503	-	50,54,73	1.36	8 (16%)	59,90,113	1.51	5 (8%)
16	CLA	Y	502	-	54,58,73	1.29	9 (16%)	64,95,113	1.51	10 (15%)
16	CLA	u	507	-	69,73,73	1.18	9 (13%)	82,113,113	1.32	7 (8%)
19	BCR	B	4005	-	41,41,41	1.13	3 (7%)	56,56,56	1.40	7 (12%)
16	CLA	p	501	-	54,58,73	1.31	9 (16%)	64,95,113	1.44	7 (10%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
16	CLA	p	516	-	50,54,73	1.36	9 (18%)	59,90,113	1.52	6 (10%)
16	CLA	G	1231	-	49,53,73	1.38	9 (18%)	58,89,113	1.57	8 (13%)
16	CLA	B	1239	-	69,73,73	1.17	8 (11%)	82,113,113	1.41	6 (7%)
14	LMG	a	4101	-	46,46,55	0.83	1 (2%)	54,54,63	1.32	6 (11%)
16	CLA	a	1402	-	45,49,73	1.41	9 (20%)	54,83,113	1.51	4 (7%)
16	CLA	W	506	-	64,68,73	1.21	9 (14%)	76,107,113	1.44	8 (10%)
19	BCR	B	4006	-	25,25,41	1.08	2 (8%)	33,33,56	1.43	6 (18%)
16	CLA	h	501	-	50,54,73	1.35	8 (16%)	59,90,113	1.47	5 (8%)
16	CLA	h	516	-	50,54,73	1.36	8 (16%)	59,90,113	1.49	5 (8%)
16	CLA	A	1109	-	69,73,73	1.15	9 (13%)	82,113,113	1.44	7 (8%)
16	CLA	o	516	-	50,54,73	1.35	8 (16%)	59,90,113	1.46	5 (8%)
16	CLA	G	1201	-	58,62,73	1.25	9 (15%)	68,99,113	1.52	9 (13%)
19	BCR	Z	601	-	41,41,41	1.05	2 (4%)	56,56,56	1.33	8 (14%)
19	BCR	r	602	-	41,41,41	0.99	2 (4%)	56,56,56	1.34	8 (14%)
16	CLA	b	1216	-	51,55,73	1.36	8 (15%)	60,91,113	1.47	6 (10%)
13	LHG	a	849	-	42,42,48	0.69	1 (2%)	45,48,54	1.26	4 (8%)
16	CLA	Z	511	-	69,73,73	1.16	9 (13%)	82,113,113	1.41	9 (10%)
16	CLA	h	506	-	64,68,73	1.21	9 (14%)	76,107,113	1.41	7 (9%)
16	CLA	w	510	-	64,68,73	1.21	8 (12%)	76,107,113	1.35	7 (9%)
16	CLA	a	1102	-	60,64,73	1.24	10 (16%)	71,102,113	1.50	9 (12%)
16	CLA	A	1104	-	69,73,73	1.16	9 (13%)	82,113,113	1.40	5 (6%)
16	CLA	u	512	-	49,53,73	1.37	9 (18%)	58,89,113	1.57	8 (13%)
16	CLA	b	1213	-	59,63,73	1.24	9 (15%)	70,101,113	1.41	5 (7%)
16	CLA	x	510	-	59,63,73	1.27	9 (15%)	70,101,113	1.37	7 (10%)
16	CLA	X	516	-	50,54,73	1.36	8 (16%)	59,90,113	1.47	5 (8%)
16	CLA	S	1303	-	41,45,73	1.45	9 (21%)	50,78,113	1.60	5 (10%)
19	BCR	X	601	-	41,41,41	1.11	3 (7%)	56,56,56	1.35	9 (16%)
16	CLA	a	1127	-	69,73,73	1.17	9 (13%)	82,113,113	1.38	8 (9%)
14	LMG	Y	701	-	39,39,55	0.87	1 (2%)	47,47,63	1.25	4 (8%)
16	CLA	B	1236	-	69,73,73	1.14	9 (13%)	82,113,113	1.36	8 (9%)
16	CLA	W	510	-	69,73,73	1.17	7 (10%)	82,113,113	1.33	9 (10%)
16	CLA	a	1111	-	59,63,73	1.25	9 (15%)	70,101,113	1.44	8 (11%)
16	CLA	v	506	-	64,68,73	1.21	7 (10%)	76,107,113	1.41	8 (10%)
16	CLA	H	1136	-	69,73,73	1.15	9 (13%)	82,113,113	1.37	9 (10%)
16	CLA	r	505	-	50,54,73	1.36	8 (16%)	59,90,113	1.49	6 (10%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
20	LMT	l	4101	-	36,36,36	1.11	5 (13%)	47,47,47	1.07	4 (8%)
16	CLA	a	1106	-	69,73,73	1.14	9 (13%)	82,113,113	1.37	8 (9%)
16	CLA	o	502	-	54,58,73	1.32	8 (14%)	64,95,113	1.51	9 (14%)
16	CLA	q	505	-	69,73,73	1.17	8 (11%)	82,113,113	1.34	6 (7%)
16	CLA	G	1208	-	49,53,73	1.37	8 (16%)	58,89,113	1.54	5 (8%)
16	CLA	G	1221	-	69,73,73	1.17	10 (14%)	82,113,113	1.36	9 (10%)
19	BCR	b	4017	-	41,41,41	1.17	3 (7%)	56,56,56	1.32	9 (16%)
16	CLA	G	1229	-	62,66,73	1.22	9 (14%)	73,104,113	1.43	7 (9%)
16	CLA	v	504	-	64,68,73	1.21	8 (12%)	76,107,113	1.41	7 (9%)
16	CLA	n	517	-	59,63,73	1.25	9 (15%)	70,101,113	1.46	9 (12%)
16	CLA	q	506	-	64,68,73	1.22	9 (14%)	76,107,113	1.38	7 (9%)
16	CLA	q	510	-	64,68,73	1.22	8 (12%)	76,107,113	1.36	7 (9%)
16	CLA	y	510	-	64,68,73	1.20	8 (12%)	76,107,113	1.38	9 (11%)
16	CLA	H	1121	-	55,59,73	1.30	9 (16%)	64,96,113	1.46	5 (7%)
16	CLA	u	503	-	50,54,73	1.36	8 (16%)	59,90,113	1.52	6 (10%)
16	CLA	t	514	-	54,58,73	1.33	9 (16%)	64,95,113	1.46	7 (10%)
16	CLA	W	509	-	64,68,73	1.22	9 (14%)	76,107,113	1.33	5 (6%)
16	CLA	p	508	-	59,63,73	1.25	9 (15%)	70,101,113	1.41	6 (8%)
19	BCR	a	4008	-	41,41,41	1.17	3 (7%)	56,56,56	1.41	7 (12%)
16	CLA	W	517	-	59,63,73	1.26	9 (15%)	70,101,113	1.47	8 (11%)
19	BCR	b	4006	-	25,25,41	1.09	2 (8%)	33,33,56	1.44	6 (18%)
19	BCR	w	602	-	41,41,41	1.05	2 (4%)	56,56,56	1.27	7 (12%)
16	CLA	B	1235	-	66,70,73	1.20	9 (13%)	78,109,113	1.52	9 (11%)
16	CLA	n	512	-	49,53,73	1.39	9 (18%)	58,89,113	1.53	7 (12%)
16	CLA	H	1108	-	49,53,73	1.37	9 (18%)	58,89,113	1.54	8 (13%)
16	CLA	H	1130	-	69,73,73	1.16	10 (14%)	82,113,113	1.35	10 (12%)
16	CLA	g	513	-	54,58,73	1.32	8 (14%)	64,95,113	1.46	6 (9%)
19	BCR	B	4017	-	41,41,41	1.17	3 (7%)	56,56,56	1.33	9 (16%)
16	CLA	q	509	-	60,64,73	1.25	9 (15%)	71,102,113	1.37	10 (14%)
16	CLA	u	501	-	54,58,73	1.31	8 (14%)	64,95,113	1.47	8 (12%)
17	PQN	G	2002	-	34,34,34	0.39	0	43,45,45	1.18	2 (4%)
16	CLA	g	502	-	54,58,73	1.31	9 (16%)	64,95,113	1.42	7 (10%)
16	CLA	y	509	-	64,68,73	1.20	9 (14%)	76,107,113	1.37	10 (13%)
16	CLA	H	1101	-	69,73,73	1.15	9 (13%)	82,113,113	1.37	9 (10%)
16	CLA	H	1022	-	69,73,73	1.22	8 (11%)	82,113,113	1.42	9 (10%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
19	BCR	n	603	-	41,41,41	1.11	3 (7%)	56,56,56	1.34	8 (14%)
16	CLA	A	1115	-	58,62,73	1.26	9 (15%)	68,99,113	1.45	7 (10%)
16	CLA	v	512	-	49,53,73	1.37	9 (18%)	58,89,113	1.58	8 (13%)
16	CLA	g	510	-	59,63,73	1.27	8 (13%)	70,101,113	1.40	8 (11%)
16	CLA	H	1120	-	53,57,73	1.30	9 (16%)	61,93,113	1.54	7 (11%)
16	CLA	A	1130	-	69,73,73	1.17	11 (15%)	82,113,113	1.36	10 (12%)
19	BCR	a	4002	-	41,41,41	1.12	2 (4%)	56,56,56	1.23	6 (10%)
16	CLA	r	501	-	54,58,73	1.31	8 (14%)	64,95,113	1.45	6 (9%)
16	CLA	b	1201	-	58,62,73	1.25	9 (15%)	68,99,113	1.52	9 (13%)
16	CLA	A	1139	-	55,59,73	1.30	9 (16%)	64,96,113	1.48	6 (9%)
16	CLA	X	508	-	59,63,73	1.25	9 (15%)	70,101,113	1.49	6 (8%)
16	CLA	o	515	-	69,73,73	1.16	9 (13%)	82,113,113	1.32	5 (6%)
16	CLA	G	1212	-	49,53,73	1.36	8 (16%)	58,89,113	1.53	7 (12%)
19	BCR	h	602	-	41,41,41	1.10	2 (4%)	56,56,56	1.21	4 (7%)
16	CLA	a	1125	-	69,73,73	1.16	10 (14%)	82,113,113	1.39	9 (10%)
19	BCR	s	602	-	41,41,41	1.03	2 (4%)	56,56,56	1.39	8 (14%)
16	CLA	g	509	-	64,68,73	1.21	9 (14%)	76,107,113	1.34	7 (9%)
16	CLA	G	1238	-	69,73,73	1.17	9 (13%)	82,113,113	1.40	7 (8%)
16	CLA	s	502	-	54,58,73	1.29	8 (14%)	64,95,113	1.48	9 (14%)
16	CLA	G	1232	-	49,53,73	1.40	9 (18%)	58,89,113	1.52	5 (8%)
16	CLA	a	1116	-	58,62,73	1.25	10 (17%)	68,99,113	1.47	11 (16%)
16	CLA	Q	1302	-	27,35,73	1.84	7 (25%)	32,60,113	1.62	4 (12%)
16	CLA	H	1103	-	69,73,73	1.16	8 (11%)	82,113,113	1.42	6 (7%)
19	BCR	u	601	-	41,41,41	1.09	2 (4%)	56,56,56	1.33	8 (14%)
16	CLA	g	504	-	64,68,73	1.22	9 (14%)	76,107,113	1.34	7 (9%)
16	CLA	x	503	-	50,54,73	1.37	8 (16%)	59,90,113	1.48	6 (10%)
16	CLA	X	515	-	69,73,73	1.15	8 (11%)	82,113,113	1.34	5 (6%)
16	CLA	B	1238	-	69,73,73	1.17	9 (13%)	82,113,113	1.38	7 (8%)
16	CLA	Z	507	-	69,73,73	1.17	8 (11%)	82,113,113	1.32	6 (7%)
16	CLA	a	1105	-	62,66,73	1.20	9 (14%)	73,104,113	1.43	7 (9%)
16	CLA	r	512	-	49,53,73	1.37	9 (18%)	58,89,113	1.54	6 (10%)
16	CLA	K	1401	-	49,53,73	1.37	10 (20%)	58,89,113	1.55	7 (12%)
16	CLA	r	511	-	69,73,73	1.16	9 (13%)	82,113,113	1.35	8 (9%)
16	CLA	g	505	-	50,54,73	1.35	9 (18%)	59,90,113	1.50	6 (10%)
16	CLA	H	1801	-	56,60,73	1.27	9 (16%)	65,97,113	1.44	6 (9%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
16	CLA	X	504	-	64,68,73	1.23	9 (14%)	76,107,113	1.34	6 (7%)
19	BCR	y	603	-	41,41,41	1.08	2 (4%)	56,56,56	1.38	7 (12%)
19	BCR	Y	604	-	41,41,41	1.10	2 (4%)	56,56,56	1.29	6 (10%)
19	BCR	o	603	-	41,41,41	1.09	2 (4%)	56,56,56	1.33	7 (12%)
16	CLA	H	1109	-	69,73,73	1.15	9 (13%)	82,113,113	1.44	7 (8%)
16	CLA	n	505	-	69,73,73	1.18	9 (13%)	82,113,113	1.32	5 (6%)
16	CLA	l	1501	-	69,73,73	1.16	9 (13%)	82,113,113	1.40	8 (9%)
16	CLA	a	1135	-	55,59,73	1.28	8 (14%)	64,96,113	1.46	8 (12%)
19	BCR	g	604	-	41,41,41	1.04	2 (4%)	56,56,56	1.37	9 (16%)
18	SF4	C	102	3	0,12,12	-	-	-		
17	PQN	b	2002	-	34,34,34	0.38	0	43,45,45	1.18	2 (4%)
16	CLA	W	505	-	69,73,73	1.18	8 (11%)	82,113,113	1.33	5 (6%)
14	LMG	A	4201	-	32,32,55	1.00	1 (3%)	40,40,63	1.13	4 (10%)
16	CLA	x	511	-	69,73,73	1.16	9 (13%)	82,113,113	1.36	8 (9%)
16	CLA	a	1117	-	69,73,73	1.15	9 (13%)	82,113,113	1.38	7 (8%)
17	PQN	B	2002	-	34,34,34	0.38	0	43,45,45	1.18	2 (4%)
19	BCR	g	603	-	41,41,41	1.08	2 (4%)	56,56,56	1.34	7 (12%)
16	CLA	J	1303	-	41,45,73	1.44	9 (21%)	50,78,113	1.60	6 (12%)
16	CLA	H	1134	-	49,53,73	1.37	9 (18%)	58,89,113	1.58	7 (12%)
16	CLA	a	1110	-	58,62,73	1.26	9 (15%)	68,99,113	1.44	7 (10%)
19	BCR	X	604	-	41,41,41	1.04	2 (4%)	56,56,56	1.35	10 (17%)
16	CLA	H	1104	-	69,73,73	1.16	9 (13%)	82,113,113	1.39	5 (6%)
16	CLA	a	1013	-	69,73,73	1.18	10 (14%)	82,113,113	1.60	12 (14%)
16	CLA	u	502	-	54,58,73	1.32	7 (12%)	64,95,113	1.49	10 (15%)
16	CLA	H	1126	-	69,73,73	1.15	9 (13%)	82,113,113	1.44	10 (12%)
16	CLA	q	504	-	64,68,73	1.21	8 (12%)	76,107,113	1.36	6 (7%)
16	CLA	y	505	-	64,68,73	1.22	8 (12%)	76,107,113	1.37	7 (9%)
16	CLA	g	503	-	50,54,73	1.37	8 (16%)	59,90,113	1.49	6 (10%)
16	CLA	B	1220	-	58,62,73	1.26	9 (15%)	68,99,113	1.52	10 (14%)
16	CLA	B	1203	-	69,73,73	1.16	8 (11%)	82,113,113	1.39	6 (7%)
16	CLA	h	510	-	64,68,73	1.21	8 (12%)	76,107,113	1.40	11 (14%)
13	LHG	R	103	-	43,43,48	0.66	2 (4%)	46,49,54	1.28	5 (10%)
16	CLA	h	514	-	54,58,73	1.33	8 (14%)	64,95,113	1.44	7 (10%)
19	BCR	b	4004	-	41,41,41	1.07	2 (4%)	56,56,56	1.26	5 (8%)
20	LMT	U	4101	-	36,36,36	1.12	5 (13%)	47,47,47	1.08	4 (8%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
19	BCR	B	4004	-	41,41,41	1.07	2 (4%)	56,56,56	1.26	5 (8%)
16	CLA	a	1136	-	69,73,73	1.16	9 (13%)	82,113,113	1.37	9 (10%)
16	CLA	s	511	-	69,73,73	1.18	9 (13%)	82,113,113	1.33	6 (7%)
19	BCR	L	4022	-	41,41,41	1.08	1 (2%)	56,56,56	1.55	11 (19%)
16	CLA	b	1208	-	49,53,73	1.37	9 (18%)	58,89,113	1.52	5 (8%)
16	CLA	G	1012	-	64,68,73	1.24	10 (15%)	76,107,113	1.51	10 (13%)
16	CLA	G	1219	-	49,53,73	1.38	8 (16%)	58,89,113	1.55	6 (10%)
16	CLA	W	503	-	50,54,73	1.35	7 (14%)	59,90,113	1.52	8 (13%)
16	CLA	v	514	-	54,58,73	1.33	8 (14%)	64,95,113	1.46	7 (10%)
16	CLA	g	516	-	50,54,73	1.37	8 (16%)	59,90,113	1.50	7 (11%)
16	CLA	G	1207	-	69,73,73	1.17	9 (13%)	82,113,113	1.37	6 (7%)
14	LMG	A	852	-	38,38,55	0.92	1 (2%)	46,46,63	1.25	5 (10%)
16	CLA	A	1129	-	54,58,73	1.30	9 (16%)	64,95,113	1.46	8 (12%)
16	CLA	u	516	-	50,54,73	1.36	9 (18%)	59,90,113	1.46	5 (8%)
19	BCR	i	4018	-	41,41,41	1.14	2 (4%)	56,56,56	1.32	6 (10%)
16	CLA	a	1121	-	55,59,73	1.31	8 (14%)	64,96,113	1.47	5 (7%)
16	CLA	p	502	-	54,58,73	1.30	7 (12%)	64,95,113	1.45	7 (10%)
16	CLA	W	515	-	69,73,73	1.16	9 (13%)	82,113,113	1.33	6 (7%)
16	CLA	a	1128	-	69,73,73	1.22	9 (13%)	82,113,113	1.55	11 (13%)
16	CLA	p	515	-	69,73,73	1.16	8 (11%)	82,113,113	1.35	9 (10%)
16	CLA	b	1221	-	69,73,73	1.17	10 (14%)	82,113,113	1.36	8 (9%)
16	CLA	F	1302	-	27,35,73	1.84	7 (25%)	32,60,113	1.64	5 (15%)
19	BCR	X	603	-	41,41,41	1.07	2 (4%)	56,56,56	1.36	8 (14%)
16	CLA	B	1212	-	49,53,73	1.37	8 (16%)	58,89,113	1.54	7 (12%)
16	CLA	A	1140	-	69,73,73	1.15	9 (13%)	82,113,113	1.34	6 (7%)
16	CLA	Z	517	-	59,63,73	1.25	8 (13%)	70,101,113	1.52	11 (15%)
16	CLA	G	1236	-	69,73,73	1.15	9 (13%)	82,113,113	1.36	10 (12%)
16	CLA	v	503	-	50,54,73	1.37	8 (16%)	59,90,113	1.48	5 (8%)
19	BCR	R	4020	-	41,41,41	1.22	3 (7%)	56,56,56	1.26	6 (10%)
15	CL0	H	1011	-	69,73,73	1.18	10 (14%)	82,113,113	1.54	14 (17%)
19	BCR	p	604	-	41,41,41	1.10	2 (4%)	56,56,56	1.30	6 (10%)
16	CLA	q	516	-	50,54,73	1.38	8 (16%)	59,90,113	1.50	6 (10%)
16	CLA	G	1222	-	59,63,73	1.26	9 (15%)	70,101,113	1.45	6 (8%)
16	CLA	w	502	-	54,58,73	1.32	8 (14%)	64,95,113	1.49	8 (12%)
19	BCR	u	604	-	41,41,41	1.04	2 (4%)	56,56,56	1.33	9 (16%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
16	CLA	a	1130	-	69,73,73	1.17	11 (15%)	82,113,113	1.35	10 (12%)
19	BCR	Q	4016	-	41,41,41	1.10	2 (4%)	56,56,56	1.31	8 (14%)
16	CLA	H	1119	-	69,73,73	1.16	9 (13%)	82,113,113	1.36	8 (9%)
16	CLA	g	506	-	64,68,73	1.22	7 (10%)	76,107,113	1.51	10 (13%)
16	CLA	x	507	-	69,73,73	1.17	9 (13%)	82,113,113	1.34	6 (7%)
19	BCR	f	4016	-	41,41,41	1.10	2 (4%)	56,56,56	1.30	8 (14%)
19	BCR	A	4008	-	41,41,41	1.17	2 (4%)	56,56,56	1.41	7 (12%)
16	CLA	g	515	-	69,73,73	1.16	9 (13%)	82,113,113	1.33	7 (8%)
14	LMG	H	852	-	38,38,55	0.92	1 (2%)	46,46,63	1.25	5 (10%)
16	CLA	x	509	-	64,68,73	1.22	9 (14%)	76,107,113	1.34	9 (11%)
16	CLA	p	509	-	64,68,73	1.21	9 (14%)	76,107,113	1.36	10 (13%)
16	CLA	p	513	-	54,58,73	1.32	9 (16%)	64,95,113	1.43	7 (10%)
16	CLA	W	507	-	64,68,73	1.23	8 (12%)	76,107,113	1.34	7 (9%)
13	LHG	I	103	-	43,43,48	0.66	2 (4%)	46,49,54	1.28	5 (10%)
16	CLA	a	1103	-	69,73,73	1.16	8 (11%)	82,113,113	1.42	6 (7%)
16	CLA	X	502	-	54,58,73	1.31	9 (16%)	64,95,113	1.50	8 (12%)
16	CLA	s	513	-	54,58,73	1.32	9 (16%)	64,95,113	1.45	7 (10%)
19	BCR	a	4003	-	41,41,41	1.08	2 (4%)	56,56,56	1.27	6 (10%)
16	CLA	p	504	-	64,68,73	1.21	9 (14%)	76,107,113	1.39	6 (7%)
16	CLA	g	514	-	54,58,73	1.32	8 (14%)	64,95,113	1.46	6 (9%)
16	CLA	A	1135	-	55,59,73	1.28	9 (16%)	64,96,113	1.47	8 (12%)
16	CLA	o	503	-	50,54,73	1.35	8 (16%)	59,90,113	1.52	6 (10%)
16	CLA	X	511	-	69,73,73	1.16	10 (14%)	82,113,113	1.38	8 (9%)
16	CLA	q	507	-	69,73,73	1.18	8 (11%)	82,113,113	1.32	6 (7%)
16	CLA	Z	508	-	59,63,73	1.26	8 (13%)	70,101,113	1.43	6 (8%)
16	CLA	U	1502	-	69,73,73	1.15	9 (13%)	82,113,113	1.38	7 (8%)
16	CLA	y	507	-	69,73,73	1.18	9 (13%)	82,113,113	1.31	6 (7%)
16	CLA	r	517	-	59,63,73	1.25	8 (13%)	70,101,113	1.41	8 (11%)
16	CLA	o	507	-	69,73,73	1.17	9 (13%)	82,113,113	1.31	7 (8%)
16	CLA	w	508	-	59,63,73	1.26	8 (13%)	70,101,113	1.42	5 (7%)
16	CLA	b	1207	-	69,73,73	1.18	8 (11%)	82,113,113	1.38	6 (7%)
15	CL0	A	1011	-	69,73,73	1.18	10 (14%)	82,113,113	1.55	14 (17%)
19	BCR	U	4022	-	41,41,41	1.08	2 (4%)	56,56,56	1.55	10 (17%)
16	CLA	Y	510	-	69,73,73	1.16	9 (13%)	82,113,113	1.33	9 (10%)
13	LHG	A	851	-	26,26,48	0.87	1 (3%)	29,32,54	1.36	3 (10%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
16	CLA	u	515	-	69,73,73	1.16	8 (11%)	82,113,113	1.34	6 (7%)
16	CLA	b	1230	-	49,53,73	1.36	9 (18%)	58,89,113	1.61	9 (15%)
16	CLA	B	1021	-	69,73,73	1.16	7 (10%)	82,113,113	1.52	7 (8%)
16	CLA	b	1227	-	53,57,73	1.31	9 (16%)	61,93,113	1.50	7 (11%)
19	BCR	v	603	-	41,41,41	1.06	2 (4%)	56,56,56	1.31	7 (12%)
16	CLA	h	508	-	59,63,73	1.28	9 (15%)	70,101,113	1.38	5 (7%)
19	BCR	o	602	-	41,41,41	1.03	2 (4%)	56,56,56	1.37	7 (12%)
16	CLA	b	1210	-	69,73,73	1.16	9 (13%)	82,113,113	1.74	12 (14%)
16	CLA	j	1302	-	49,53,73	1.37	9 (18%)	58,89,113	1.52	6 (10%)
16	CLA	Y	501	-	54,58,73	1.31	8 (14%)	64,95,113	1.44	7 (10%)
19	BCR	M	4021	-	41,41,41	1.09	2 (4%)	56,56,56	1.27	7 (12%)
19	BCR	Z	602	-	41,41,41	1.07	2 (4%)	56,56,56	1.26	6 (10%)
19	BCR	q	601	-	41,41,41	1.05	2 (4%)	56,56,56	1.33	6 (10%)
16	CLA	A	1120	-	53,57,73	1.30	8 (15%)	61,93,113	1.53	7 (11%)
16	CLA	a	1124	-	69,73,73	1.16	9 (13%)	82,113,113	1.38	8 (9%)
16	CLA	b	1219	-	49,53,73	1.38	8 (16%)	58,89,113	1.55	6 (10%)
16	CLA	X	503	-	50,54,73	1.37	8 (16%)	59,90,113	1.53	6 (10%)
19	BCR	Y	602	-	41,41,41	1.04	2 (4%)	56,56,56	1.39	9 (16%)
16	CLA	g	507	-	69,73,73	1.17	9 (13%)	82,113,113	1.32	6 (7%)
18	SF4	N	102	3	0,12,12	-	-	-		
19	BCR	y	601	-	41,41,41	1.03	2 (4%)	56,56,56	1.39	8 (14%)
19	BCR	o	601	-	41,41,41	1.08	2 (4%)	56,56,56	1.33	8 (14%)
19	BCR	o	604	-	41,41,41	1.04	2 (4%)	56,56,56	1.34	10 (17%)
19	BCR	x	603	-	41,41,41	1.07	2 (4%)	56,56,56	1.30	8 (14%)
16	CLA	y	508	-	59,63,73	1.27	9 (15%)	70,101,113	1.39	5 (7%)
16	CLA	H	1129	-	54,58,73	1.30	9 (16%)	64,95,113	1.45	8 (12%)
16	CLA	A	1118	-	59,63,73	1.26	9 (15%)	70,101,113	1.43	5 (7%)
16	CLA	o	510	-	69,73,73	1.15	8 (11%)	82,113,113	1.35	6 (7%)
16	CLA	A	1119	-	69,73,73	1.16	10 (14%)	82,113,113	1.36	8 (9%)
16	CLA	v	508	-	59,63,73	1.28	9 (15%)	70,101,113	1.39	6 (8%)
19	BCR	t	603	-	41,41,41	1.10	3 (7%)	56,56,56	1.33	8 (14%)
16	CLA	f	1301	-	49,53,73	1.38	10 (20%)	58,89,113	1.57	9 (15%)
16	CLA	Y	516	-	50,54,73	1.34	9 (18%)	59,90,113	1.51	6 (10%)
16	CLA	a	1118	-	59,63,73	1.26	9 (15%)	70,101,113	1.43	5 (7%)
16	CLA	h	511	-	69,73,73	1.18	9 (13%)	82,113,113	1.35	9 (10%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
19	BCR	b	4010	-	41,41,41	1.15	3 (7%)	56,56,56	1.39	10 (17%)
16	CLA	B	1219	-	49,53,73	1.38	8 (16%)	58,89,113	1.54	6 (10%)
16	CLA	r	510	-	59,63,73	1.26	9 (15%)	70,101,113	1.39	7 (10%)
19	BCR	B	4010	-	41,41,41	1.16	3 (7%)	56,56,56	1.39	10 (17%)
16	CLA	x	517	-	59,63,73	1.26	9 (15%)	70,101,113	1.39	6 (8%)
16	CLA	p	506	-	64,68,73	1.22	8 (12%)	76,107,113	1.40	7 (9%)
16	CLA	t	508	-	59,63,73	1.26	8 (13%)	70,101,113	1.40	7 (10%)
19	BCR	g	601	-	41,41,41	1.05	2 (4%)	56,56,56	1.34	7 (12%)
16	CLA	b	1229	-	62,66,73	1.22	9 (14%)	73,104,113	1.43	7 (9%)
13	LHG	H	851	-	26,26,48	0.87	1 (3%)	29,32,54	1.36	3 (10%)
19	BCR	V	4021	-	41,41,41	1.10	2 (4%)	56,56,56	1.27	7 (12%)
16	CLA	A	1801	-	56,60,73	1.28	9 (16%)	65,97,113	1.44	7 (10%)
16	CLA	G	1205	-	69,73,73	1.15	7 (10%)	82,113,113	1.51	9 (10%)
16	CLA	x	515	-	69,73,73	1.15	9 (13%)	82,113,113	1.30	5 (6%)
16	CLA	x	505	-	50,54,73	1.35	9 (18%)	59,90,113	1.49	6 (10%)
16	CLA	a	1131	-	69,73,73	1.15	10 (14%)	82,113,113	1.42	10 (12%)
16	CLA	t	502	-	54,58,73	1.29	7 (12%)	64,95,113	1.56	9 (14%)
16	CLA	A	1101	-	69,73,73	1.14	9 (13%)	82,113,113	1.36	9 (10%)
16	CLA	W	502	-	54,58,73	1.31	8 (14%)	64,95,113	1.44	6 (9%)
19	BCR	b	4009	-	41,41,41	1.06	2 (4%)	56,56,56	1.38	9 (16%)
16	CLA	a	1122	-	63,67,73	1.20	9 (14%)	74,105,113	1.38	7 (9%)
16	CLA	H	1127	-	69,73,73	1.17	10 (14%)	82,113,113	1.39	7 (8%)
16	CLA	s	517	-	59,63,73	1.25	9 (15%)	70,101,113	1.40	5 (7%)
16	CLA	q	501	-	54,58,73	1.31	8 (14%)	64,95,113	1.42	6 (9%)
16	CLA	b	1240	-	54,58,73	1.32	9 (16%)	64,95,113	1.45	6 (9%)
16	CLA	Y	517	-	59,63,73	1.26	8 (13%)	70,101,113	1.42	7 (10%)
16	CLA	q	508	-	59,63,73	1.26	8 (13%)	70,101,113	1.42	5 (7%)
16	CLA	B	1201	-	58,62,73	1.25	9 (15%)	68,99,113	1.51	9 (13%)
16	CLA	o	501	-	54,58,73	1.32	8 (14%)	64,95,113	1.47	7 (10%)
16	CLA	w	506	-	64,68,73	1.22	9 (14%)	76,107,113	1.36	6 (7%)
16	CLA	A	1102	-	60,64,73	1.24	10 (16%)	71,102,113	1.51	9 (12%)
16	CLA	H	1106	-	69,73,73	1.14	9 (13%)	82,113,113	1.37	8 (9%)
16	CLA	G	1218	-	59,63,73	1.26	9 (15%)	70,101,113	1.43	5 (7%)
16	CLA	Z	502	-	54,58,73	1.32	9 (16%)	64,95,113	1.50	8 (12%)
16	CLA	s	501	-	54,58,73	1.32	8 (14%)	64,95,113	1.43	7 (10%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
16	CLA	B	1223	-	69,73,73	1.18	9 (13%)	82,113,113	1.36	7 (8%)
16	CLA	a	1112	-	49,53,73	1.36	9 (18%)	58,89,113	1.57	9 (15%)
16	CLA	b	1215	-	64,68,73	1.18	8 (12%)	76,107,113	1.43	8 (10%)
16	CLA	G	1202	-	69,73,73	1.15	8 (11%)	82,113,113	1.41	8 (9%)
16	CLA	p	512	-	49,53,73	1.36	9 (18%)	58,89,113	1.55	8 (13%)
19	BCR	J	4015	-	41,41,41	1.12	3 (7%)	56,56,56	1.34	8 (14%)
16	CLA	H	1402	-	45,49,73	1.41	9 (20%)	54,83,113	1.51	4 (7%)
16	CLA	Y	505	-	69,73,73	1.17	9 (13%)	82,113,113	1.39	7 (8%)
16	CLA	Z	510	-	64,68,73	1.21	8 (12%)	76,107,113	1.37	5 (6%)
16	CLA	B	1240	-	54,58,73	1.31	8 (14%)	64,95,113	1.45	6 (9%)
16	CLA	H	1237	-	69,73,73	1.18	8 (11%)	82,113,113	1.44	9 (10%)
16	CLA	Y	514	-	54,58,73	1.30	9 (16%)	64,95,113	1.49	10 (15%)
16	CLA	v	507	-	69,73,73	1.17	8 (11%)	82,113,113	1.32	6 (7%)
19	BCR	b	4014	-	41,41,41	1.14	3 (7%)	56,56,56	1.27	6 (10%)
16	CLA	b	1235	-	66,70,73	1.20	9 (13%)	78,109,113	1.52	9 (11%)
16	CLA	b	1217	-	49,53,73	1.38	9 (18%)	58,89,113	1.50	4 (6%)
16	CLA	g	501	-	54,58,73	1.31	8 (14%)	64,95,113	1.45	7 (10%)
19	BCR	n	601	-	41,41,41	1.04	2 (4%)	56,56,56	1.37	10 (17%)
19	BCR	p	601	-	41,41,41	1.09	2 (4%)	56,56,56	1.37	8 (14%)
16	CLA	a	1123	-	69,73,73	1.18	7 (10%)	82,113,113	1.38	7 (8%)
19	BCR	g	602	-	41,41,41	1.00	2 (4%)	56,56,56	1.36	7 (12%)
19	BCR	l	4022	-	41,41,41	1.08	2 (4%)	56,56,56	1.55	11 (19%)
16	CLA	b	1206	-	69,73,73	1.18	10 (14%)	82,113,113	1.44	9 (10%)
16	CLA	A	1402	-	45,49,73	1.41	9 (20%)	54,83,113	1.51	4 (7%)
16	CLA	X	514	-	54,58,73	1.33	8 (14%)	64,95,113	1.45	6 (9%)
16	CLA	p	507	-	69,73,73	1.18	9 (13%)	82,113,113	1.30	6 (7%)
16	CLA	v	501	-	50,54,73	1.35	8 (16%)	59,90,113	1.47	5 (8%)
16	CLA	a	1113	-	49,53,73	1.36	9 (18%)	58,89,113	1.61	8 (13%)
16	CLA	Y	511	-	69,73,73	1.17	9 (13%)	82,113,113	1.33	7 (8%)
18	SF4	C	101	3	0,12,12	-	-	-		
19	BCR	p	602	-	41,41,41	1.04	2 (4%)	56,56,56	1.39	8 (14%)
16	CLA	u	506	-	64,68,73	1.22	8 (12%)	76,107,113	1.39	7 (9%)
18	SF4	a	3001	1,2	0,12,12	-	-	-		
14	LMG	p	701	-	39,39,55	0.88	1 (2%)	47,47,63	1.24	4 (8%)
16	CLA	Z	503	-	50,54,73	1.36	8 (16%)	59,90,113	1.53	6 (10%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
19	BCR	H	4011	-	41,41,41	1.10	2 (4%)	56,56,56	1.38	8 (14%)
19	BCR	v	604	-	41,41,41	1.06	2 (4%)	56,56,56	1.25	6 (10%)
19	BCR	i	4020	-	41,41,41	1.22	3 (7%)	56,56,56	1.26	6 (10%)
16	CLA	G	1223	-	69,73,73	1.18	9 (13%)	82,113,113	1.35	7 (8%)
16	CLA	w	509	-	60,64,73	1.25	9 (15%)	71,102,113	1.39	10 (14%)
16	CLA	v	510	-	64,68,73	1.21	8 (12%)	76,107,113	1.39	11 (14%)
16	CLA	Z	515	-	69,73,73	1.15	8 (11%)	82,113,113	1.35	6 (7%)
16	CLA	Z	513	-	54,58,73	1.31	8 (14%)	64,95,113	1.45	7 (10%)
16	CLA	H	1125	-	69,73,73	1.16	10 (14%)	82,113,113	1.39	9 (10%)
16	CLA	b	1205	-	69,73,73	1.14	7 (10%)	82,113,113	1.51	9 (10%)
16	CLA	W	504	-	64,68,73	1.24	8 (12%)	76,107,113	1.39	8 (10%)
16	CLA	h	517	-	59,63,73	1.28	9 (15%)	70,101,113	1.39	7 (10%)
16	CLA	w	504	-	64,68,73	1.22	9 (14%)	76,107,113	1.36	6 (7%)
16	CLA	b	1231	-	49,53,73	1.39	9 (18%)	58,89,113	1.58	8 (13%)
16	CLA	Y	512	-	49,53,73	1.37	9 (18%)	58,89,113	1.57	7 (12%)
16	CLA	W	511	-	69,73,73	1.17	9 (13%)	82,113,113	1.36	7 (8%)
16	CLA	p	514	-	54,58,73	1.31	9 (16%)	64,95,113	1.46	8 (12%)
19	BCR	W	603	-	41,41,41	1.09	2 (4%)	56,56,56	1.32	7 (12%)
16	CLA	B	1209	-	49,53,73	1.38	9 (18%)	58,89,113	1.51	5 (8%)
16	CLA	a	1108	-	49,53,73	1.37	8 (16%)	58,89,113	1.52	6 (10%)
16	CLA	t	510	-	69,73,73	1.16	6 (8%)	82,113,113	1.30	6 (7%)
16	CLA	H	1133	-	58,62,73	1.26	9 (15%)	68,99,113	1.44	6 (8%)
16	CLA	y	504	-	64,68,73	1.21	9 (14%)	76,107,113	1.38	6 (7%)
16	CLA	T	1401	-	49,53,73	1.37	10 (20%)	58,89,113	1.55	7 (12%)
16	CLA	G	1217	-	49,53,73	1.38	9 (18%)	58,89,113	1.49	4 (6%)
19	BCR	S	4015	-	41,41,41	1.12	3 (7%)	56,56,56	1.34	8 (14%)
19	BCR	Z	604	-	41,41,41	1.07	2 (4%)	56,56,56	1.38	9 (16%)
16	CLA	s	505	-	69,73,73	1.17	8 (11%)	82,113,113	1.37	6 (7%)
16	CLA	q	502	-	54,58,73	1.30	9 (16%)	64,95,113	1.49	8 (12%)
19	BCR	r	603	-	41,41,41	1.08	2 (4%)	56,56,56	1.33	7 (12%)
16	CLA	A	1128	-	69,73,73	1.22	9 (13%)	82,113,113	1.54	11 (13%)
16	CLA	y	517	-	59,63,73	1.28	9 (15%)	70,101,113	1.39	7 (10%)
19	BCR	v	602	-	41,41,41	1.09	2 (4%)	56,56,56	1.20	5 (8%)
16	CLA	v	517	-	59,63,73	1.28	9 (15%)	70,101,113	1.40	7 (10%)
16	CLA	B	1230	-	49,53,73	1.36	8 (16%)	58,89,113	1.62	9 (15%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
16	CLA	w	503	-	50,54,73	1.36	9 (18%)	59,90,113	1.51	6 (10%)
19	BCR	B	4014	-	41,41,41	1.14	3 (7%)	56,56,56	1.28	6 (10%)
16	CLA	r	507	-	69,73,73	1.17	9 (13%)	82,113,113	1.33	6 (7%)
14	LMG	G	848	-	43,43,55	0.80	1 (2%)	51,51,63	1.32	7 (13%)
16	CLA	H	1124	-	69,73,73	1.15	9 (13%)	82,113,113	1.39	7 (8%)
16	CLA	t	506	-	64,68,73	1.21	9 (14%)	76,107,113	1.40	7 (9%)
17	PQN	a	2001	-	34,34,34	0.37	0	43,45,45	1.19	5 (11%)
16	CLA	G	1226	-	69,73,73	1.22	9 (13%)	82,113,113	1.48	10 (12%)
16	CLA	H	1117	-	69,73,73	1.14	9 (13%)	82,113,113	1.37	8 (9%)
16	CLA	G	1234	-	54,58,73	1.30	8 (14%)	64,95,113	1.53	7 (10%)
16	CLA	b	1220	-	58,62,73	1.26	9 (15%)	68,99,113	1.51	10 (14%)
16	CLA	w	516	-	50,54,73	1.37	9 (18%)	59,90,113	1.48	6 (10%)
16	CLA	g	511	-	69,73,73	1.16	9 (13%)	82,113,113	1.39	7 (8%)
16	CLA	G	1209	-	49,53,73	1.37	9 (18%)	58,89,113	1.52	6 (10%)
16	CLA	B	1208	-	49,53,73	1.37	8 (16%)	58,89,113	1.52	5 (8%)
16	CLA	B	1221	-	69,73,73	1.18	11 (15%)	82,113,113	1.36	8 (9%)
16	CLA	H	1110	-	58,62,73	1.27	9 (15%)	68,99,113	1.45	7 (10%)
16	CLA	B	1229	-	62,66,73	1.23	9 (14%)	73,104,113	1.44	7 (9%)
16	CLA	n	510	-	69,73,73	1.17	6 (8%)	82,113,113	1.34	8 (9%)
16	CLA	b	1209	-	49,53,73	1.38	9 (18%)	58,89,113	1.51	6 (10%)
16	CLA	G	1210	-	69,73,73	1.16	10 (14%)	82,113,113	1.75	12 (14%)
16	CLA	G	1224	-	64,68,73	1.19	11 (17%)	76,107,113	1.59	10 (13%)
19	BCR	u	602	-	41,41,41	1.03	2 (4%)	56,56,56	1.37	7 (12%)
16	CLA	X	507	-	69,73,73	1.18	8 (11%)	82,113,113	1.33	7 (8%)
16	CLA	t	501	-	54,58,73	1.31	8 (14%)	64,95,113	1.42	8 (12%)
16	CLA	b	1223	-	69,73,73	1.18	9 (13%)	82,113,113	1.36	8 (9%)
19	BCR	R	4018	-	41,41,41	1.14	2 (4%)	56,56,56	1.32	6 (10%)
16	CLA	H	1123	-	69,73,73	1.18	7 (10%)	82,113,113	1.38	7 (8%)
16	CLA	o	506	-	64,68,73	1.22	9 (14%)	76,107,113	1.38	6 (7%)
19	BCR	w	604	-	41,41,41	1.08	2 (4%)	56,56,56	1.37	11 (19%)
16	CLA	B	1207	-	69,73,73	1.17	8 (11%)	82,113,113	1.38	6 (7%)
16	CLA	a	1801	-	56,60,73	1.27	9 (16%)	65,97,113	1.44	6 (9%)
16	CLA	h	505	-	64,68,73	1.22	9 (14%)	76,107,113	1.36	7 (9%)
16	CLA	a	1138	-	69,73,73	1.14	9 (13%)	82,113,113	1.44	9 (10%)
16	CLA	B	1231	-	49,53,73	1.39	9 (18%)	58,89,113	1.57	8 (13%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
16	CLA	v	509	-	64,68,73	1.20	9 (14%)	76,107,113	1.38	9 (11%)
19	BCR	Z	603	-	41,41,41	1.06	2 (4%)	56,56,56	1.32	7 (12%)
16	CLA	a	1134	-	49,53,73	1.38	9 (18%)	58,89,113	1.59	7 (12%)

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the Chemical Component Dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
19	BCR	a	4007	-	-	7/29/63/63	0/2/2/2
14	LMG	H	4201	-	-	8/27/47/70	0/1/1/1
16	CLA	A	1123	-	-	11/39/115/115	-
16	CLA	B	1211	-	-	9/39/115/115	-
14	LMG	s	701	-	-	9/34/54/70	0/1/1/1
19	BCR	w	603	-	-	9/29/63/63	0/2/2/2
16	CLA	b	1012	-	-	16/33/109/115	-
16	CLA	A	1237	-	-	15/39/115/115	-
16	CLA	t	509	-	-	10/33/109/115	-
19	BCR	I	4020	-	-	14/29/63/63	0/2/2/2
19	BCR	J	4012	-	-	10/29/63/63	0/2/2/2
16	CLA	B	1012	-	-	16/33/109/115	-
16	CLA	U	1503	-	-	15/39/115/115	-
19	BCR	h	603	-	-	14/29/63/63	0/2/2/2
16	CLA	H	1128	-	-	11/39/115/115	-
16	CLA	Y	513	-	-	6/21/97/115	-
16	CLA	a	1237	-	-	15/39/115/115	-
16	CLA	Y	506	-	-	12/33/109/115	-
16	CLA	X	501	-	-	9/21/97/115	-
16	CLA	q	511	-	-	12/39/115/115	-
16	CLA	t	504	-	-	9/33/109/115	-
16	CLA	L	1502	-	-	12/39/115/115	-
16	CLA	B	1206	-	-	13/39/115/115	-
19	BCR	G	4009	-	-	13/29/63/63	0/2/2/2
16	CLA	H	1112	-	-	6/15/91/115	-
16	CLA	w	513	-	-	11/21/97/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	CLA	S	1302	-	-	8/15/91/115	-
16	CLA	B	1232	-	-	6/15/91/115	-
19	BCR	y	604	-	-	12/29/63/63	0/2/2/2
16	CLA	o	509	-	-	10/33/109/115	-
16	CLA	W	516	-	-	9/17/93/115	-
13	LHG	A	849	-	-	11/47/47/53	-
16	CLA	x	513	-	-	8/21/97/115	-
16	CLA	A	1013	-	-	16/39/115/115	-
19	BCR	L	4019	-	-	11/29/63/63	0/2/2/2
16	CLA	s	512	-	-	6/15/91/115	-
16	CLA	w	501	-	-	6/21/97/115	-
13	LHG	a	851	-	-	11/31/31/53	-
19	BCR	A	4007	-	-	7/29/63/63	0/2/2/2
16	CLA	p	510	-	-	11/39/115/115	-
16	CLA	A	1132	-	-	11/39/115/115	-
16	CLA	w	515	-	-	12/39/115/115	-
16	CLA	w	505	-	-	18/39/115/115	-
16	CLA	q	503	-	-	11/17/93/115	-
16	CLA	b	1224	-	-	20/33/109/115	-
16	CLA	y	516	-	-	6/17/93/115	-
19	BCR	A	4001	-	-	12/29/63/63	0/2/2/2
16	CLA	A	1111	-	-	11/27/103/115	-
16	CLA	b	1211	-	-	9/39/115/115	-
16	CLA	y	503	-	-	12/17/93/115	-
16	CLA	B	1210	-	-	15/39/115/115	-
19	BCR	j	4013	-	-	11/29/63/63	0/2/2/2
16	CLA	u	511	-	-	12/39/115/115	-
19	BCR	H	4001	-	-	12/29/63/63	0/2/2/2
16	CLA	G	1240	-	-	4/21/97/115	-
18	SF4	H	3001	1,2	-	-	0/6/5/5
16	CLA	G	1239	-	-	17/39/115/115	-
16	CLA	a	1133	-	-	11/26/102/115	-
16	CLA	B	1224	-	-	20/33/109/115	-
16	CLA	G	1206	-	-	13/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	CLA	t	516	-	-	9/17/93/115	-
19	BCR	J	4013	-	-	11/29/63/63	0/2/2/2
16	CLA	H	1139	-	-	10/23/99/115	-
16	CLA	y	513	-	-	4/21/97/115	-
16	CLA	l	1503	-	-	15/39/115/115	-
16	CLA	t	513	-	-	8/21/97/115	-
16	CLA	A	1117	-	-	14/39/115/115	-
16	CLA	b	1232	-	-	6/15/91/115	-
19	BCR	q	604	-	-	17/29/63/63	0/2/2/2
19	BCR	x	601	-	-	18/29/63/63	0/2/2/2
16	CLA	y	502	-	-	7/21/97/115	-
16	CLA	a	1114	-	-	7/20/96/115	-
16	CLA	a	1104	-	-	9/39/115/115	-
19	BCR	W	601	-	-	13/29/63/63	0/2/2/2
16	CLA	b	1234	-	-	6/21/97/115	-
19	BCR	w	601	-	-	8/29/63/63	0/2/2/2
16	CLA	L	1501	-	-	19/39/115/115	-
19	BCR	H	4008	-	-	12/29/63/63	0/2/2/2
16	CLA	w	507	-	-	14/39/115/115	-
17	PQN	A	2001	-	-	6/23/43/43	0/2/2/2
16	CLA	H	1115	-	-	7/26/102/115	-
16	CLA	B	1228	-	-	8/27/103/115	-
16	CLA	W	514	-	-	9/21/97/115	-
16	CLA	Z	509	-	-	10/29/105/115	-
16	CLA	h	513	-	-	4/21/97/115	-
16	CLA	x	504	-	-	13/33/109/115	-
16	CLA	h	507	-	-	10/39/115/115	-
19	BCR	B	4009	-	-	13/29/63/63	0/2/2/2
16	CLA	a	1129	-	-	5/21/97/115	-
16	CLA	Z	504	-	-	8/33/109/115	-
19	BCR	A	4011	-	-	15/29/63/63	0/2/2/2
16	CLA	B	1214	-	-	12/27/103/115	-
16	CLA	n	511	-	-	14/39/115/115	-
16	CLA	p	511	-	-	17/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	CLA	r	516	-	-	8/17/93/115	-
16	CLA	A	1125	-	-	10/39/115/115	-
19	BCR	H	4003	-	-	11/29/63/63	0/2/2/2
18	SF4	c	101	3	-	-	0/6/5/5
16	CLA	H	1118	-	-	6/27/103/115	-
16	CLA	t	503	-	-	9/17/93/115	-
16	CLA	A	1105	-	-	9/31/107/115	-
16	CLA	s	508	-	-	10/27/103/115	-
16	CLA	q	515	-	-	11/39/115/115	-
16	CLA	q	513	-	-	11/21/97/115	-
16	CLA	A	1134	-	-	11/15/91/115	-
16	CLA	y	515	-	-	6/33/109/115	-
16	CLA	H	1105	-	-	9/31/107/115	-
16	CLA	G	1235	-	-	12/36/112/115	-
16	CLA	v	515	-	-	9/33/109/115	-
16	CLA	Y	508	-	-	11/27/103/115	-
19	BCR	G	4014	-	-	13/29/63/63	0/2/2/2
16	CLA	s	506	-	-	13/33/109/115	-
16	CLA	H	1013	-	-	16/39/115/115	-
16	CLA	q	514	-	-	5/21/97/115	-
14	LMG	a	4201	-	-	7/26/46/70	0/1/1/1
16	CLA	G	1204	-	-	10/39/115/115	-
16	CLA	G	1228	-	-	8/27/103/115	-
16	CLA	j	1303	-	-	2/4/76/115	-
19	BCR	t	601	-	-	13/29/63/63	0/2/2/2
16	CLA	w	512	-	-	6/15/91/115	-
16	CLA	y	514	-	-	7/21/97/115	-
16	CLA	a	1109	-	-	14/39/115/115	-
16	CLA	b	1228	-	-	8/27/103/115	-
16	CLA	H	1131	-	-	11/39/115/115	-
16	CLA	H	1132	-	-	11/39/115/115	-
16	CLA	b	1222	-	-	7/27/103/115	-
16	CLA	t	515	-	-	17/39/115/115	-
16	CLA	G	1214	-	-	12/27/103/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	CLA	o	517	-	-	12/27/103/115	-
16	CLA	b	1214	-	-	12/27/103/115	-
16	CLA	x	508	-	-	11/27/103/115	-
16	CLA	n	514	-	-	9/21/97/115	-
16	CLA	B	1217	-	-	8/15/91/115	-
16	CLA	A	1112	-	-	6/15/91/115	-
16	CLA	Z	501	-	-	7/21/97/115	-
16	CLA	A	1124	-	-	10/39/115/115	-
16	CLA	h	503	-	-	11/17/93/115	-
16	CLA	a	1126	-	-	15/39/115/115	-
16	CLA	A	1122	-	-	12/32/108/115	-
16	CLA	r	508	-	-	11/27/103/115	-
16	CLA	A	1110	-	-	6/26/102/115	-
19	BCR	Y	601	-	-	12/29/63/63	0/2/2/2
19	BCR	G	4004	-	-	9/29/63/63	0/2/2/2
19	BCR	A	4003	-	-	11/29/63/63	0/2/2/2
16	CLA	g	517	-	-	12/27/103/115	-
16	CLA	x	502	-	-	5/21/97/115	-
16	CLA	o	513	-	-	9/21/97/115	-
19	BCR	r	601	-	-	18/29/63/63	0/2/2/2
16	CLA	b	1202	-	-	13/39/115/115	-
16	CLA	Y	509	-	-	14/33/109/115	-
16	CLA	Z	512	-	-	6/15/91/115	-
18	SF4	N	101	3	-	-	0/6/5/5
16	CLA	B	1215	-	-	15/33/109/115	-
16	CLA	n	507	-	-	13/33/109/115	-
16	CLA	r	509	-	-	9/33/109/115	-
19	BCR	y	602	-	-	13/29/63/63	0/2/2/2
16	CLA	Y	504	-	-	14/33/109/115	-
19	BCR	l	4019	-	-	11/29/63/63	0/2/2/2
16	CLA	A	1126	-	-	15/39/115/115	-
16	CLA	t	507	-	-	14/33/109/115	-
16	CLA	n	509	-	-	11/33/109/115	-
16	CLA	r	502	-	-	8/21/97/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
19	BCR	x	604	-	-	11/29/63/63	0/2/2/2
16	CLA	a	1022	-	-	9/39/115/115	-
16	CLA	r	504	-	-	15/33/109/115	-
19	BCR	j	4015	-	-	11/29/63/63	0/2/2/2
16	CLA	n	504	-	-	11/33/109/115	-
16	CLA	G	1023	-	-	18/39/115/115	-
19	BCR	X	602	-	-	11/29/63/63	0/2/2/2
16	CLA	p	517	-	-	10/27/103/115	-
16	CLA	h	512	-	-	6/15/91/115	-
16	CLA	X	513	-	-	9/21/97/115	-
19	BCR	G	4005	-	-	7/29/63/63	0/2/2/2
16	CLA	u	517	-	-	10/27/103/115	-
19	BCR	H	4002	-	-	8/29/63/63	0/2/2/2
16	CLA	B	1023	-	-	18/39/115/115	-
19	BCR	G	4017	-	-	9/29/63/63	0/2/2/2
19	BCR	b	4005	-	-	7/29/63/63	0/2/2/2
16	CLA	b	1239	-	-	17/39/115/115	-
14	LMG	B	848	-	-	18/38/58/70	0/1/1/1
16	CLA	B	1222	-	-	7/27/103/115	-
16	CLA	b	1226	-	-	9/39/115/115	-
16	CLA	A	1121	-	-	13/23/99/115	-
16	CLA	Z	516	-	-	8/17/93/115	-
16	CLA	p	505	-	-	13/39/115/115	-
16	CLA	G	1211	-	-	9/39/115/115	-
16	CLA	U	1501	-	-	19/39/115/115	-
16	CLA	G	1220	-	-	5/26/102/115	-
16	CLA	H	1140	-	-	21/39/115/115	-
16	CLA	s	510	-	-	15/39/115/115	-
19	BCR	Y	603	-	-	8/29/63/63	0/2/2/2
16	CLA	r	503	-	-	10/17/93/115	-
16	CLA	G	1203	-	-	18/39/115/115	-
16	CLA	q	512	-	-	6/15/91/115	-
16	CLA	t	505	-	-	17/39/115/115	-
16	CLA	w	517	-	-	8/27/103/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	CLA	b	1225	-	-	14/39/115/115	-
16	CLA	H	1114	-	-	7/20/96/115	-
19	BCR	q	602	-	-	8/29/63/63	0/2/2/2
16	CLA	t	512	-	-	6/15/91/115	-
19	BCR	U	4019	-	-	11/29/63/63	0/2/2/2
16	CLA	B	1225	-	-	14/39/115/115	-
13	LHG	i	103	-	-	21/48/48/53	-
16	CLA	B	1205	-	-	10/39/115/115	-
16	CLA	H	1113	-	-	5/15/91/115	-
16	CLA	s	509	-	-	15/33/109/115	-
19	BCR	S	4013	-	-	11/29/63/63	0/2/2/2
16	CLA	A	1127	-	-	10/39/115/115	-
16	CLA	a	1120	-	-	11/20/96/115	-
16	CLA	b	1236	-	-	13/39/115/115	-
16	CLA	a	1119	-	-	17/39/115/115	-
16	CLA	u	510	-	-	15/39/115/115	-
16	CLA	X	517	-	-	9/27/103/115	-
19	BCR	S	4012	-	-	10/29/63/63	0/2/2/2
19	BCR	I	4018	-	-	14/29/63/63	0/2/2/2
16	CLA	s	504	-	-	16/33/109/115	-
19	BCR	a	4001	-	-	12/29/63/63	0/2/2/2
17	PQN	H	2001	-	-	6/23/43/43	0/2/2/2
18	SF4	A	3001	1,2	-	-	0/6/5/5
19	BCR	r	604	-	-	11/29/63/63	0/2/2/2
16	CLA	n	502	-	-	9/21/97/115	-
16	CLA	h	502	-	-	6/21/97/115	-
16	CLA	A	1107	-	-	3/21/97/115	-
16	CLA	Y	515	-	-	10/39/115/115	-
16	CLA	B	1218	-	-	8/27/103/115	-
16	CLA	y	511	-	-	15/39/115/115	-
16	CLA	h	504	-	-	14/33/109/115	-
16	CLA	A	1103	-	-	15/39/115/115	-
16	CLA	n	501	-	-	9/21/97/115	-
16	CLA	X	505	-	-	15/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	CLA	a	1107	-	-	3/21/97/115	-
16	CLA	u	509	-	-	10/33/109/115	-
16	CLA	H	1137	-	-	8/18/94/115	-
16	CLA	X	506	-	-	10/33/109/115	-
16	CLA	X	510	-	-	16/39/115/115	-
16	CLA	v	513	-	-	5/21/97/115	-
16	CLA	y	512	-	-	6/15/91/115	-
16	CLA	Z	506	-	-	7/33/109/115	-
16	CLA	v	502	-	-	6/21/97/115	-
16	CLA	G	1225	-	-	14/39/115/115	-
16	CLA	u	508	-	-	11/27/103/115	-
16	CLA	u	514	-	-	8/21/97/115	-
16	CLA	B	1226	-	-	9/39/115/115	-
16	CLA	W	501	-	-	8/21/97/115	-
16	CLA	o	514	-	-	10/21/97/115	-
16	CLA	H	1102	-	-	7/29/105/115	-
16	CLA	u	505	-	-	13/39/115/115	-
16	CLA	H	1122	-	-	12/32/108/115	-
16	CLA	a	1132	-	-	11/39/115/115	-
16	CLA	a	1115	-	-	7/26/102/115	-
19	BCR	F	4016	-	-	13/29/63/63	0/2/2/2
19	BCR	p	603	-	-	7/29/63/63	0/2/2/2
16	CLA	B	1227	-	-	9/20/96/115	-
19	BCR	h	601	-	-	11/29/63/63	0/2/2/2
16	CLA	n	503	-	-	9/17/93/115	-
16	CLA	G	1215	-	-	15/33/109/115	-
16	CLA	B	1213	-	-	7/27/103/115	-
16	CLA	y	501	-	-	9/17/93/115	-
16	CLA	F	1301	-	-	4/15/91/115	-
16	CLA	r	515	-	-	13/39/115/115	-
16	CLA	r	513	-	-	8/21/97/115	-
16	CLA	s	516	-	-	9/17/93/115	-
16	CLA	b	1238	-	-	12/39/115/115	-
16	CLA	w	511	-	-	11/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	CLA	s	503	-	-	11/17/93/115	-
16	CLA	n	515	-	-	13/39/115/115	-
16	CLA	W	512	-	-	8/15/91/115	-
16	CLA	b	1218	-	-	8/27/103/115	-
19	BCR	v	601	-	-	12/29/63/63	0/2/2/2
16	CLA	n	516	-	-	10/17/93/115	-
16	CLA	A	1116	-	-	10/26/102/115	-
16	CLA	B	1202	-	-	13/39/115/115	-
16	CLA	n	513	-	-	8/21/97/115	-
16	CLA	A	1106	-	-	19/39/115/115	-
16	CLA	n	506	-	-	13/33/109/115	-
16	CLA	t	517	-	-	15/27/103/115	-
16	CLA	A	1137	-	-	8/18/94/115	-
16	CLA	H	1138	-	-	10/39/115/115	-
13	LHG	H	849	-	-	11/47/47/53	-
16	CLA	o	508	-	-	11/27/103/115	-
16	CLA	G	1021	-	-	14/39/115/115	-
16	CLA	a	1140	-	-	21/39/115/115	-
16	CLA	x	516	-	-	9/17/93/115	-
19	BCR	q	603	-	-	9/29/63/63	0/2/2/2
19	BCR	s	604	-	-	8/29/63/63	0/2/2/2
19	BCR	j	4012	-	-	10/29/63/63	0/2/2/2
19	BCR	K	1501	-	-	10/29/63/63	0/2/2/2
16	CLA	G	1227	-	-	9/20/96/115	-
19	BCR	A	4002	-	-	8/29/63/63	0/2/2/2
19	BCR	T	1501	-	-	10/29/63/63	0/2/2/2
16	CLA	W	508	-	-	14/27/103/115	-
16	CLA	G	1213	-	-	7/27/103/115	-
19	BCR	H	4007	-	-	7/29/63/63	0/2/2/2
19	BCR	s	603	-	-	7/29/63/63	0/2/2/2
16	CLA	Y	503	-	-	10/17/93/115	-
16	CLA	b	1023	-	-	18/39/115/115	-
16	CLA	H	1111	-	-	11/27/103/115	-
16	CLA	b	1203	-	-	18/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
19	BCR	x	602	-	-	13/29/63/63	0/2/2/2
16	CLA	t	511	-	-	11/39/115/115	-
14	LMG	b	848	-	-	18/38/58/70	0/1/1/1
16	CLA	W	513	-	-	8/21/97/115	-
16	CLA	g	512	-	-	6/15/91/115	-
16	CLA	A	1022	-	-	9/39/115/115	-
16	CLA	b	1212	-	-	6/15/91/115	-
16	CLA	u	504	-	-	16/33/109/115	-
16	CLA	A	1108	-	-	7/15/91/115	-
16	CLA	Y	507	-	-	12/39/115/115	-
16	CLA	o	504	-	-	7/33/109/115	-
16	CLA	H	1107	-	-	3/21/97/115	-
16	CLA	B	1234	-	-	6/21/97/115	-
16	CLA	G	1216	-	-	7/18/94/115	-
16	CLA	X	512	-	-	7/15/91/115	-
19	BCR	G	4010	-	-	12/29/63/63	0/2/2/2
16	CLA	A	1114	-	-	7/20/96/115	-
19	BCR	u	603	-	-	11/29/63/63	0/2/2/2
16	CLA	Q	1301	-	-	4/15/91/115	-
16	CLA	X	509	-	-	10/33/109/115	-
14	LMG	A	4101	-	-	17/41/61/70	0/1/1/1
16	CLA	r	506	-	-	14/33/109/115	-
16	CLA	k	1401	-	-	3/15/91/115	-
16	CLA	o	511	-	-	12/39/115/115	-
16	CLA	v	516	-	-	8/17/93/115	-
16	CLA	h	515	-	-	5/33/109/115	-
16	CLA	n	508	-	-	14/27/103/115	-
18	SF4	c	102	3	-	-	0/6/5/5
14	LMG	H	4101	-	-	17/41/61/70	0/1/1/1
16	CLA	A	1133	-	-	11/26/102/115	-
16	CLA	a	1101	-	-	15/39/115/115	-
16	CLA	s	515	-	-	9/39/115/115	-
15	CL0	a	1011	-	-	15/39/115/115	-
16	CLA	g	508	-	-	8/27/103/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	CLA	v	511	-	-	16/39/115/115	-
16	CLA	A	1136	-	-	8/39/115/115	-
16	CLA	B	1204	-	-	10/39/115/115	-
16	CLA	A	1131	-	-	11/39/115/115	-
16	CLA	s	514	-	-	5/21/97/115	-
16	CLA	A	1138	-	-	10/39/115/115	-
16	CLA	o	505	-	-	13/39/115/115	-
16	CLA	x	506	-	-	16/33/109/115	-
16	CLA	u	513	-	-	9/21/97/115	-
19	BCR	m	4021	-	-	7/29/63/63	0/2/2/2
19	BCR	h	604	-	-	13/29/63/63	0/2/2/2
19	BCR	G	4006	-	-	5/18/35/63	0/1/1/2
16	CLA	H	1135	-	-	9/23/99/115	-
19	BCR	a	4011	-	-	15/29/63/63	0/2/2/2
14	LMG	a	852	-	-	17/33/53/70	0/1/1/1
16	CLA	b	1021	-	-	14/39/115/115	-
16	CLA	v	505	-	-	18/33/109/115	-
16	CLA	Z	505	-	-	18/39/115/115	-
16	CLA	a	1139	-	-	10/23/99/115	-
16	CLA	x	501	-	-	7/21/97/115	-
16	CLA	Z	514	-	-	6/21/97/115	-
16	CLA	l	1502	-	-	12/39/115/115	-
19	BCR	k	1501	-	-	10/29/63/63	0/2/2/2
16	CLA	H	1116	-	-	10/26/102/115	-
16	CLA	h	509	-	-	8/33/109/115	-
16	CLA	w	514	-	-	6/21/97/115	-
16	CLA	G	1230	-	-	4/15/91/115	-
16	CLA	a	1137	-	-	8/18/94/115	-
19	BCR	s	601	-	-	13/29/63/63	0/2/2/2
16	CLA	q	517	-	-	7/27/103/115	-
16	CLA	x	514	-	-	10/21/97/115	-
16	CLA	s	507	-	-	11/39/115/115	-
16	CLA	b	1204	-	-	10/39/115/115	-
16	CLA	L	1503	-	-	15/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
20	LMT	L	4101	-	-	7/21/61/61	0/2/2/2
16	CLA	y	506	-	-	10/33/109/115	-
16	CLA	B	1216	-	-	7/18/94/115	-
16	CLA	x	512	-	-	6/15/91/115	-
16	CLA	J	1302	-	-	8/15/91/115	-
16	CLA	A	1113	-	-	5/15/91/115	-
16	CLA	r	514	-	-	9/21/97/115	-
16	CLA	o	512	-	-	6/15/91/115	-
16	CLA	p	503	-	-	10/17/93/115	-
16	CLA	Y	502	-	-	6/21/97/115	-
16	CLA	u	507	-	-	14/39/115/115	-
19	BCR	B	4005	-	-	7/29/63/63	0/2/2/2
16	CLA	p	501	-	-	7/21/97/115	-
16	CLA	p	516	-	-	8/17/93/115	-
16	CLA	G	1231	-	-	4/15/91/115	-
16	CLA	B	1239	-	-	17/39/115/115	-
14	LMG	a	4101	-	-	17/41/61/70	0/1/1/1
16	CLA	a	1402	-	-	2/9/81/115	-
16	CLA	W	506	-	-	15/33/109/115	-
19	BCR	B	4006	-	-	5/18/35/63	0/1/1/2
16	CLA	h	501	-	-	9/17/93/115	-
16	CLA	h	516	-	-	8/17/93/115	-
16	CLA	A	1109	-	-	14/39/115/115	-
16	CLA	o	516	-	-	10/17/93/115	-
16	CLA	G	1201	-	-	8/26/102/115	-
19	BCR	Z	601	-	-	9/29/63/63	0/2/2/2
19	BCR	r	602	-	-	11/29/63/63	0/2/2/2
16	CLA	b	1216	-	-	7/18/94/115	-
13	LHG	a	849	-	-	11/47/47/53	-
16	CLA	Z	511	-	-	12/39/115/115	-
16	CLA	h	506	-	-	10/33/109/115	-
16	CLA	w	510	-	-	4/33/109/115	-
16	CLA	a	1102	-	-	7/29/105/115	-
16	CLA	A	1104	-	-	9/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	CLA	u	512	-	-	6/15/91/115	-
16	CLA	b	1213	-	-	7/27/103/115	-
16	CLA	x	510	-	-	12/27/103/115	-
16	CLA	X	516	-	-	10/17/93/115	-
16	CLA	S	1303	-	-	2/4/76/115	-
19	BCR	X	601	-	-	10/29/63/63	0/2/2/2
16	CLA	a	1127	-	-	9/39/115/115	-
14	LMG	Y	701	-	-	9/34/54/70	0/1/1/1
16	CLA	B	1236	-	-	13/39/115/115	-
16	CLA	W	510	-	-	11/39/115/115	-
16	CLA	a	1111	-	-	11/27/103/115	-
16	CLA	v	506	-	-	10/33/109/115	-
16	CLA	H	1136	-	-	8/39/115/115	-
16	CLA	r	505	-	-	10/17/93/115	-
20	LMT	l	4101	-	-	7/21/61/61	0/2/2/2
16	CLA	a	1106	-	-	19/39/115/115	-
16	CLA	o	502	-	-	9/21/97/115	-
16	CLA	q	505	-	-	17/39/115/115	-
16	CLA	G	1208	-	-	4/15/91/115	-
16	CLA	G	1221	-	-	12/39/115/115	-
19	BCR	b	4017	-	-	9/29/63/63	0/2/2/2
16	CLA	G	1229	-	-	11/31/107/115	-
16	CLA	v	504	-	-	14/33/109/115	-
16	CLA	n	517	-	-	13/27/103/115	-
16	CLA	q	506	-	-	7/33/109/115	-
16	CLA	q	510	-	-	5/33/109/115	-
16	CLA	y	510	-	-	13/33/109/115	-
16	CLA	H	1121	-	-	13/23/99/115	-
16	CLA	u	503	-	-	8/17/93/115	-
16	CLA	t	514	-	-	9/21/97/115	-
16	CLA	W	509	-	-	10/33/109/115	-
16	CLA	p	508	-	-	11/27/103/115	-
19	BCR	a	4008	-	-	12/29/63/63	0/2/2/2
16	CLA	W	517	-	-	13/27/103/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
19	BCR	b	4006	-	-	5/18/35/63	0/1/1/2
19	BCR	w	602	-	-	8/29/63/63	0/2/2/2
16	CLA	B	1235	-	-	12/36/112/115	-
16	CLA	n	512	-	-	8/15/91/115	-
16	CLA	H	1108	-	-	7/15/91/115	-
16	CLA	H	1130	-	-	6/39/115/115	-
16	CLA	g	513	-	-	8/21/97/115	-
19	BCR	B	4017	-	-	9/29/63/63	0/2/2/2
16	CLA	q	509	-	-	11/29/105/115	-
16	CLA	u	501	-	-	9/21/97/115	-
17	PQN	G	2002	-	-	5/23/43/43	0/2/2/2
16	CLA	g	502	-	-	6/21/97/115	-
16	CLA	y	509	-	-	7/33/109/115	-
16	CLA	H	1101	-	-	15/39/115/115	-
16	CLA	H	1022	-	-	9/39/115/115	-
19	BCR	n	603	-	-	8/29/63/63	0/2/2/2
16	CLA	A	1115	-	-	7/26/102/115	-
16	CLA	v	512	-	-	6/15/91/115	-
16	CLA	g	510	-	-	10/27/103/115	-
16	CLA	H	1120	-	-	11/20/96/115	-
16	CLA	A	1130	-	-	6/39/115/115	-
19	BCR	a	4002	-	-	8/29/63/63	0/2/2/2
16	CLA	r	501	-	-	7/21/97/115	-
16	CLA	b	1201	-	-	8/26/102/115	-
16	CLA	A	1139	-	-	10/23/99/115	-
16	CLA	X	508	-	-	11/27/103/115	-
16	CLA	o	515	-	-	9/39/115/115	-
16	CLA	G	1212	-	-	6/15/91/115	-
19	BCR	h	602	-	-	11/29/63/63	0/2/2/2
16	CLA	a	1125	-	-	10/39/115/115	-
19	BCR	s	602	-	-	9/29/63/63	0/2/2/2
16	CLA	g	509	-	-	10/33/109/115	-
16	CLA	G	1238	-	-	12/39/115/115	-
16	CLA	s	502	-	-	7/21/97/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	CLA	G	1232	-	-	6/15/91/115	-
16	CLA	a	1116	-	-	10/26/102/115	-
19	BCR	u	601	-	-	9/29/63/63	0/2/2/2
16	CLA	H	1103	-	-	15/39/115/115	-
16	CLA	g	504	-	-	12/33/109/115	-
16	CLA	x	503	-	-	10/17/93/115	-
16	CLA	X	515	-	-	11/39/115/115	-
16	CLA	B	1238	-	-	12/39/115/115	-
16	CLA	Z	507	-	-	14/39/115/115	-
16	CLA	a	1105	-	-	9/31/107/115	-
16	CLA	r	512	-	-	6/15/91/115	-
16	CLA	K	1401	-	-	3/15/91/115	-
16	CLA	r	511	-	-	10/39/115/115	-
16	CLA	g	505	-	-	10/17/93/115	-
16	CLA	H	1801	-	-	6/24/100/115	-
16	CLA	X	504	-	-	11/33/109/115	-
19	BCR	y	603	-	-	10/29/63/63	0/2/2/2
19	BCR	Y	604	-	-	11/29/63/63	0/2/2/2
19	BCR	o	603	-	-	12/29/63/63	0/2/2/2
16	CLA	H	1109	-	-	14/39/115/115	-
16	CLA	n	505	-	-	13/39/115/115	-
16	CLA	l	1501	-	-	19/39/115/115	-
16	CLA	a	1135	-	-	9/23/99/115	-
19	BCR	g	604	-	-	10/29/63/63	0/2/2/2
18	SF4	C	102	3	-	-	0/6/5/5
17	PQN	b	2002	-	-	5/23/43/43	0/2/2/2
16	CLA	W	505	-	-	18/39/115/115	-
14	LMG	A	4201	-	-	7/27/47/70	0/1/1/1
16	CLA	x	511	-	-	9/39/115/115	-
16	CLA	a	1117	-	-	14/39/115/115	-
17	PQN	B	2002	-	-	5/23/43/43	0/2/2/2
19	BCR	g	603	-	-	8/29/63/63	0/2/2/2
16	CLA	J	1303	-	-	2/4/76/115	-
16	CLA	H	1134	-	-	11/15/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	CLA	a	1110	-	-	6/26/102/115	-
19	BCR	X	604	-	-	14/29/63/63	0/2/2/2
16	CLA	H	1104	-	-	9/39/115/115	-
16	CLA	a	1013	-	-	16/39/115/115	-
16	CLA	u	502	-	-	9/21/97/115	-
16	CLA	H	1126	-	-	15/39/115/115	-
16	CLA	q	504	-	-	9/33/109/115	-
16	CLA	y	505	-	-	16/33/109/115	-
16	CLA	g	503	-	-	10/17/93/115	-
16	CLA	B	1220	-	-	5/26/102/115	-
16	CLA	B	1203	-	-	18/39/115/115	-
16	CLA	h	510	-	-	15/33/109/115	-
13	LHG	R	103	-	-	21/48/48/53	-
16	CLA	h	514	-	-	5/21/97/115	-
19	BCR	b	4004	-	-	9/29/63/63	0/2/2/2
20	LMT	U	4101	-	-	7/21/61/61	0/2/2/2
19	BCR	B	4004	-	-	9/29/63/63	0/2/2/2
16	CLA	a	1136	-	-	8/39/115/115	-
16	CLA	s	511	-	-	17/39/115/115	-
19	BCR	L	4022	-	-	9/29/63/63	0/2/2/2
16	CLA	b	1208	-	-	4/15/91/115	-
16	CLA	G	1012	-	-	16/33/109/115	-
16	CLA	G	1219	-	-	7/15/91/115	-
16	CLA	W	503	-	-	9/17/93/115	-
16	CLA	v	514	-	-	7/21/97/115	-
16	CLA	g	516	-	-	7/17/93/115	-
16	CLA	G	1207	-	-	23/39/115/115	-
14	LMG	A	852	-	-	17/33/53/70	0/1/1/1
16	CLA	A	1129	-	-	5/21/97/115	-
16	CLA	u	516	-	-	10/17/93/115	-
19	BCR	i	4018	-	-	14/29/63/63	0/2/2/2
16	CLA	a	1121	-	-	13/23/99/115	-
16	CLA	p	502	-	-	6/21/97/115	-
16	CLA	W	515	-	-	16/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	CLA	a	1128	-	-	11/39/115/115	-
16	CLA	p	515	-	-	9/39/115/115	-
16	CLA	b	1221	-	-	12/39/115/115	-
19	BCR	X	603	-	-	12/29/63/63	0/2/2/2
16	CLA	B	1212	-	-	6/15/91/115	-
16	CLA	A	1140	-	-	21/39/115/115	-
16	CLA	Z	517	-	-	8/27/103/115	-
16	CLA	G	1236	-	-	13/39/115/115	-
16	CLA	v	503	-	-	11/17/93/115	-
19	BCR	R	4020	-	-	14/29/63/63	0/2/2/2
15	CL0	H	1011	-	-	15/39/115/115	-
19	BCR	p	604	-	-	9/29/63/63	0/2/2/2
16	CLA	q	516	-	-	8/17/93/115	-
16	CLA	G	1222	-	-	7/27/103/115	-
16	CLA	w	502	-	-	8/21/97/115	-
19	BCR	u	604	-	-	11/29/63/63	0/2/2/2
16	CLA	a	1130	-	-	6/39/115/115	-
19	BCR	Q	4016	-	-	13/29/63/63	0/2/2/2
16	CLA	H	1119	-	-	17/39/115/115	-
16	CLA	g	506	-	-	13/33/109/115	-
16	CLA	x	507	-	-	15/39/115/115	-
19	BCR	f	4016	-	-	13/29/63/63	0/2/2/2
19	BCR	A	4008	-	-	12/29/63/63	0/2/2/2
16	CLA	g	515	-	-	16/39/115/115	-
14	LMG	H	852	-	-	17/33/53/70	0/1/1/1
16	CLA	x	509	-	-	12/33/109/115	-
16	CLA	p	509	-	-	13/33/109/115	-
16	CLA	p	513	-	-	6/21/97/115	-
16	CLA	W	507	-	-	12/33/109/115	-
13	LHG	I	103	-	-	21/48/48/53	-
16	CLA	a	1103	-	-	15/39/115/115	-
16	CLA	X	502	-	-	7/21/97/115	-
16	CLA	s	513	-	-	6/21/97/115	-
19	BCR	a	4003	-	-	11/29/63/63	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	CLA	p	504	-	-	16/33/109/115	-
16	CLA	g	514	-	-	10/21/97/115	-
16	CLA	A	1135	-	-	9/23/99/115	-
16	CLA	o	503	-	-	8/17/93/115	-
16	CLA	X	511	-	-	13/39/115/115	-
16	CLA	q	507	-	-	13/39/115/115	-
16	CLA	Z	508	-	-	10/27/103/115	-
16	CLA	U	1502	-	-	12/39/115/115	-
16	CLA	y	507	-	-	11/39/115/115	-
16	CLA	r	517	-	-	9/27/103/115	-
16	CLA	o	507	-	-	13/39/115/115	-
16	CLA	w	508	-	-	10/27/103/115	-
16	CLA	b	1207	-	-	23/39/115/115	-
15	CL0	A	1011	-	-	15/39/115/115	-
19	BCR	U	4022	-	-	9/29/63/63	0/2/2/2
16	CLA	Y	510	-	-	11/39/115/115	-
13	LHG	A	851	-	-	11/31/31/53	-
16	CLA	u	515	-	-	10/39/115/115	-
16	CLA	b	1230	-	-	4/15/91/115	-
16	CLA	B	1021	-	-	14/39/115/115	-
16	CLA	b	1227	-	-	9/20/96/115	-
19	BCR	v	603	-	-	13/29/63/63	0/2/2/2
16	CLA	h	508	-	-	7/27/103/115	-
19	BCR	o	602	-	-	11/29/63/63	0/2/2/2
16	CLA	b	1210	-	-	15/39/115/115	-
16	CLA	j	1302	-	-	8/15/91/115	-
16	CLA	Y	501	-	-	9/21/97/115	-
19	BCR	M	4021	-	-	7/29/63/63	0/2/2/2
19	BCR	Z	602	-	-	9/29/63/63	0/2/2/2
19	BCR	q	601	-	-	7/29/63/63	0/2/2/2
16	CLA	A	1120	-	-	11/20/96/115	-
16	CLA	a	1124	-	-	10/39/115/115	-
16	CLA	b	1219	-	-	7/15/91/115	-
16	CLA	X	503	-	-	10/17/93/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
19	BCR	Y	602	-	-	10/29/63/63	0/2/2/2
16	CLA	g	507	-	-	16/39/115/115	-
19	BCR	y	601	-	-	11/29/63/63	0/2/2/2
19	BCR	o	601	-	-	8/29/63/63	0/2/2/2
19	BCR	o	604	-	-	14/29/63/63	0/2/2/2
19	BCR	x	603	-	-	9/29/63/63	0/2/2/2
18	SF4	N	102	3	-	-	0/6/5/5
16	CLA	y	508	-	-	10/27/103/115	-
16	CLA	H	1129	-	-	5/21/97/115	-
16	CLA	A	1118	-	-	6/27/103/115	-
16	CLA	o	510	-	-	14/39/115/115	-
16	CLA	A	1119	-	-	17/39/115/115	-
16	CLA	v	508	-	-	9/27/103/115	-
19	BCR	t	603	-	-	8/29/63/63	0/2/2/2
16	CLA	f	1301	-	-	4/15/91/115	-
16	CLA	Y	516	-	-	9/17/93/115	-
16	CLA	a	1118	-	-	6/27/103/115	-
16	CLA	h	511	-	-	16/39/115/115	-
19	BCR	b	4010	-	-	12/29/63/63	0/2/2/2
16	CLA	B	1219	-	-	7/15/91/115	-
16	CLA	r	510	-	-	11/27/103/115	-
19	BCR	B	4010	-	-	12/29/63/63	0/2/2/2
16	CLA	x	517	-	-	12/27/103/115	-
16	CLA	p	506	-	-	10/33/109/115	-
16	CLA	t	508	-	-	14/27/103/115	-
19	BCR	g	601	-	-	16/29/63/63	0/2/2/2
16	CLA	b	1229	-	-	11/31/107/115	-
13	LHG	H	851	-	-	11/31/31/53	-
19	BCR	V	4021	-	-	7/29/63/63	0/2/2/2
16	CLA	A	1801	-	-	6/24/100/115	-
16	CLA	G	1205	-	-	10/39/115/115	-
16	CLA	x	515	-	-	16/39/115/115	-
16	CLA	x	505	-	-	10/17/93/115	-
16	CLA	a	1131	-	-	11/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	CLA	t	502	-	-	9/21/97/115	-
16	CLA	A	1101	-	-	15/39/115/115	-
16	CLA	W	502	-	-	8/21/97/115	-
19	BCR	b	4009	-	-	13/29/63/63	0/2/2/2
16	CLA	a	1122	-	-	12/32/108/115	-
16	CLA	H	1127	-	-	10/39/115/115	-
16	CLA	s	517	-	-	10/27/103/115	-
16	CLA	q	501	-	-	6/21/97/115	-
16	CLA	b	1240	-	-	4/21/97/115	-
16	CLA	Y	517	-	-	10/27/103/115	-
16	CLA	q	508	-	-	10/27/103/115	-
16	CLA	B	1201	-	-	8/26/102/115	-
16	CLA	o	501	-	-	9/21/97/115	-
16	CLA	w	506	-	-	8/33/109/115	-
16	CLA	A	1102	-	-	7/29/105/115	-
16	CLA	H	1106	-	-	19/39/115/115	-
16	CLA	G	1218	-	-	8/27/103/115	-
16	CLA	Z	502	-	-	8/21/97/115	-
16	CLA	s	501	-	-	7/21/97/115	-
16	CLA	B	1223	-	-	14/39/115/115	-
16	CLA	a	1112	-	-	6/15/91/115	-
16	CLA	b	1215	-	-	15/33/109/115	-
16	CLA	G	1202	-	-	13/39/115/115	-
16	CLA	p	512	-	-	7/15/91/115	-
19	BCR	J	4015	-	-	11/29/63/63	0/2/2/2
16	CLA	H	1402	-	-	2/9/81/115	-
16	CLA	Y	505	-	-	16/39/115/115	-
16	CLA	Z	510	-	-	11/33/109/115	-
16	CLA	B	1240	-	-	4/21/97/115	-
16	CLA	H	1237	-	-	15/39/115/115	-
16	CLA	Y	514	-	-	6/21/97/115	-
16	CLA	v	507	-	-	10/39/115/115	-
19	BCR	b	4014	-	-	13/29/63/63	0/2/2/2
16	CLA	b	1235	-	-	12/36/112/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	CLA	b	1217	-	-	8/15/91/115	-
16	CLA	g	501	-	-	11/21/97/115	-
19	BCR	n	601	-	-	11/29/63/63	0/2/2/2
19	BCR	p	601	-	-	12/29/63/63	0/2/2/2
16	CLA	a	1123	-	-	11/39/115/115	-
19	BCR	g	602	-	-	10/29/63/63	0/2/2/2
19	BCR	l	4022	-	-	9/29/63/63	0/2/2/2
16	CLA	b	1206	-	-	13/39/115/115	-
16	CLA	A	1402	-	-	2/9/81/115	-
16	CLA	X	514	-	-	10/21/97/115	-
16	CLA	p	507	-	-	14/39/115/115	-
16	CLA	v	501	-	-	9/17/93/115	-
16	CLA	a	1113	-	-	5/15/91/115	-
16	CLA	Y	511	-	-	17/39/115/115	-
18	SF4	C	101	3	-	-	0/6/5/5
19	BCR	p	602	-	-	10/29/63/63	0/2/2/2
16	CLA	u	506	-	-	10/33/109/115	-
18	SF4	a	3001	1,2	-	-	0/6/5/5
14	LMG	p	701	-	-	10/34/54/70	0/1/1/1
16	CLA	Z	503	-	-	10/17/93/115	-
19	BCR	H	4011	-	-	15/29/63/63	0/2/2/2
19	BCR	v	604	-	-	13/29/63/63	0/2/2/2
19	BCR	i	4020	-	-	14/29/63/63	0/2/2/2
16	CLA	G	1223	-	-	14/39/115/115	-
16	CLA	w	509	-	-	14/29/105/115	-
16	CLA	v	510	-	-	14/33/109/115	-
16	CLA	Z	515	-	-	12/39/115/115	-
16	CLA	Z	513	-	-	12/21/97/115	-
16	CLA	H	1125	-	-	10/39/115/115	-
16	CLA	b	1205	-	-	10/39/115/115	-
16	CLA	W	504	-	-	8/33/109/115	-
16	CLA	h	517	-	-	10/27/103/115	-
16	CLA	w	504	-	-	8/33/109/115	-
16	CLA	b	1231	-	-	4/15/91/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	CLA	Y	512	-	-	7/15/91/115	-
16	CLA	W	511	-	-	14/39/115/115	-
16	CLA	p	514	-	-	5/21/97/115	-
19	BCR	W	603	-	-	8/29/63/63	0/2/2/2
16	CLA	B	1209	-	-	8/15/91/115	-
16	CLA	a	1108	-	-	7/15/91/115	-
16	CLA	t	510	-	-	5/39/115/115	-
16	CLA	H	1133	-	-	11/26/102/115	-
16	CLA	y	504	-	-	13/33/109/115	-
16	CLA	T	1401	-	-	3/15/91/115	-
16	CLA	G	1217	-	-	8/15/91/115	-
19	BCR	S	4015	-	-	11/29/63/63	0/2/2/2
19	BCR	Z	604	-	-	16/29/63/63	0/2/2/2
16	CLA	s	505	-	-	12/39/115/115	-
16	CLA	q	502	-	-	10/21/97/115	-
19	BCR	r	603	-	-	7/29/63/63	0/2/2/2
16	CLA	A	1128	-	-	11/39/115/115	-
16	CLA	y	517	-	-	10/27/103/115	-
19	BCR	v	602	-	-	10/29/63/63	0/2/2/2
16	CLA	v	517	-	-	9/27/103/115	-
16	CLA	B	1230	-	-	4/15/91/115	-
16	CLA	w	503	-	-	12/17/93/115	-
19	BCR	B	4014	-	-	13/29/63/63	0/2/2/2
16	CLA	r	507	-	-	16/39/115/115	-
14	LMG	G	848	-	-	18/38/58/70	0/1/1/1
16	CLA	H	1124	-	-	10/39/115/115	-
16	CLA	t	506	-	-	12/33/109/115	-
17	PQN	a	2001	-	-	6/23/43/43	0/2/2/2
16	CLA	G	1226	-	-	9/39/115/115	-
16	CLA	H	1117	-	-	14/39/115/115	-
16	CLA	G	1234	-	-	6/21/97/115	-
16	CLA	b	1220	-	-	5/26/102/115	-
16	CLA	w	516	-	-	8/17/93/115	-
16	CLA	g	511	-	-	13/39/115/115	-

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
16	CLA	G	1209	-	-	8/15/91/115	-
16	CLA	B	1208	-	-	4/15/91/115	-
16	CLA	B	1221	-	-	12/39/115/115	-
16	CLA	H	1110	-	-	6/26/102/115	-
16	CLA	B	1229	-	-	11/31/107/115	-
16	CLA	n	510	-	-	13/39/115/115	-
16	CLA	b	1209	-	-	8/15/91/115	-
16	CLA	G	1210	-	-	15/39/115/115	-
16	CLA	G	1224	-	-	20/33/109/115	-
19	BCR	u	602	-	-	10/29/63/63	0/2/2/2
16	CLA	X	507	-	-	13/39/115/115	-
16	CLA	t	501	-	-	9/21/97/115	-
16	CLA	b	1223	-	-	14/39/115/115	-
19	BCR	R	4018	-	-	14/29/63/63	0/2/2/2
16	CLA	H	1123	-	-	11/39/115/115	-
16	CLA	o	506	-	-	10/33/109/115	-
19	BCR	w	604	-	-	15/29/63/63	0/2/2/2
16	CLA	B	1207	-	-	23/39/115/115	-
16	CLA	a	1801	-	-	6/24/100/115	-
16	CLA	h	505	-	-	17/33/109/115	-
16	CLA	a	1138	-	-	10/39/115/115	-
16	CLA	B	1231	-	-	4/15/91/115	-
16	CLA	v	509	-	-	8/33/109/115	-
19	BCR	Z	603	-	-	10/29/63/63	0/2/2/2
16	CLA	a	1134	-	-	11/15/91/115	-

All (5474) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	F	1302	CLA	C2B-C1B	4.42	1.49	1.40
16	f	1302	CLA	C2B-C1B	4.40	1.49	1.40
16	Q	1302	CLA	C2B-C1B	4.39	1.49	1.40
16	F	1302	CLA	C3B-C4B	4.32	1.49	1.40
16	f	1302	CLA	C3B-C4B	4.31	1.49	1.40
16	Q	1302	CLA	C3B-C4B	4.30	1.49	1.40
16	y	517	CLA	C1D-ND	3.66	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	t	514	CLA	C1D-ND	3.65	1.42	1.37
16	n	514	CLA	C1D-ND	3.65	1.42	1.37
16	h	517	CLA	C1D-ND	3.65	1.42	1.37
19	B	4010	BCR	C1-C6	-3.64	1.49	1.53
16	v	517	CLA	C1D-ND	3.64	1.42	1.37
19	b	4010	BCR	C1-C6	-3.64	1.49	1.53
16	u	504	CLA	C1D-ND	3.63	1.42	1.37
16	r	513	CLA	C1D-ND	3.62	1.42	1.37
19	a	4007	BCR	C1-C6	-3.61	1.49	1.53
16	W	514	CLA	C1D-ND	3.61	1.42	1.37
19	U	4019	BCR	C30-C25	-3.60	1.49	1.53
16	h	507	CLA	C1D-ND	3.59	1.42	1.37
16	A	1128	CLA	CMB-C2B	-3.59	1.43	1.50
16	Y	503	CLA	C1D-ND	3.59	1.42	1.37
19	G	4010	BCR	C1-C6	-3.58	1.49	1.53
16	a	1128	CLA	CMB-C2B	-3.58	1.43	1.50
16	x	508	CLA	C1D-ND	3.58	1.42	1.37
16	q	510	CLA	C1D-ND	3.58	1.42	1.37
16	g	508	CLA	C1D-ND	3.57	1.42	1.37
16	r	504	CLA	C1D-ND	3.57	1.42	1.37
16	X	504	CLA	C1D-ND	3.56	1.42	1.37
16	n	510	CLA	C1D-ND	3.56	1.42	1.37
16	x	513	CLA	C1D-ND	3.56	1.42	1.37
19	L	4019	BCR	C30-C25	-3.56	1.49	1.53
16	H	1128	CLA	CMB-C2B	-3.56	1.43	1.50
16	s	510	CLA	C1D-ND	3.56	1.42	1.37
19	I	4020	BCR	C1-C6	-3.55	1.49	1.53
16	g	516	CLA	C1D-ND	3.55	1.42	1.37
16	g	510	CLA	C1D-ND	3.55	1.42	1.37
16	o	504	CLA	C1D-ND	3.55	1.42	1.37
16	W	504	CLA	C1D-ND	3.55	1.42	1.37
16	v	503	CLA	C1D-ND	3.55	1.42	1.37
16	n	512	CLA	C1D-ND	3.54	1.42	1.37
16	r	516	CLA	C1D-ND	3.54	1.42	1.37
16	y	513	CLA	C1D-ND	3.54	1.42	1.37
19	H	4007	BCR	C1-C6	-3.54	1.49	1.53
16	h	512	CLA	C1D-ND	3.54	1.42	1.37
16	n	504	CLA	C1D-ND	3.54	1.42	1.37
19	l	4019	BCR	C30-C25	-3.53	1.49	1.53
16	h	514	CLA	C1D-ND	3.53	1.42	1.37
19	n	603	BCR	C30-C25	-3.53	1.49	1.53
19	R	4020	BCR	C1-C6	-3.53	1.49	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	x	516	CLA	C1D-ND	3.53	1.42	1.37
19	a	4008	BCR	C1-C6	-3.53	1.49	1.53
16	r	505	CLA	C1D-ND	3.53	1.42	1.37
16	v	508	CLA	C1D-ND	3.53	1.42	1.37
19	A	4007	BCR	C1-C6	-3.53	1.49	1.53
16	t	504	CLA	C1D-ND	3.53	1.42	1.37
19	A	4008	BCR	C1-C6	-3.53	1.49	1.53
19	i	4020	BCR	C1-C6	-3.53	1.49	1.53
16	s	513	CLA	C1D-ND	3.52	1.42	1.37
16	y	503	CLA	C1D-ND	3.52	1.42	1.37
16	g	505	CLA	C1D-ND	3.52	1.42	1.37
19	H	4008	BCR	C1-C6	-3.52	1.49	1.53
16	W	503	CLA	C1D-ND	3.51	1.42	1.37
16	h	508	CLA	C1D-ND	3.51	1.42	1.37
16	v	507	CLA	C1D-ND	3.51	1.42	1.37
16	n	511	CLA	C1D-ND	3.51	1.42	1.37
16	y	507	CLA	C1D-ND	3.51	1.42	1.37
19	F	4016	BCR	C1-C6	-3.51	1.49	1.53
16	A	1113	CLA	C1D-ND	3.51	1.42	1.37
16	Z	510	CLA	C1D-ND	3.51	1.42	1.37
16	Z	511	CLA	C1D-ND	3.51	1.42	1.37
16	w	510	CLA	C1D-ND	3.51	1.42	1.37
16	g	504	CLA	C1D-ND	3.51	1.42	1.37
16	u	501	CLA	C1D-ND	3.51	1.42	1.37
16	W	517	CLA	C1D-ND	3.51	1.42	1.37
16	h	503	CLA	C1D-ND	3.50	1.42	1.37
16	w	511	CLA	C1D-ND	3.50	1.42	1.37
16	y	512	CLA	C1D-ND	3.50	1.42	1.37
16	t	512	CLA	C1D-ND	3.50	1.42	1.37
16	B	1219	CLA	C1D-ND	3.50	1.42	1.37
16	W	505	CLA	C1D-ND	3.50	1.42	1.37
19	Q	4016	BCR	C1-C6	-3.50	1.49	1.53
16	r	508	CLA	C1D-ND	3.49	1.42	1.37
16	o	501	CLA	C1D-ND	3.49	1.42	1.37
16	x	505	CLA	C1D-ND	3.49	1.42	1.37
16	v	506	CLA	C1D-ND	3.49	1.42	1.37
16	h	509	CLA	C1D-ND	3.49	1.42	1.37
16	t	517	CLA	C1D-ND	3.48	1.42	1.37
16	t	501	CLA	C1D-ND	3.48	1.42	1.37
16	X	501	CLA	C1D-ND	3.48	1.42	1.37
16	g	513	CLA	C1D-ND	3.48	1.42	1.37
16	G	1240	CLA	C1D-ND	3.48	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	q	516	CLA	C1D-ND	3.48	1.42	1.37
16	g	501	CLA	C1D-ND	3.48	1.42	1.37
16	t	511	CLA	C1D-ND	3.48	1.42	1.37
16	n	513	CLA	C1D-ND	3.48	1.42	1.37
16	x	504	CLA	C1D-ND	3.48	1.42	1.37
16	y	506	CLA	C1D-ND	3.48	1.42	1.37
16	r	509	CLA	C1D-ND	3.48	1.42	1.37
16	a	1123	CLA	C1D-ND	3.48	1.42	1.37
16	r	510	CLA	C1D-ND	3.48	1.42	1.37
16	h	504	CLA	C1D-ND	3.48	1.42	1.37
16	h	506	CLA	C1D-ND	3.47	1.42	1.37
16	W	513	CLA	C1D-ND	3.47	1.42	1.37
16	x	510	CLA	C1D-ND	3.47	1.42	1.37
16	W	512	CLA	C1D-ND	3.47	1.42	1.37
16	v	510	CLA	C1D-ND	3.47	1.42	1.37
16	B	1240	CLA	C1D-ND	3.47	1.42	1.37
16	W	511	CLA	C1D-ND	3.47	1.42	1.37
16	y	505	CLA	C1D-ND	3.47	1.42	1.37
16	n	501	CLA	C1D-ND	3.47	1.42	1.37
19	a	4001	BCR	C1-C6	-3.47	1.49	1.53
16	h	513	CLA	C1D-ND	3.46	1.42	1.37
16	h	505	CLA	C1D-ND	3.46	1.42	1.37
16	h	510	CLA	C1D-ND	3.46	1.42	1.37
16	H	1123	CLA	C1D-ND	3.46	1.42	1.37
16	q	508	CLA	C1D-ND	3.46	1.42	1.37
19	t	603	BCR	C30-C25	-3.46	1.49	1.53
16	B	1212	CLA	C1D-ND	3.46	1.42	1.37
16	b	1219	CLA	C1D-ND	3.46	1.42	1.37
16	p	513	CLA	C1D-ND	3.46	1.42	1.37
16	G	1212	CLA	C1D-ND	3.46	1.42	1.37
16	u	513	CLA	C1D-ND	3.46	1.42	1.37
16	r	517	CLA	C1D-ND	3.46	1.42	1.37
16	Y	513	CLA	C1D-ND	3.46	1.42	1.37
16	W	507	CLA	C1D-ND	3.46	1.42	1.37
16	a	1113	CLA	C1D-ND	3.46	1.42	1.37
16	n	505	CLA	C1D-ND	3.46	1.42	1.37
16	p	503	CLA	C1D-ND	3.46	1.42	1.37
16	s	503	CLA	C1D-ND	3.45	1.42	1.37
16	v	512	CLA	C1D-ND	3.45	1.42	1.37
16	S	1303	CLA	C1D-ND	3.45	1.42	1.37
19	A	4001	BCR	C1-C6	-3.45	1.49	1.53
16	v	513	CLA	C1D-ND	3.45	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	A	1123	CLA	C1D-ND	3.45	1.42	1.37
16	n	517	CLA	C1D-ND	3.45	1.42	1.37
16	h	511	CLA	C1D-ND	3.45	1.42	1.37
16	p	510	CLA	C1D-ND	3.45	1.42	1.37
19	S	4015	BCR	C1-C6	-3.45	1.49	1.53
16	v	514	CLA	C1D-ND	3.45	1.42	1.37
16	s	501	CLA	C1D-ND	3.45	1.42	1.37
16	w	504	CLA	C1D-ND	3.45	1.42	1.37
16	r	503	CLA	C1D-ND	3.45	1.42	1.37
16	r	501	CLA	C1D-ND	3.45	1.42	1.37
16	F	1302	CLA	C2D-C1D	3.45	1.48	1.42
16	H	1108	CLA	C1D-ND	3.44	1.42	1.37
16	x	503	CLA	C1D-ND	3.44	1.42	1.37
19	H	4001	BCR	C1-C6	-3.44	1.49	1.53
16	A	1114	CLA	C1D-ND	3.44	1.42	1.37
16	x	517	CLA	C1D-ND	3.44	1.42	1.37
16	p	504	CLA	C1D-ND	3.44	1.42	1.37
16	a	1120	CLA	C1D-ND	3.44	1.42	1.37
16	Q	1302	CLA	C2D-C1D	3.44	1.48	1.42
16	b	1212	CLA	C1D-ND	3.44	1.42	1.37
16	f	1302	CLA	C2D-C1D	3.44	1.48	1.42
16	X	507	CLA	C1D-ND	3.44	1.42	1.37
16	w	517	CLA	C1D-ND	3.44	1.42	1.37
16	w	514	CLA	C1D-ND	3.44	1.42	1.37
19	i	4020	BCR	C30-C25	-3.44	1.49	1.53
16	y	508	CLA	C1D-ND	3.44	1.42	1.37
16	w	513	CLA	C1D-ND	3.44	1.42	1.37
19	J	4015	BCR	C1-C6	-3.44	1.49	1.53
16	o	514	CLA	C1D-ND	3.44	1.42	1.37
16	x	507	CLA	C1D-ND	3.43	1.42	1.37
16	Y	505	CLA	C1D-ND	3.43	1.42	1.37
16	y	509	CLA	C1D-ND	3.43	1.42	1.37
16	G	1219	CLA	C1D-ND	3.43	1.42	1.37
16	X	503	CLA	C1D-ND	3.43	1.42	1.37
16	X	514	CLA	C1D-ND	3.43	1.42	1.37
16	v	511	CLA	C1D-ND	3.43	1.42	1.37
16	u	514	CLA	C1D-ND	3.43	1.42	1.37
19	j	4015	BCR	C1-C6	-3.43	1.49	1.53
16	X	517	CLA	C1D-ND	3.43	1.42	1.37
16	x	509	CLA	C1D-ND	3.43	1.42	1.37
19	R	4020	BCR	C30-C25	-3.43	1.49	1.53
19	f	4016	BCR	C1-C6	-3.43	1.49	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	a	1121	CLA	C1D-ND	3.43	1.42	1.37
16	j	1302	CLA	C1D-ND	3.43	1.42	1.37
19	b	4017	BCR	C1-C6	-3.42	1.49	1.53
16	g	503	CLA	C1D-ND	3.42	1.42	1.37
16	q	509	CLA	C1D-ND	3.42	1.42	1.37
19	G	4017	BCR	C1-C6	-3.42	1.49	1.53
16	G	1218	CLA	C1D-ND	3.42	1.42	1.37
16	W	501	CLA	C1D-ND	3.42	1.42	1.37
16	r	512	CLA	C1D-ND	3.42	1.42	1.37
16	s	504	CLA	C1D-ND	3.42	1.42	1.37
16	b	1218	CLA	C1D-ND	3.42	1.42	1.37
16	q	511	CLA	C1D-ND	3.42	1.42	1.37
16	y	514	CLA	C1D-ND	3.42	1.42	1.37
16	Z	516	CLA	C1D-ND	3.42	1.42	1.37
16	q	514	CLA	C1D-ND	3.42	1.42	1.37
16	t	505	CLA	C1D-ND	3.42	1.42	1.37
16	t	510	CLA	C1D-ND	3.42	1.42	1.37
16	s	505	CLA	C1D-ND	3.42	1.42	1.37
16	s	517	CLA	C1D-ND	3.42	1.42	1.37
16	g	512	CLA	C1D-ND	3.42	1.42	1.37
16	x	514	CLA	C1D-ND	3.41	1.42	1.37
16	X	513	CLA	C1D-ND	3.41	1.42	1.37
16	j	1303	CLA	C1D-ND	3.41	1.42	1.37
16	r	507	CLA	C1D-ND	3.41	1.42	1.37
16	g	511	CLA	C1D-ND	3.41	1.42	1.37
16	x	511	CLA	C1D-ND	3.41	1.42	1.37
16	Y	517	CLA	C1D-ND	3.41	1.42	1.37
16	Z	508	CLA	C1D-ND	3.41	1.42	1.37
16	a	1114	CLA	C1D-ND	3.41	1.42	1.37
16	n	503	CLA	C1D-ND	3.41	1.42	1.37
16	S	1302	CLA	C1D-ND	3.41	1.42	1.37
16	y	516	CLA	C1D-ND	3.41	1.42	1.37
16	v	504	CLA	C1D-ND	3.41	1.42	1.37
16	y	511	CLA	C1D-ND	3.41	1.42	1.37
16	p	501	CLA	C1D-ND	3.41	1.42	1.37
16	n	516	CLA	C1D-ND	3.40	1.42	1.37
16	b	1240	CLA	C1D-ND	3.40	1.42	1.37
16	r	502	CLA	C1D-ND	3.40	1.42	1.37
16	u	510	CLA	C1D-ND	3.40	1.42	1.37
16	v	505	CLA	C1D-ND	3.40	1.42	1.37
16	o	513	CLA	C1D-ND	3.40	1.42	1.37
16	q	504	CLA	C1D-ND	3.40	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	t	513	CLA	C1D-ND	3.40	1.42	1.37
16	Z	504	CLA	C1D-ND	3.40	1.42	1.37
16	H	1114	CLA	C1D-ND	3.40	1.42	1.37
16	x	501	CLA	C1D-ND	3.40	1.42	1.37
16	v	509	CLA	C1D-ND	3.40	1.42	1.37
16	q	507	CLA	C1D-ND	3.40	1.42	1.37
16	B	1218	CLA	C1D-ND	3.39	1.42	1.37
16	Y	504	CLA	C1D-ND	3.39	1.42	1.37
16	Z	502	CLA	C4B-NB	3.39	1.42	1.37
16	g	507	CLA	C1D-ND	3.39	1.42	1.37
16	Y	501	CLA	C1D-ND	3.39	1.42	1.37
16	H	1113	CLA	C1D-ND	3.39	1.42	1.37
16	Z	509	CLA	C1D-ND	3.39	1.42	1.37
16	w	508	CLA	C1D-ND	3.39	1.42	1.37
16	H	1120	CLA	C1D-ND	3.39	1.42	1.37
16	a	1108	CLA	C1D-ND	3.39	1.42	1.37
16	q	512	CLA	C1D-ND	3.39	1.42	1.37
16	W	510	CLA	C1D-ND	3.39	1.42	1.37
16	y	504	CLA	C1D-ND	3.39	1.42	1.37
16	q	503	CLA	C1D-ND	3.39	1.42	1.37
16	A	1121	CLA	C1D-ND	3.39	1.42	1.37
16	Z	512	CLA	C1D-ND	3.39	1.42	1.37
16	g	517	CLA	C1D-ND	3.39	1.42	1.37
16	o	517	CLA	C1D-ND	3.39	1.42	1.37
16	B	1231	CLA	C1D-ND	3.39	1.42	1.37
16	Z	506	CLA	C1D-ND	3.39	1.42	1.37
16	Y	510	CLA	C1D-ND	3.38	1.42	1.37
16	Z	517	CLA	C1D-ND	3.38	1.42	1.37
16	n	509	CLA	C1D-ND	3.38	1.42	1.37
16	q	515	CLA	C1D-ND	3.38	1.42	1.37
16	o	507	CLA	C1D-ND	3.38	1.42	1.37
19	W	603	BCR	C30-C25	-3.38	1.49	1.53
19	G	4004	BCR	C1-C6	-3.38	1.49	1.53
16	G	1232	CLA	C1D-ND	3.38	1.42	1.37
16	J	1302	CLA	C1D-ND	3.38	1.42	1.37
16	Y	508	CLA	C1D-ND	3.38	1.42	1.37
16	w	512	CLA	C1D-ND	3.38	1.42	1.37
16	b	1021	CLA	C1B-C2B	3.38	1.51	1.43
16	J	1303	CLA	C1D-ND	3.38	1.42	1.37
16	A	1111	CLA	C1D-ND	3.38	1.42	1.37
19	B	4017	BCR	C1-C6	-3.38	1.49	1.53
16	A	1134	CLA	C1D-ND	3.38	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	t	509	CLA	C1D-ND	3.38	1.42	1.37
16	B	1021	CLA	C1B-C2B	3.38	1.51	1.43
16	g	509	CLA	C1D-ND	3.38	1.42	1.37
16	q	505	CLA	C1D-ND	3.38	1.42	1.37
16	w	507	CLA	C1D-ND	3.38	1.42	1.37
16	g	514	CLA	C1D-ND	3.37	1.42	1.37
16	p	505	CLA	C1D-ND	3.37	1.42	1.37
16	p	517	CLA	C1D-ND	3.37	1.42	1.37
16	h	516	CLA	C1D-ND	3.37	1.42	1.37
16	u	507	CLA	C1D-ND	3.37	1.42	1.37
16	w	509	CLA	C1D-ND	3.37	1.42	1.37
16	Z	503	CLA	C1D-ND	3.37	1.42	1.37
16	b	1232	CLA	C1D-ND	3.37	1.42	1.37
16	n	508	CLA	C1D-ND	3.37	1.42	1.37
16	s	506	CLA	C1D-ND	3.37	1.42	1.37
16	W	516	CLA	C1D-ND	3.37	1.42	1.37
16	X	510	CLA	C1D-ND	3.37	1.42	1.37
16	H	1121	CLA	C1D-ND	3.37	1.42	1.37
16	p	508	CLA	C1D-ND	3.37	1.42	1.37
16	b	1231	CLA	C1D-ND	3.37	1.42	1.37
16	t	507	CLA	C1D-ND	3.37	1.42	1.37
16	t	508	CLA	C1D-ND	3.37	1.42	1.37
16	H	1111	CLA	C1D-ND	3.37	1.42	1.37
16	a	1111	CLA	C1D-ND	3.37	1.42	1.37
16	Z	501	CLA	C1D-ND	3.37	1.42	1.37
16	a	1134	CLA	C1D-ND	3.37	1.42	1.37
19	S	4012	BCR	C1-C6	-3.37	1.49	1.53
16	u	508	CLA	C1D-ND	3.36	1.42	1.37
16	w	501	CLA	C1D-ND	3.36	1.42	1.37
19	I	4020	BCR	C30-C25	-3.36	1.49	1.53
16	Z	507	CLA	C1D-ND	3.36	1.42	1.37
16	G	1217	CLA	C1D-ND	3.36	1.42	1.37
16	w	503	CLA	C1D-ND	3.36	1.42	1.37
16	r	514	CLA	C1D-ND	3.36	1.42	1.37
16	A	1120	CLA	C1D-ND	3.36	1.42	1.37
16	G	1216	CLA	C1D-ND	3.36	1.42	1.37
16	G	1223	CLA	C1D-ND	3.36	1.42	1.37
19	p	604	BCR	C30-C25	-3.36	1.49	1.53
16	b	1228	CLA	C1D-ND	3.36	1.42	1.37
16	n	507	CLA	C1D-ND	3.36	1.42	1.37
16	q	501	CLA	C1D-ND	3.36	1.42	1.37
16	t	516	CLA	C1D-ND	3.36	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	t	503	CLA	C1D-ND	3.36	1.42	1.37
16	B	1223	CLA	C1D-ND	3.36	1.42	1.37
16	Y	507	CLA	C1D-ND	3.36	1.42	1.37
16	u	517	CLA	C1D-ND	3.36	1.42	1.37
19	A	4002	BCR	C1-C6	-3.35	1.49	1.53
19	j	4012	BCR	C1-C6	-3.35	1.49	1.53
16	A	1108	CLA	C1D-ND	3.35	1.42	1.37
16	B	1209	CLA	C1D-ND	3.35	1.42	1.37
19	H	4002	BCR	C1-C6	-3.35	1.49	1.53
16	Z	513	CLA	C1D-ND	3.35	1.42	1.37
16	q	506	CLA	C1D-ND	3.35	1.42	1.37
16	r	511	CLA	C1D-ND	3.35	1.42	1.37
16	h	501	CLA	C1D-ND	3.35	1.42	1.37
16	G	1021	CLA	C1B-C2B	3.35	1.51	1.43
16	o	510	CLA	C1D-ND	3.35	1.42	1.37
16	b	1209	CLA	C1D-ND	3.35	1.42	1.37
16	X	508	CLA	C1D-ND	3.35	1.42	1.37
16	b	1217	CLA	C1D-ND	3.35	1.42	1.37
16	B	1217	CLA	C1D-ND	3.35	1.42	1.37
16	q	513	CLA	C1D-ND	3.35	1.42	1.37
16	w	516	CLA	C1D-ND	3.35	1.42	1.37
19	y	602	BCR	C1-C6	-3.35	1.49	1.53
16	r	506	CLA	C1D-ND	3.35	1.42	1.37
16	w	505	CLA	C1D-ND	3.34	1.42	1.37
16	B	1228	CLA	C1D-ND	3.34	1.42	1.37
16	G	1214	CLA	C1D-ND	3.34	1.42	1.37
19	a	4002	BCR	C1-C6	-3.34	1.49	1.53
16	h	515	CLA	C1D-ND	3.34	1.42	1.37
16	x	512	CLA	C1D-ND	3.34	1.42	1.37
16	b	1208	CLA	C1D-ND	3.34	1.42	1.37
16	s	508	CLA	C1D-ND	3.34	1.42	1.37
19	M	4021	BCR	C1-C6	-3.34	1.49	1.53
16	B	1232	CLA	C1D-ND	3.34	1.42	1.37
19	b	4004	BCR	C1-C6	-3.34	1.49	1.53
16	G	1213	CLA	C1D-ND	3.34	1.42	1.37
16	v	515	CLA	C1D-ND	3.33	1.42	1.37
16	q	517	CLA	C1D-ND	3.33	1.42	1.37
16	Z	514	CLA	C1D-ND	3.33	1.42	1.37
16	G	1231	CLA	C1D-ND	3.33	1.42	1.37
19	J	4012	BCR	C1-C6	-3.33	1.49	1.53
19	Z	602	BCR	C1-C6	-3.33	1.49	1.53
16	b	1223	CLA	C1D-ND	3.33	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	w	515	CLA	C1D-ND	3.33	1.42	1.37
16	g	502	CLA	C1D-ND	3.33	1.42	1.37
19	s	604	BCR	C30-C25	-3.33	1.49	1.53
16	l	1501	CLA	C1D-ND	3.33	1.42	1.37
16	G	1209	CLA	C1D-ND	3.33	1.42	1.37
16	v	516	CLA	C1D-ND	3.33	1.42	1.37
16	w	506	CLA	C1D-ND	3.33	1.42	1.37
16	W	509	CLA	C1D-ND	3.33	1.42	1.37
16	y	501	CLA	C1D-ND	3.33	1.42	1.37
19	m	4021	BCR	C1-C6	-3.33	1.49	1.53
19	V	4021	BCR	C1-C6	-3.33	1.49	1.53
16	u	516	CLA	C1D-ND	3.32	1.42	1.37
16	a	1125	CLA	C1D-ND	3.32	1.42	1.37
16	o	508	CLA	C1D-ND	3.32	1.42	1.37
16	s	509	CLA	C1D-ND	3.32	1.42	1.37
16	B	1227	CLA	C1D-ND	3.32	1.42	1.37
19	B	4004	BCR	C1-C6	-3.32	1.49	1.53
16	b	1235	CLA	C1D-ND	3.32	1.42	1.37
16	x	506	CLA	C1D-ND	3.32	1.42	1.37
16	g	506	CLA	C1D-ND	3.32	1.42	1.37
16	o	516	CLA	C1D-ND	3.32	1.42	1.37
16	X	516	CLA	C1D-ND	3.32	1.42	1.37
16	L	1501	CLA	C1D-ND	3.31	1.42	1.37
16	p	516	CLA	C1D-ND	3.31	1.42	1.37
16	G	1208	CLA	C1D-ND	3.31	1.42	1.37
16	v	501	CLA	C1D-ND	3.31	1.42	1.37
16	A	1122	CLA	C1D-ND	3.31	1.42	1.37
19	v	604	BCR	C1-C6	-3.31	1.49	1.53
16	X	509	CLA	C1D-ND	3.31	1.42	1.37
16	a	1402	CLA	C1D-ND	3.31	1.42	1.37
16	b	1216	CLA	C1D-ND	3.31	1.42	1.37
16	G	1227	CLA	C1D-ND	3.31	1.42	1.37
16	B	1216	CLA	C1D-ND	3.31	1.42	1.37
16	o	506	CLA	C1D-ND	3.31	1.42	1.37
16	B	1208	CLA	C1D-ND	3.31	1.42	1.37
16	W	506	CLA	C1D-ND	3.31	1.42	1.37
16	o	511	CLA	C1D-ND	3.30	1.42	1.37
16	u	509	CLA	C1D-ND	3.30	1.42	1.37
16	W	508	CLA	C1D-ND	3.30	1.42	1.37
16	r	515	CLA	C1D-ND	3.30	1.42	1.37
16	s	507	CLA	C1D-ND	3.30	1.42	1.37
16	H	1402	CLA	C1D-ND	3.30	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	s	512	CLA	C1D-ND	3.30	1.42	1.37
16	X	506	CLA	C1D-ND	3.30	1.42	1.37
16	B	1226	CLA	CMB-C2B	-3.30	1.44	1.50
16	Y	512	CLA	C1D-ND	3.30	1.42	1.37
16	b	1226	CLA	CMB-C2B	-3.30	1.44	1.50
16	Z	505	CLA	C1D-ND	3.30	1.42	1.37
16	v	502	CLA	C1D-ND	3.30	1.42	1.37
19	l	4019	BCR	C1-C6	-3.30	1.49	1.53
19	h	602	BCR	C30-C25	-3.30	1.49	1.53
16	u	512	CLA	C1D-ND	3.30	1.42	1.37
16	t	506	CLA	C1D-ND	3.29	1.42	1.37
16	Y	509	CLA	C1D-ND	3.29	1.42	1.37
16	u	506	CLA	C1D-ND	3.29	1.42	1.37
16	H	1110	CLA	C1D-ND	3.29	1.42	1.37
16	B	1235	CLA	C1D-ND	3.29	1.42	1.37
16	H	1134	CLA	C1D-ND	3.29	1.42	1.37
16	y	510	CLA	C1D-ND	3.29	1.42	1.37
16	x	515	CLA	C1D-ND	3.29	1.42	1.37
19	w	602	BCR	C1-C6	-3.29	1.49	1.53
16	n	506	CLA	C1D-ND	3.28	1.42	1.37
16	b	1214	CLA	C1D-ND	3.28	1.42	1.37
16	b	1227	CLA	C1D-ND	3.28	1.42	1.37
16	H	1112	CLA	C1D-ND	3.28	1.42	1.37
16	H	1109	CLA	C1D-ND	3.28	1.42	1.37
16	u	505	CLA	C1D-ND	3.28	1.42	1.37
16	g	515	CLA	C1D-ND	3.28	1.42	1.37
16	o	509	CLA	C1D-ND	3.28	1.42	1.37
16	B	1225	CLA	C1D-ND	3.28	1.42	1.37
16	A	1125	CLA	C1D-ND	3.28	1.42	1.37
16	y	515	CLA	C1D-ND	3.28	1.42	1.37
16	A	1402	CLA	C1D-ND	3.27	1.42	1.37
16	U	1501	CLA	C1D-ND	3.27	1.42	1.37
16	A	1139	CLA	C1D-ND	3.27	1.42	1.37
16	a	1116	CLA	C1D-ND	3.27	1.42	1.37
16	H	1115	CLA	C1D-ND	3.27	1.42	1.37
16	a	1112	CLA	C1D-ND	3.27	1.42	1.37
16	o	512	CLA	C1D-ND	3.27	1.42	1.37
16	s	511	CLA	C1D-ND	3.27	1.42	1.37
19	v	602	BCR	C30-C25	-3.27	1.49	1.53
16	G	1234	CLA	C1D-ND	3.27	1.42	1.37
16	p	507	CLA	C1D-ND	3.27	1.42	1.37
16	G	1235	CLA	C1D-ND	3.27	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	H	1125	CLA	C1D-ND	3.26	1.42	1.37
16	B	1213	CLA	C1D-ND	3.26	1.42	1.37
16	G	1228	CLA	C1D-ND	3.26	1.42	1.37
19	L	4019	BCR	C1-C6	-3.26	1.49	1.53
16	B	1214	CLA	C1D-ND	3.26	1.42	1.37
16	A	1109	CLA	C1D-ND	3.26	1.42	1.37
16	G	1222	CLA	C1D-ND	3.26	1.42	1.37
16	p	506	CLA	C1D-ND	3.26	1.42	1.37
16	H	1122	CLA	C1D-ND	3.26	1.42	1.37
16	o	505	CLA	C1D-ND	3.26	1.42	1.37
16	B	1229	CLA	C1D-ND	3.26	1.42	1.37
19	U	4019	BCR	C1-C6	-3.26	1.49	1.53
16	b	1201	CLA	C1D-ND	3.26	1.42	1.37
16	b	1225	CLA	C1D-ND	3.26	1.42	1.37
19	Y	604	BCR	C30-C25	-3.26	1.49	1.53
16	o	503	CLA	C1D-ND	3.25	1.42	1.37
16	l	1503	CLA	C1D-ND	3.25	1.42	1.37
16	X	512	CLA	C1D-ND	3.25	1.42	1.37
16	f	1301	CLA	C1D-ND	3.25	1.42	1.37
19	o	603	BCR	C30-C25	-3.25	1.49	1.53
16	a	1122	CLA	C1D-ND	3.25	1.42	1.37
16	a	1109	CLA	C1D-ND	3.25	1.42	1.37
16	G	1201	CLA	C1D-ND	3.25	1.42	1.37
16	G	1225	CLA	C1D-ND	3.25	1.42	1.37
19	y	602	BCR	C30-C25	-3.25	1.49	1.53
16	B	1234	CLA	C1D-ND	3.25	1.42	1.37
16	H	1105	CLA	C1D-ND	3.25	1.42	1.37
16	x	502	CLA	C1D-ND	3.25	1.42	1.37
16	a	1139	CLA	C1D-ND	3.25	1.42	1.37
16	p	509	CLA	C1D-ND	3.24	1.42	1.37
16	u	503	CLA	C1D-ND	3.24	1.42	1.37
16	s	514	CLA	C1D-ND	3.24	1.42	1.37
16	A	1110	CLA	C1D-ND	3.24	1.42	1.37
16	G	1207	CLA	C1D-ND	3.24	1.42	1.37
16	p	512	CLA	C1D-ND	3.24	1.42	1.37
19	r	603	BCR	C30-C25	-3.24	1.49	1.53
16	H	1140	CLA	C1D-ND	3.24	1.42	1.37
16	u	511	CLA	C1D-ND	3.24	1.42	1.37
16	Q	1301	CLA	C1D-ND	3.24	1.42	1.37
16	b	1213	CLA	C1D-ND	3.24	1.42	1.37
16	B	1207	CLA	C1D-ND	3.23	1.42	1.37
16	L	1503	CLA	C1D-ND	3.23	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	X	505	CLA	C1D-ND	3.23	1.42	1.37
19	B	4005	BCR	C30-C25	-3.23	1.49	1.53
16	G	1226	CLA	CMB-C2B	-3.23	1.44	1.50
16	H	1138	CLA	C1D-ND	3.23	1.42	1.37
16	h	502	CLA	C1D-ND	3.23	1.42	1.37
16	A	1115	CLA	C1D-ND	3.23	1.42	1.37
16	B	1203	CLA	C1D-ND	3.23	1.42	1.37
19	u	603	BCR	C30-C25	-3.22	1.49	1.53
16	s	516	CLA	C1D-ND	3.22	1.42	1.37
16	H	1106	CLA	C1D-ND	3.22	1.42	1.37
16	F	1301	CLA	C1D-ND	3.22	1.42	1.37
19	h	602	BCR	C1-C6	-3.22	1.49	1.53
19	v	603	BCR	C1-C6	-3.22	1.49	1.53
16	w	502	CLA	C4B-NB	3.22	1.42	1.37
16	A	1116	CLA	C1D-ND	3.22	1.42	1.37
16	X	511	CLA	C1D-ND	3.22	1.42	1.37
16	Y	511	CLA	C1D-ND	3.22	1.42	1.37
16	A	1112	CLA	C1D-ND	3.21	1.42	1.37
16	b	1234	CLA	C1D-ND	3.21	1.42	1.37
16	H	1132	CLA	C1D-ND	3.21	1.42	1.37
16	Y	506	CLA	C1D-ND	3.21	1.42	1.37
16	a	1106	CLA	C1D-ND	3.21	1.42	1.37
16	b	1203	CLA	C1D-ND	3.21	1.42	1.37
16	p	511	CLA	C1D-ND	3.21	1.42	1.37
19	y	603	BCR	C1-C6	-3.21	1.49	1.53
16	H	1022	CLA	C1D-ND	3.21	1.42	1.37
16	B	1201	CLA	C1D-ND	3.21	1.42	1.37
16	B	1236	CLA	C1D-ND	3.21	1.42	1.37
16	a	1132	CLA	C1D-ND	3.21	1.42	1.37
16	A	1132	CLA	C1D-ND	3.21	1.42	1.37
16	G	1203	CLA	C1D-ND	3.21	1.42	1.37
19	q	602	BCR	C1-C6	-3.21	1.49	1.53
16	n	502	CLA	C1D-ND	3.21	1.42	1.37
16	a	1022	CLA	C1D-ND	3.20	1.42	1.37
16	Y	514	CLA	C1D-ND	3.20	1.42	1.37
16	H	1139	CLA	C1D-ND	3.20	1.42	1.37
16	s	515	CLA	C1D-ND	3.20	1.42	1.37
16	a	1110	CLA	C1D-ND	3.20	1.42	1.37
16	b	1229	CLA	C1D-ND	3.20	1.42	1.37
16	B	1220	CLA	C1D-ND	3.20	1.42	1.37
16	A	1102	CLA	C1D-ND	3.20	1.42	1.37
16	a	1115	CLA	C1D-ND	3.20	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	A	1022	CLA	C1D-ND	3.20	1.42	1.37
16	A	1117	CLA	C1D-ND	3.19	1.42	1.37
19	g	603	BCR	C30-C25	-3.19	1.49	1.53
16	p	515	CLA	C1D-ND	3.19	1.42	1.37
19	B	4014	BCR	C1-C6	-3.19	1.49	1.53
16	b	1236	CLA	C1D-ND	3.19	1.42	1.37
16	a	1105	CLA	C1D-ND	3.19	1.42	1.37
16	G	1215	CLA	C1D-ND	3.19	1.42	1.37
16	A	1119	CLA	C1D-ND	3.18	1.42	1.37
16	b	1207	CLA	C1D-ND	3.18	1.42	1.37
16	G	1236	CLA	C1D-ND	3.18	1.42	1.37
16	U	1503	CLA	C1D-ND	3.18	1.42	1.37
16	H	1116	CLA	C1D-ND	3.18	1.42	1.37
19	b	4005	BCR	C30-C25	-3.18	1.49	1.53
16	H	1102	CLA	C1D-ND	3.18	1.42	1.37
16	o	502	CLA	C1D-ND	3.18	1.42	1.37
19	G	4005	BCR	C30-C25	-3.18	1.49	1.53
16	A	1140	CLA	C1D-ND	3.18	1.42	1.37
16	A	1136	CLA	C1D-ND	3.18	1.42	1.37
19	b	4017	BCR	C30-C25	-3.17	1.49	1.53
19	h	603	BCR	C1-C6	-3.17	1.49	1.53
16	G	1220	CLA	C1D-ND	3.17	1.42	1.37
16	a	1138	CLA	C1D-ND	3.17	1.42	1.37
16	b	1222	CLA	C1D-ND	3.17	1.42	1.37
16	B	1222	CLA	C1D-ND	3.17	1.42	1.37
16	p	514	CLA	C1D-ND	3.17	1.42	1.37
16	u	502	CLA	C1D-ND	3.17	1.42	1.37
19	v	602	BCR	C1-C6	-3.17	1.49	1.53
16	a	1117	CLA	C1D-ND	3.17	1.42	1.37
16	y	502	CLA	C1D-ND	3.17	1.42	1.37
16	a	1102	CLA	C1D-ND	3.17	1.42	1.37
19	B	4017	BCR	C30-C25	-3.17	1.49	1.53
19	i	4018	BCR	C30-C25	-3.17	1.49	1.53
16	G	1240	CLA	C4B-NB	3.17	1.42	1.37
16	a	1119	CLA	C1D-ND	3.16	1.42	1.37
16	G	1229	CLA	C1D-ND	3.16	1.42	1.37
19	b	4014	BCR	C1-C6	-3.16	1.49	1.53
16	H	1119	CLA	C1D-ND	3.16	1.42	1.37
16	G	1211	CLA	C1D-ND	3.16	1.42	1.37
16	G	1210	CLA	C1D-ND	3.16	1.42	1.37
19	K	1501	BCR	C1-C6	-3.16	1.49	1.53
16	A	1133	CLA	C1D-ND	3.16	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	b	1215	CLA	C1D-ND	3.16	1.42	1.37
16	b	1210	CLA	C1D-ND	3.16	1.42	1.37
19	R	4018	BCR	C30-C25	-3.15	1.49	1.53
16	a	1129	CLA	C1D-ND	3.15	1.42	1.37
16	b	1211	CLA	C1D-ND	3.15	1.42	1.37
16	a	1140	CLA	C1D-ND	3.15	1.42	1.37
16	A	1104	CLA	C1D-ND	3.15	1.42	1.37
16	A	1105	CLA	C1D-ND	3.15	1.42	1.37
16	B	1215	CLA	C1D-ND	3.15	1.42	1.37
19	k	1501	BCR	C1-C6	-3.15	1.49	1.53
16	Y	516	CLA	C1D-ND	3.15	1.42	1.37
16	b	1220	CLA	C1D-ND	3.15	1.42	1.37
16	h	508	CLA	C4B-NB	3.15	1.42	1.37
16	B	1211	CLA	C1D-ND	3.15	1.42	1.37
16	W	502	CLA	C1D-ND	3.15	1.42	1.37
16	a	1104	CLA	C1D-ND	3.15	1.42	1.37
19	G	4017	BCR	C30-C25	-3.15	1.49	1.53
16	a	1133	CLA	C1D-ND	3.14	1.42	1.37
16	H	1117	CLA	C1D-ND	3.14	1.42	1.37
16	A	1106	CLA	C1D-ND	3.14	1.42	1.37
16	a	1135	CLA	C1D-ND	3.14	1.42	1.37
16	A	1137	CLA	C1D-ND	3.14	1.42	1.37
16	B	1210	CLA	C1D-ND	3.14	1.42	1.37
16	u	515	CLA	C1D-ND	3.14	1.42	1.37
16	v	508	CLA	C4B-NB	3.14	1.42	1.37
16	G	1232	CLA	C4B-NB	3.14	1.42	1.37
16	H	1129	CLA	C1D-ND	3.14	1.42	1.37
16	H	1136	CLA	C1D-ND	3.14	1.42	1.37
16	H	1135	CLA	C1D-ND	3.13	1.42	1.37
16	g	503	CLA	C4B-NB	3.13	1.42	1.37
16	B	1206	CLA	C1D-ND	3.13	1.42	1.37
16	H	1104	CLA	C1D-ND	3.13	1.42	1.37
16	H	1133	CLA	C1D-ND	3.13	1.42	1.37
16	A	1129	CLA	C1D-ND	3.12	1.42	1.37
16	A	1138	CLA	C1D-ND	3.12	1.42	1.37
16	H	1101	CLA	C1D-ND	3.12	1.42	1.37
16	G	1206	CLA	C1D-ND	3.12	1.42	1.37
16	H	1137	CLA	C1D-ND	3.12	1.42	1.37
16	a	1136	CLA	C1D-ND	3.12	1.42	1.37
16	Z	515	CLA	C1D-ND	3.12	1.42	1.37
19	x	603	BCR	C30-C25	-3.12	1.49	1.53
16	n	507	CLA	C4B-NB	3.11	1.42	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	b	1240	CLA	C4B-NB	3.11	1.42	1.37
16	v	513	CLA	C4B-NB	3.11	1.42	1.37
16	p	503	CLA	C4B-NB	3.11	1.41	1.37
16	y	508	CLA	C4B-NB	3.11	1.41	1.37
16	G	1230	CLA	C1D-ND	3.11	1.41	1.37
16	A	1135	CLA	C1D-ND	3.11	1.41	1.37
16	n	515	CLA	C1D-ND	3.11	1.41	1.37
16	v	516	CLA	C4B-NB	3.11	1.41	1.37
16	a	1137	CLA	C1D-ND	3.10	1.41	1.37
16	B	1240	CLA	C4B-NB	3.10	1.41	1.37
16	G	1224	CLA	C1D-ND	3.10	1.41	1.37
16	n	505	CLA	C4B-NB	3.10	1.41	1.37
19	Z	603	BCR	C1-C6	-3.10	1.49	1.53
16	B	1205	CLA	C1D-ND	3.09	1.41	1.37
16	a	1118	CLA	C1D-ND	3.09	1.41	1.37
16	a	1237	CLA	C1D-ND	3.09	1.41	1.37
16	H	1237	CLA	C1D-ND	3.09	1.41	1.37
19	Y	601	BCR	C1-C6	-3.09	1.49	1.53
16	W	515	CLA	C1D-ND	3.09	1.41	1.37
16	s	505	CLA	C4B-NB	3.09	1.41	1.37
19	I	4018	BCR	C30-C25	-3.09	1.49	1.53
16	Y	515	CLA	C1D-ND	3.09	1.41	1.37
16	y	501	CLA	C4B-NB	3.09	1.41	1.37
16	y	516	CLA	C4B-NB	3.09	1.41	1.37
16	a	1130	CLA	C1D-ND	3.09	1.41	1.37
16	h	513	CLA	C4B-NB	3.09	1.41	1.37
19	G	4014	BCR	C1-C6	-3.09	1.49	1.53
19	u	601	BCR	C1-C6	-3.09	1.49	1.53
16	A	1101	CLA	C1D-ND	3.08	1.41	1.37
16	u	514	CLA	C4B-NB	3.08	1.41	1.37
16	b	1230	CLA	C1D-ND	3.08	1.41	1.37
16	b	1239	CLA	C1D-ND	3.08	1.41	1.37
16	G	1239	CLA	C1D-ND	3.08	1.41	1.37
16	b	1224	CLA	C1D-ND	3.08	1.41	1.37
16	t	502	CLA	C1D-ND	3.08	1.41	1.37
16	o	514	CLA	C4B-NB	3.08	1.41	1.37
16	G	1202	CLA	C1D-ND	3.08	1.41	1.37
16	b	1206	CLA	C1D-ND	3.07	1.41	1.37
16	X	514	CLA	C4B-NB	3.07	1.41	1.37
16	A	1801	CLA	C1D-ND	3.07	1.41	1.37
19	X	601	BCR	C1-C6	-3.07	1.49	1.53
16	H	1131	CLA	C1D-ND	3.07	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
19	x	601	BCR	C1-C6	-3.07	1.49	1.53
19	T	1501	BCR	C1-C6	-3.07	1.49	1.53
16	W	507	CLA	C4B-NB	3.07	1.41	1.37
19	w	603	BCR	C1-C6	-3.07	1.49	1.53
19	o	601	BCR	C1-C6	-3.07	1.49	1.53
16	y	514	CLA	C4B-NB	3.06	1.41	1.37
16	A	1130	CLA	C1D-ND	3.06	1.41	1.37
16	b	1232	CLA	C4B-NB	3.06	1.41	1.37
16	A	1107	CLA	C1D-ND	3.06	1.41	1.37
16	A	1131	CLA	C1D-ND	3.06	1.41	1.37
16	s	513	CLA	C4B-NB	3.06	1.41	1.37
16	y	513	CLA	C4B-NB	3.06	1.41	1.37
16	a	1103	CLA	C1D-ND	3.06	1.41	1.37
16	p	505	CLA	C4B-NB	3.06	1.41	1.37
16	v	501	CLA	C4B-NB	3.06	1.41	1.37
19	A	4003	BCR	C1-C6	-3.06	1.49	1.53
16	A	1126	CLA	C1D-ND	3.05	1.41	1.37
19	q	603	BCR	C1-C6	-3.05	1.49	1.53
16	A	1118	CLA	C1D-ND	3.05	1.41	1.37
16	A	1237	CLA	C1D-ND	3.05	1.41	1.37
16	W	505	CLA	C4B-NB	3.05	1.41	1.37
16	b	1207	CLA	C4B-NB	3.05	1.41	1.37
16	q	501	CLA	C4B-NB	3.05	1.41	1.37
16	B	1230	CLA	C1D-ND	3.05	1.41	1.37
16	B	1239	CLA	C1D-ND	3.05	1.41	1.37
16	t	505	CLA	C4B-NB	3.05	1.41	1.37
16	v	517	CLA	C4B-NB	3.04	1.41	1.37
16	G	1023	CLA	CMC-C2C	-3.04	1.44	1.50
19	B	4005	BCR	C1-C6	-3.04	1.49	1.53
16	t	507	CLA	C4B-NB	3.04	1.41	1.37
16	b	1021	CLA	C1D-ND	3.04	1.41	1.37
16	a	1107	CLA	C1D-ND	3.04	1.41	1.37
16	b	1202	CLA	C1D-ND	3.04	1.41	1.37
16	h	502	CLA	C4B-NB	3.04	1.41	1.37
16	h	516	CLA	C4B-NB	3.04	1.41	1.37
16	H	1118	CLA	C1D-ND	3.04	1.41	1.37
16	G	1021	CLA	C1D-ND	3.04	1.41	1.37
16	p	513	CLA	C4B-NB	3.04	1.41	1.37
16	H	1107	CLA	C1D-ND	3.04	1.41	1.37
19	a	4003	BCR	C1-C6	-3.03	1.49	1.53
16	Z	501	CLA	C4B-NB	3.03	1.41	1.37
16	a	1101	CLA	C1D-ND	3.03	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	h	514	CLA	C4B-NB	3.03	1.41	1.37
16	G	1207	CLA	C4B-NB	3.03	1.41	1.37
16	B	1226	CLA	CMD-C2D	-3.03	1.44	1.50
16	B	1221	CLA	C1D-ND	3.03	1.41	1.37
16	k	1401	CLA	C1D-ND	3.03	1.41	1.37
16	B	1023	CLA	CMC-C2C	-3.03	1.44	1.50
19	i	4018	BCR	C1-C6	-3.03	1.49	1.53
16	B	1232	CLA	C4B-NB	3.03	1.41	1.37
16	a	1801	CLA	C1D-ND	3.03	1.41	1.37
16	x	516	CLA	C4B-NB	3.03	1.41	1.37
16	B	1021	CLA	C1D-ND	3.03	1.41	1.37
16	A	1103	CLA	C1D-ND	3.03	1.41	1.37
16	B	1224	CLA	C1D-ND	3.02	1.41	1.37
16	a	1131	CLA	C1D-ND	3.02	1.41	1.37
16	Y	503	CLA	C4B-NB	3.02	1.41	1.37
16	h	517	CLA	C4B-NB	3.02	1.41	1.37
19	s	601	BCR	C1-C6	-3.02	1.49	1.53
16	y	517	CLA	C4B-NB	3.02	1.41	1.37
16	Y	505	CLA	C4B-NB	3.02	1.41	1.37
19	w	604	BCR	C1-C6	-3.02	1.49	1.53
16	w	505	CLA	C4B-NB	3.02	1.41	1.37
16	H	1801	CLA	C1D-ND	3.02	1.41	1.37
16	x	503	CLA	C4B-NB	3.02	1.41	1.37
16	b	1023	CLA	CMC-C2C	-3.02	1.44	1.50
16	G	1226	CLA	CMD-C2D	-3.02	1.44	1.50
16	H	1103	CLA	C1D-ND	3.02	1.41	1.37
16	B	1207	CLA	C4B-NB	3.02	1.41	1.37
16	b	1205	CLA	C1D-ND	3.02	1.41	1.37
16	h	501	CLA	C4B-NB	3.01	1.41	1.37
16	H	1130	CLA	C1D-ND	3.01	1.41	1.37
16	b	1238	CLA	C1D-ND	3.01	1.41	1.37
16	v	514	CLA	C4B-NB	3.01	1.41	1.37
16	x	510	CLA	C4B-NB	3.01	1.41	1.37
16	u	503	CLA	C4B-NB	3.01	1.41	1.37
16	X	503	CLA	C4B-NB	3.01	1.41	1.37
19	q	604	BCR	C1-C6	-3.01	1.49	1.53
16	x	513	CLA	C4B-NB	3.01	1.41	1.37
16	B	1238	CLA	C1D-ND	3.01	1.41	1.37
16	r	503	CLA	C4B-NB	3.01	1.41	1.37
16	T	1401	CLA	C1D-ND	3.01	1.41	1.37
16	y	515	CLA	C4B-NB	3.00	1.41	1.37
19	p	601	BCR	C1-C6	-3.00	1.49	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	B	1202	CLA	C1D-ND	3.00	1.41	1.37
16	Y	513	CLA	C4B-NB	3.00	1.41	1.37
16	q	502	CLA	C4B-NB	3.00	1.41	1.37
16	q	513	CLA	C4B-NB	3.00	1.41	1.37
16	G	1205	CLA	C1D-ND	3.00	1.41	1.37
16	w	501	CLA	C4B-NB	3.00	1.41	1.37
16	t	515	CLA	C1D-ND	3.00	1.41	1.37
16	b	1221	CLA	C1D-ND	3.00	1.41	1.37
16	X	515	CLA	C1D-ND	3.00	1.41	1.37
16	s	501	CLA	C4B-NB	3.00	1.41	1.37
19	R	4018	BCR	C1-C6	-3.00	1.49	1.53
16	U	1502	CLA	C1D-ND	3.00	1.41	1.37
19	H	4003	BCR	C1-C6	-3.00	1.49	1.53
16	Z	508	CLA	C4B-NB	3.00	1.41	1.37
16	p	502	CLA	C4B-NB	3.00	1.41	1.37
19	r	601	BCR	C1-C6	-3.00	1.49	1.53
16	a	1126	CLA	C1D-ND	2.99	1.41	1.37
16	s	502	CLA	C4B-NB	2.99	1.41	1.37
16	g	516	CLA	C4B-NB	2.99	1.41	1.37
16	y	511	CLA	C4B-NB	2.99	1.41	1.37
16	o	515	CLA	C1D-ND	2.99	1.41	1.37
16	v	502	CLA	C4B-NB	2.99	1.41	1.37
16	H	1126	CLA	C1D-ND	2.99	1.41	1.37
19	g	601	BCR	C1-C6	-2.99	1.50	1.53
16	q	505	CLA	C4B-NB	2.99	1.41	1.37
16	H	1134	CLA	C4B-NB	2.99	1.41	1.37
16	s	516	CLA	C4B-NB	2.99	1.41	1.37
16	y	502	CLA	C4B-NB	2.99	1.41	1.37
16	h	515	CLA	C4B-NB	2.99	1.41	1.37
16	x	514	CLA	C4B-NB	2.99	1.41	1.37
16	s	503	CLA	C4B-NB	2.98	1.41	1.37
19	b	4005	BCR	C1-C6	-2.98	1.50	1.53
19	I	4018	BCR	C1-C6	-2.98	1.50	1.53
19	s	603	BCR	C30-C25	-2.98	1.50	1.53
16	p	516	CLA	C4B-NB	2.98	1.41	1.37
16	r	505	CLA	C4B-NB	2.98	1.41	1.37
16	r	516	CLA	C4B-NB	2.98	1.41	1.37
16	K	1401	CLA	C1D-ND	2.98	1.41	1.37
16	Z	513	CLA	C4B-NB	2.97	1.41	1.37
19	l	4022	BCR	C1-C6	-2.97	1.50	1.53
19	u	603	BCR	C1-C6	-2.97	1.50	1.53
16	y	505	CLA	C4B-NB	2.97	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	q	516	CLA	C4B-NB	2.97	1.41	1.37
16	G	1238	CLA	C1D-ND	2.97	1.41	1.37
16	Y	502	CLA	C4B-NB	2.97	1.41	1.37
19	Z	604	BCR	C1-C6	-2.97	1.50	1.53
19	U	4022	BCR	C1-C6	-2.97	1.50	1.53
16	b	1226	CLA	CMD-C2D	-2.97	1.44	1.50
16	h	511	CLA	C4B-NB	2.97	1.41	1.37
16	t	511	CLA	C4B-NB	2.97	1.41	1.37
16	A	1134	CLA	C4B-NB	2.97	1.41	1.37
16	W	503	CLA	C4B-NB	2.97	1.41	1.37
16	Z	514	CLA	C4B-NB	2.97	1.41	1.37
16	X	502	CLA	C1D-ND	2.97	1.41	1.37
16	n	513	CLA	C4B-NB	2.97	1.41	1.37
16	q	508	CLA	C4B-NB	2.97	1.41	1.37
19	G	4005	BCR	C1-C6	-2.97	1.50	1.53
16	W	504	CLA	C4B-NB	2.97	1.41	1.37
16	Z	505	CLA	C4B-NB	2.96	1.41	1.37
16	p	501	CLA	C4B-NB	2.96	1.41	1.37
16	g	514	CLA	C4B-NB	2.96	1.41	1.37
16	w	508	CLA	C4B-NB	2.96	1.41	1.37
19	Z	601	BCR	C1-C6	-2.96	1.50	1.53
16	p	507	CLA	C4B-NB	2.96	1.41	1.37
16	t	506	CLA	C4B-NB	2.96	1.41	1.37
19	L	4022	BCR	C1-C6	-2.96	1.50	1.53
16	l	1502	CLA	C1D-ND	2.96	1.41	1.37
16	r	513	CLA	C4B-NB	2.96	1.41	1.37
16	B	1225	CLA	CMD-C2D	-2.95	1.44	1.50
16	W	513	CLA	C4B-NB	2.95	1.41	1.37
19	Y	602	BCR	C1-C6	-2.95	1.50	1.53
16	g	513	CLA	C4B-NB	2.95	1.41	1.37
16	h	503	CLA	C4B-NB	2.95	1.41	1.37
19	a	4002	BCR	C30-C25	-2.95	1.50	1.53
16	o	503	CLA	C4B-NB	2.95	1.41	1.37
16	u	502	CLA	C4B-NB	2.95	1.41	1.37
16	r	501	CLA	C4B-NB	2.95	1.41	1.37
16	r	502	CLA	C4B-NB	2.95	1.41	1.37
19	q	601	BCR	C1-C6	-2.95	1.50	1.53
16	W	502	CLA	C4B-NB	2.95	1.41	1.37
19	o	603	BCR	C1-C6	-2.94	1.50	1.53
16	X	504	CLA	C4B-NB	2.94	1.41	1.37
16	a	1134	CLA	C4B-NB	2.94	1.41	1.37
16	v	503	CLA	C4B-NB	2.94	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	r	510	CLA	C4B-NB	2.94	1.41	1.37
16	s	507	CLA	C4B-NB	2.94	1.41	1.37
16	p	502	CLA	C1D-ND	2.94	1.41	1.37
16	b	1225	CLA	CMD-C2D	-2.94	1.44	1.50
16	x	508	CLA	C4B-NB	2.94	1.41	1.37
16	Y	501	CLA	C4B-NB	2.94	1.41	1.37
16	b	1217	CLA	C4B-NB	2.94	1.41	1.37
16	J	1302	CLA	C4B-NB	2.94	1.41	1.37
16	X	505	CLA	C4B-NB	2.94	1.41	1.37
16	o	516	CLA	C4B-NB	2.94	1.41	1.37
19	p	602	BCR	C1-C6	-2.94	1.50	1.53
16	G	1221	CLA	C1D-ND	2.93	1.41	1.37
19	A	4002	BCR	C30-C25	-2.93	1.50	1.53
19	W	601	BCR	C1-C6	-2.93	1.50	1.53
19	X	603	BCR	C1-C6	-2.93	1.50	1.53
16	Y	507	CLA	C4B-NB	2.93	1.41	1.37
16	n	516	CLA	C4B-NB	2.93	1.41	1.37
16	G	1225	CLA	CMD-C2D	-2.93	1.44	1.50
16	G	1217	CLA	C4B-NB	2.93	1.41	1.37
16	u	506	CLA	C4B-NB	2.93	1.41	1.37
16	x	502	CLA	C4B-NB	2.93	1.41	1.37
16	a	1402	CLA	C4B-NB	2.93	1.41	1.37
16	t	515	CLA	C4B-NB	2.93	1.41	1.37
16	W	516	CLA	C4B-NB	2.93	1.41	1.37
16	X	516	CLA	C4B-NB	2.92	1.41	1.37
19	r	604	BCR	C1-C6	-2.92	1.50	1.53
16	v	515	CLA	C4B-NB	2.92	1.41	1.37
16	y	503	CLA	C4B-NB	2.92	1.41	1.37
16	B	1239	CLA	C4B-NB	2.92	1.41	1.37
16	g	501	CLA	C4B-NB	2.92	1.41	1.37
19	w	601	BCR	C1-C6	-2.92	1.50	1.53
16	r	514	CLA	C4B-NB	2.92	1.41	1.37
16	x	501	CLA	C4B-NB	2.92	1.41	1.37
16	u	504	CLA	C4B-NB	2.92	1.41	1.37
16	X	506	CLA	C4B-NB	2.92	1.41	1.37
16	u	513	CLA	C4B-NB	2.92	1.41	1.37
16	x	511	CLA	C4B-NB	2.92	1.41	1.37
16	n	511	CLA	C4B-NB	2.92	1.41	1.37
16	w	514	CLA	C4B-NB	2.92	1.41	1.37
16	q	514	CLA	C4B-NB	2.91	1.41	1.37
16	o	506	CLA	C4B-NB	2.91	1.41	1.37
16	t	509	CLA	C4B-NB	2.91	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	r	517	CLA	C4B-NB	2.91	1.41	1.37
16	W	508	CLA	C4B-NB	2.91	1.41	1.37
16	t	501	CLA	C4B-NB	2.91	1.41	1.37
19	n	601	BCR	C1-C6	-2.91	1.50	1.53
19	G	4014	BCR	C30-C25	-2.91	1.50	1.53
16	G	1223	CLA	C4B-NB	2.91	1.41	1.37
16	g	504	CLA	C4B-NB	2.91	1.41	1.37
16	w	506	CLA	C4B-NB	2.91	1.41	1.37
16	X	501	CLA	C4B-NB	2.91	1.41	1.37
19	o	602	BCR	C1-C6	-2.91	1.50	1.53
16	Y	511	CLA	C4B-NB	2.91	1.41	1.37
16	o	504	CLA	C4B-NB	2.91	1.41	1.37
16	g	505	CLA	C4B-NB	2.90	1.41	1.37
16	n	508	CLA	C4B-NB	2.90	1.41	1.37
16	p	514	CLA	C4B-NB	2.90	1.41	1.37
16	G	1218	CLA	C4B-NB	2.90	1.41	1.37
16	t	517	CLA	C4B-NB	2.90	1.41	1.37
19	X	602	BCR	C1-C6	-2.90	1.50	1.53
16	Y	514	CLA	C4B-NB	2.90	1.41	1.37
16	u	505	CLA	C4B-NB	2.90	1.41	1.37
16	g	502	CLA	C4B-NB	2.90	1.41	1.37
16	o	507	CLA	C4B-NB	2.90	1.41	1.37
16	r	508	CLA	C4B-NB	2.90	1.41	1.37
16	W	509	CLA	C4B-NB	2.90	1.41	1.37
16	o	505	CLA	C4B-NB	2.90	1.41	1.37
16	B	1223	CLA	C4B-NB	2.90	1.41	1.37
16	n	501	CLA	C4B-NB	2.90	1.41	1.37
16	p	517	CLA	C4B-NB	2.90	1.41	1.37
16	H	1402	CLA	C4B-NB	2.90	1.41	1.37
16	t	516	CLA	C4B-NB	2.90	1.41	1.37
19	A	4003	BCR	C30-C25	-2.90	1.50	1.53
16	B	1231	CLA	C4B-NB	2.90	1.41	1.37
16	q	507	CLA	C4B-NB	2.90	1.41	1.37
16	u	516	CLA	C4B-NB	2.90	1.41	1.37
16	L	1502	CLA	C1D-ND	2.90	1.41	1.37
16	S	1302	CLA	C4B-NB	2.90	1.41	1.37
19	B	4014	BCR	C30-C25	-2.90	1.50	1.53
16	Z	503	CLA	C4B-NB	2.90	1.41	1.37
16	v	511	CLA	C4B-NB	2.90	1.41	1.37
16	X	502	CLA	C4B-NB	2.90	1.41	1.37
16	x	504	CLA	C4B-NB	2.90	1.41	1.37
16	y	506	CLA	C4B-NB	2.89	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	n	504	CLA	C4B-NB	2.89	1.41	1.37
19	h	604	BCR	C1-C6	-2.89	1.50	1.53
16	t	504	CLA	C4B-NB	2.89	1.41	1.37
19	b	4014	BCR	C30-C25	-2.89	1.50	1.53
16	W	514	CLA	C4B-NB	2.89	1.41	1.37
16	H	1114	CLA	C4B-NB	2.89	1.41	1.37
16	b	1239	CLA	C4B-NB	2.89	1.41	1.37
19	X	601	BCR	C30-C25	-2.89	1.50	1.53
19	p	604	BCR	C1-C6	-2.89	1.50	1.53
16	w	516	CLA	C4B-NB	2.89	1.41	1.37
16	x	505	CLA	C4B-NB	2.89	1.41	1.37
16	T	1401	CLA	C4B-NB	2.89	1.41	1.37
19	H	4002	BCR	C30-C25	-2.89	1.50	1.53
16	r	511	CLA	C4B-NB	2.89	1.41	1.37
16	Y	517	CLA	C4B-NB	2.89	1.41	1.37
19	p	603	BCR	C30-C25	-2.89	1.50	1.53
16	G	1216	CLA	C4B-NB	2.89	1.41	1.37
19	u	602	BCR	C1-C6	-2.89	1.50	1.53
16	o	501	CLA	C4B-NB	2.89	1.41	1.37
16	t	508	CLA	C4B-NB	2.89	1.41	1.37
16	s	504	CLA	C4B-NB	2.89	1.41	1.37
19	W	603	BCR	C1-C6	-2.89	1.50	1.53
16	b	1218	CLA	C4B-NB	2.89	1.41	1.37
16	n	512	CLA	C4B-NB	2.89	1.41	1.37
16	t	513	CLA	C4B-NB	2.89	1.41	1.37
19	g	603	BCR	C1-C6	-2.88	1.50	1.53
16	a	1114	CLA	C4B-NB	2.88	1.41	1.37
16	b	1225	CLA	C4B-NB	2.88	1.41	1.37
16	h	505	CLA	C4B-NB	2.88	1.41	1.37
16	t	503	CLA	C4B-NB	2.88	1.41	1.37
16	Z	507	CLA	C4B-NB	2.88	1.41	1.37
16	G	1225	CLA	C4B-NB	2.88	1.41	1.37
16	n	515	CLA	C4B-NB	2.88	1.41	1.37
16	b	1231	CLA	C4B-NB	2.88	1.41	1.37
16	H	1128	CLA	C1D-ND	2.88	1.41	1.37
16	G	1226	CLA	C1D-ND	2.88	1.41	1.37
19	v	601	BCR	C1-C6	-2.88	1.50	1.53
16	B	1218	CLA	C4B-NB	2.88	1.41	1.37
16	W	511	CLA	C4B-NB	2.88	1.41	1.37
19	s	602	BCR	C1-C6	-2.88	1.50	1.53
16	w	513	CLA	C4B-NB	2.88	1.41	1.37
16	B	1225	CLA	C4B-NB	2.88	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	Z	504	CLA	C4B-NB	2.88	1.41	1.37
16	n	506	CLA	C4B-NB	2.88	1.41	1.37
16	u	507	CLA	C4B-NB	2.88	1.41	1.37
19	b	4009	BCR	C1-C6	-2.88	1.50	1.53
19	k	1501	BCR	C30-C25	-2.87	1.50	1.53
16	n	517	CLA	C4B-NB	2.87	1.41	1.37
16	v	505	CLA	C4B-NB	2.87	1.41	1.37
19	t	603	BCR	C1-C6	-2.87	1.50	1.53
16	n	514	CLA	C4B-NB	2.87	1.41	1.37
19	Y	603	BCR	C1-C6	-2.87	1.50	1.53
16	A	1114	CLA	C4B-NB	2.87	1.41	1.37
16	W	512	CLA	C4B-NB	2.87	1.41	1.37
16	a	1128	CLA	C1D-ND	2.87	1.41	1.37
16	o	513	CLA	C4B-NB	2.87	1.41	1.37
16	h	507	CLA	C4B-NB	2.87	1.41	1.37
16	g	508	CLA	C4B-NB	2.87	1.41	1.37
16	b	1226	CLA	C1D-ND	2.87	1.41	1.37
16	X	513	CLA	C4B-NB	2.87	1.41	1.37
19	s	604	BCR	C1-C6	-2.87	1.50	1.53
16	B	1226	CLA	C1D-ND	2.87	1.41	1.37
16	G	1229	CLA	C4B-NB	2.87	1.41	1.37
16	G	1231	CLA	C4B-NB	2.87	1.41	1.37
19	s	603	BCR	C1-C6	-2.87	1.50	1.53
16	b	1220	CLA	C4B-NB	2.87	1.41	1.37
16	G	1201	CLA	C4B-NB	2.87	1.41	1.37
16	w	507	CLA	C4B-NB	2.87	1.41	1.37
19	a	4003	BCR	C30-C25	-2.87	1.50	1.53
16	s	517	CLA	C4B-NB	2.87	1.41	1.37
16	h	506	CLA	C4B-NB	2.87	1.41	1.37
16	B	1229	CLA	C4B-NB	2.87	1.41	1.37
16	n	502	CLA	C4B-NB	2.87	1.41	1.37
16	t	512	CLA	C4B-NB	2.87	1.41	1.37
16	r	504	CLA	C4B-NB	2.87	1.41	1.37
19	H	4003	BCR	C30-C25	-2.87	1.50	1.53
16	w	517	CLA	C4B-NB	2.86	1.41	1.37
16	g	511	CLA	C4B-NB	2.86	1.41	1.37
16	x	507	CLA	C4B-NB	2.86	1.41	1.37
16	s	511	CLA	C4B-NB	2.86	1.41	1.37
16	v	506	CLA	C4B-NB	2.86	1.41	1.37
19	r	603	BCR	C1-C6	-2.86	1.50	1.53
16	Y	516	CLA	C4B-NB	2.86	1.41	1.37
16	g	507	CLA	C4B-NB	2.86	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	j	1302	CLA	C4B-NB	2.86	1.41	1.37
16	B	1209	CLA	C4B-NB	2.86	1.41	1.37
16	G	1239	CLA	C4B-NB	2.86	1.41	1.37
16	b	1223	CLA	C4B-NB	2.86	1.41	1.37
16	x	509	CLA	C4B-NB	2.86	1.41	1.37
16	y	504	CLA	C4B-NB	2.86	1.41	1.37
16	g	517	CLA	C4B-NB	2.86	1.41	1.37
16	Y	501	CLA	C1B-C2B	2.86	1.49	1.43
19	T	1501	BCR	C30-C25	-2.86	1.50	1.53
16	B	1217	CLA	C4B-NB	2.86	1.41	1.37
16	A	1402	CLA	C4B-NB	2.85	1.41	1.37
16	Y	504	CLA	C4B-NB	2.85	1.41	1.37
16	g	510	CLA	C4B-NB	2.85	1.41	1.37
16	u	508	CLA	C4B-NB	2.85	1.41	1.37
16	X	507	CLA	C4B-NB	2.85	1.41	1.37
16	p	511	CLA	C4B-NB	2.85	1.41	1.37
16	x	517	CLA	C4B-NB	2.85	1.41	1.37
16	b	1209	CLA	C4B-NB	2.85	1.41	1.37
16	G	1209	CLA	C4B-NB	2.85	1.41	1.37
16	x	506	CLA	C4B-NB	2.85	1.41	1.37
19	G	4006	BCR	C30-C25	-2.85	1.50	1.53
19	K	1501	BCR	C30-C25	-2.85	1.50	1.53
16	A	1128	CLA	C1D-ND	2.85	1.41	1.37
16	W	506	CLA	C4B-NB	2.85	1.41	1.37
16	G	1221	CLA	C4B-NB	2.85	1.41	1.37
16	q	517	CLA	C4B-NB	2.85	1.41	1.37
16	W	517	CLA	C4B-NB	2.85	1.41	1.37
16	o	517	CLA	C4B-NB	2.85	1.41	1.37
16	A	1118	CLA	C4B-NB	2.85	1.41	1.37
19	b	4006	BCR	C30-C25	-2.85	1.50	1.53
16	A	1115	CLA	C4B-NB	2.85	1.41	1.37
16	r	507	CLA	C4B-NB	2.85	1.41	1.37
16	q	511	CLA	C4B-NB	2.85	1.41	1.37
16	t	514	CLA	C4B-NB	2.85	1.41	1.37
16	j	1303	CLA	C4B-NB	2.85	1.41	1.37
16	X	508	CLA	C4B-NB	2.84	1.41	1.37
16	Z	516	CLA	C4B-NB	2.84	1.41	1.37
19	B	4009	BCR	C1-C6	-2.84	1.50	1.53
19	t	601	BCR	C1-C6	-2.84	1.50	1.53
16	k	1401	CLA	C4B-NB	2.84	1.41	1.37
16	w	503	CLA	C4B-NB	2.84	1.41	1.37
16	Z	515	CLA	C4B-NB	2.84	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
19	X	604	BCR	C1-C6	-2.84	1.50	1.53
19	Y	604	BCR	C1-C6	-2.84	1.50	1.53
16	h	510	CLA	C4B-NB	2.84	1.41	1.37
16	u	501	CLA	C4B-NB	2.84	1.41	1.37
19	n	603	BCR	C1-C6	-2.84	1.50	1.53
19	h	601	BCR	C1-C6	-2.84	1.50	1.53
16	g	509	CLA	C4B-NB	2.84	1.41	1.37
16	o	502	CLA	C4B-NB	2.84	1.41	1.37
16	q	504	CLA	C4B-NB	2.84	1.41	1.37
16	n	515	CLA	CMD-C2D	-2.83	1.45	1.50
16	G	1214	CLA	C4B-NB	2.83	1.41	1.37
16	b	1216	CLA	C4B-NB	2.83	1.41	1.37
16	w	511	CLA	C4B-NB	2.83	1.41	1.37
16	x	512	CLA	C4B-NB	2.83	1.41	1.37
16	v	512	CLA	C4B-NB	2.83	1.41	1.37
16	J	1303	CLA	C4B-NB	2.83	1.41	1.37
16	p	504	CLA	C4B-NB	2.83	1.41	1.37
16	S	1303	CLA	C4B-NB	2.83	1.41	1.37
19	A	4011	BCR	C1-C6	-2.83	1.50	1.53
16	u	517	CLA	C4B-NB	2.83	1.41	1.37
16	n	503	CLA	C4B-NB	2.83	1.41	1.37
16	A	1128	CLA	C4B-NB	2.83	1.41	1.37
16	Z	506	CLA	C4B-NB	2.83	1.41	1.37
16	v	507	CLA	C4B-NB	2.83	1.41	1.37
16	G	1220	CLA	C4B-NB	2.83	1.41	1.37
19	G	4009	BCR	C1-C6	-2.82	1.50	1.53
16	F	1301	CLA	C4B-NB	2.82	1.41	1.37
16	Y	508	CLA	C4B-NB	2.82	1.41	1.37
16	y	510	CLA	C4B-NB	2.82	1.41	1.37
16	b	1203	CLA	C4B-NB	2.82	1.41	1.37
19	x	604	BCR	C1-C6	-2.82	1.50	1.53
19	B	4006	BCR	C30-C25	-2.82	1.50	1.53
16	g	506	CLA	C1B-C2B	2.82	1.49	1.43
16	B	1220	CLA	C4B-NB	2.82	1.41	1.37
16	W	515	CLA	C4B-NB	2.82	1.41	1.37
16	q	506	CLA	C4B-NB	2.82	1.41	1.37
16	q	515	CLA	C4B-NB	2.82	1.41	1.37
16	H	1013	CLA	CMD-C2D	-2.82	1.45	1.50
16	Z	507	CLA	C1B-C2B	2.81	1.49	1.43
16	A	1801	CLA	C4B-NB	2.81	1.41	1.37
16	a	1118	CLA	C4B-NB	2.81	1.41	1.37
16	n	509	CLA	C4B-NB	2.81	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
19	g	604	BCR	C1-C6	-2.81	1.50	1.53
16	s	514	CLA	C4B-NB	2.81	1.41	1.37
16	A	1109	CLA	C4B-NB	2.81	1.41	1.37
16	G	1219	CLA	C4B-NB	2.81	1.41	1.37
19	y	601	BCR	C1-C6	-2.81	1.50	1.53
19	H	4008	BCR	C30-C25	-2.81	1.50	1.53
16	u	515	CLA	C4B-NB	2.81	1.41	1.37
16	A	1120	CLA	C4B-NB	2.81	1.41	1.37
16	B	1216	CLA	C4B-NB	2.81	1.41	1.37
16	K	1401	CLA	C4B-NB	2.81	1.41	1.37
16	y	507	CLA	C4B-NB	2.80	1.41	1.37
16	y	512	CLA	C4B-NB	2.80	1.41	1.37
16	q	510	CLA	C4B-NB	2.80	1.41	1.37
19	y	603	BCR	C30-C25	-2.80	1.50	1.53
16	s	508	CLA	C4B-NB	2.80	1.41	1.37
16	b	1229	CLA	C4B-NB	2.80	1.41	1.37
16	q	502	CLA	C1D-ND	2.80	1.41	1.37
16	h	509	CLA	C4B-NB	2.80	1.41	1.37
16	b	1201	CLA	C4B-NB	2.80	1.41	1.37
16	G	1211	CLA	C4B-NB	2.80	1.41	1.37
16	p	508	CLA	C4B-NB	2.80	1.41	1.37
16	W	515	CLA	CMD-C2D	-2.80	1.45	1.50
19	u	604	BCR	C1-C6	-2.80	1.50	1.53
19	x	603	BCR	C1-C6	-2.80	1.50	1.53
16	r	512	CLA	C4B-NB	2.80	1.41	1.37
16	a	1013	CLA	CMD-C2D	-2.80	1.45	1.50
16	n	505	CLA	C1B-C2B	2.80	1.49	1.43
16	a	1115	CLA	C4B-NB	2.80	1.41	1.37
16	B	1221	CLA	C4B-NB	2.80	1.41	1.37
19	p	603	BCR	C1-C6	-2.80	1.50	1.53
16	W	501	CLA	C4B-NB	2.80	1.41	1.37
16	a	1139	CLA	C4B-NB	2.80	1.41	1.37
16	h	512	CLA	C4B-NB	2.80	1.41	1.37
16	H	1139	CLA	C4B-NB	2.80	1.41	1.37
16	p	501	CLA	C1B-C2B	2.80	1.49	1.43
16	A	1104	CLA	C4B-NB	2.79	1.41	1.37
16	B	1201	CLA	C4B-NB	2.79	1.41	1.37
16	q	503	CLA	C4B-NB	2.79	1.41	1.37
16	Z	509	CLA	C4B-NB	2.79	1.41	1.37
16	b	1219	CLA	C4B-NB	2.79	1.41	1.37
16	H	1119	CLA	C4B-NB	2.79	1.41	1.37
16	Z	502	CLA	C3B-C4B	2.79	1.50	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	t	502	CLA	C4B-NB	2.79	1.41	1.37
16	t	505	CLA	C1B-C2B	2.79	1.49	1.43
16	a	1128	CLA	C4B-NB	2.79	1.41	1.37
16	h	504	CLA	C4B-NB	2.79	1.41	1.37
16	r	509	CLA	C4B-NB	2.79	1.41	1.37
16	H	1110	CLA	C4B-NB	2.79	1.41	1.37
16	W	505	CLA	C1B-C2B	2.79	1.49	1.43
16	H	1115	CLA	C4B-NB	2.78	1.41	1.37
16	Z	517	CLA	C4B-NB	2.78	1.41	1.37
16	t	506	CLA	C1B-C2B	2.78	1.49	1.43
19	H	4011	BCR	C30-C25	-2.78	1.50	1.53
16	g	515	CLA	C4B-NB	2.78	1.41	1.37
16	A	1128	CLA	C1B-NB	-2.78	1.34	1.37
16	B	1208	CLA	C4B-NB	2.78	1.41	1.37
16	s	501	CLA	C1B-C2B	2.78	1.49	1.43
15	a	1011	CL0	CMD-C2D	-2.78	1.45	1.50
16	a	1110	CLA	C4B-NB	2.78	1.41	1.37
16	b	1213	CLA	C4B-NB	2.78	1.41	1.37
16	H	1801	CLA	C4B-NB	2.78	1.41	1.37
16	G	1208	CLA	C4B-NB	2.78	1.41	1.37
16	H	1109	CLA	C4B-NB	2.78	1.41	1.37
16	G	1203	CLA	C4B-NB	2.78	1.41	1.37
19	o	604	BCR	C1-C6	-2.78	1.50	1.53
16	s	503	CLA	C1B-C2B	2.78	1.49	1.43
15	A	1011	CL0	CMD-C2D	-2.78	1.45	1.50
16	A	1126	CLA	C4B-NB	2.78	1.41	1.37
16	f	1301	CLA	C4B-NB	2.78	1.41	1.37
19	X	603	BCR	C30-C25	-2.78	1.50	1.53
16	X	515	CLA	C4B-NB	2.78	1.41	1.37
16	H	1022	CLA	CMB-C2B	-2.78	1.45	1.50
16	n	514	CLA	C1B-C2B	2.77	1.49	1.43
16	r	506	CLA	C1B-C2B	2.77	1.49	1.43
16	a	1104	CLA	C4B-NB	2.77	1.41	1.37
16	w	509	CLA	C4B-NB	2.77	1.41	1.37
16	n	503	CLA	C1B-C2B	2.77	1.49	1.43
16	a	1121	CLA	C4B-NB	2.77	1.41	1.37
16	w	504	CLA	C4B-NB	2.77	1.41	1.37
16	a	1120	CLA	C4B-NB	2.77	1.41	1.37
16	B	1206	CLA	CMB-C2B	-2.77	1.45	1.50
16	a	1801	CLA	C4B-NB	2.77	1.41	1.37
16	b	1227	CLA	C4B-NB	2.77	1.41	1.37
16	H	1128	CLA	C4B-NB	2.77	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	A	1022	CLA	MG-NB	-2.77	2.00	2.05
16	G	1204	CLA	C1D-ND	2.77	1.41	1.37
16	A	1022	CLA	CMB-C2B	-2.77	1.45	1.50
16	H	1104	CLA	C4B-NB	2.77	1.41	1.37
16	v	504	CLA	C4B-NB	2.77	1.41	1.37
16	s	505	CLA	C1B-C2B	2.77	1.49	1.43
16	y	514	CLA	C1B-C2B	2.77	1.49	1.43
16	H	1022	CLA	MG-NB	-2.77	2.00	2.05
16	q	509	CLA	C4B-NB	2.77	1.41	1.37
16	u	511	CLA	C4B-NB	2.77	1.41	1.37
16	B	1213	CLA	C4B-NB	2.77	1.41	1.37
16	X	511	CLA	C4B-NB	2.77	1.41	1.37
16	n	506	CLA	C1B-C2B	2.77	1.49	1.43
15	H	1011	CL0	CMD-C2D	-2.77	1.45	1.50
16	X	517	CLA	C4B-NB	2.77	1.41	1.37
16	H	1102	CLA	C4B-NB	2.77	1.41	1.37
16	w	515	CLA	C4B-NB	2.77	1.41	1.37
16	y	513	CLA	C1B-C2B	2.77	1.49	1.43
16	G	1227	CLA	C4B-NB	2.77	1.41	1.37
19	A	4001	BCR	C30-C25	-2.77	1.50	1.53
16	a	1109	CLA	C4B-NB	2.76	1.41	1.37
19	a	4008	BCR	C30-C25	-2.76	1.50	1.53
16	b	1206	CLA	CMB-C2B	-2.76	1.45	1.50
16	A	1121	CLA	C4B-NB	2.76	1.41	1.37
16	s	512	CLA	C4B-NB	2.76	1.41	1.37
19	J	4012	BCR	C30-C25	-2.76	1.50	1.53
16	A	1123	CLA	C4B-NB	2.76	1.41	1.37
16	A	1013	CLA	CMD-C2D	-2.76	1.45	1.50
16	A	1127	CLA	C1D-ND	2.76	1.41	1.37
16	b	1208	CLA	C4B-NB	2.76	1.41	1.37
16	b	1238	CLA	C4B-NB	2.76	1.41	1.37
19	a	4011	BCR	C1-C6	-2.76	1.50	1.53
19	H	4001	BCR	C30-C25	-2.76	1.50	1.53
16	p	510	CLA	C1B-C2B	2.76	1.49	1.43
16	A	1102	CLA	C4B-NB	2.76	1.41	1.37
16	B	1219	CLA	C4B-NB	2.76	1.41	1.37
16	Y	503	CLA	C1B-C2B	2.76	1.49	1.43
19	b	4009	BCR	C30-C25	-2.76	1.50	1.53
16	A	1139	CLA	C4B-NB	2.76	1.41	1.37
16	o	508	CLA	C4B-NB	2.76	1.41	1.37
16	t	515	CLA	CMD-C2D	-2.75	1.45	1.50
16	x	501	CLA	C1B-C2B	2.75	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	a	1128	CLA	C1B-NB	-2.75	1.34	1.37
16	W	503	CLA	C1B-C2B	2.75	1.49	1.43
16	h	505	CLA	C1B-C2B	2.75	1.49	1.43
16	b	1221	CLA	C4B-NB	2.75	1.41	1.37
16	Q	1301	CLA	C4B-NB	2.75	1.41	1.37
16	v	510	CLA	C4B-NB	2.75	1.41	1.37
19	A	4008	BCR	C30-C25	-2.75	1.50	1.53
16	Z	515	CLA	C1B-C2B	2.75	1.49	1.43
16	Z	511	CLA	C4B-NB	2.75	1.41	1.37
16	o	512	CLA	C4B-NB	2.75	1.41	1.37
16	B	1203	CLA	C4B-NB	2.75	1.41	1.37
16	p	503	CLA	C1B-C2B	2.75	1.49	1.43
19	H	4011	BCR	C1-C6	-2.75	1.50	1.53
16	W	514	CLA	C1B-C2B	2.75	1.49	1.43
16	t	510	CLA	C1B-C2B	2.75	1.49	1.43
16	H	1120	CLA	C4B-NB	2.75	1.41	1.37
16	y	503	CLA	C1B-C2B	2.75	1.49	1.43
19	S	4012	BCR	C30-C25	-2.75	1.50	1.53
16	o	511	CLA	C4B-NB	2.75	1.41	1.37
16	a	1022	CLA	MG-NB	-2.75	2.00	2.05
16	G	1206	CLA	CMB-C2B	-2.75	1.45	1.50
16	Y	512	CLA	C4B-NB	2.75	1.41	1.37
16	t	503	CLA	C1B-C2B	2.75	1.49	1.43
16	w	507	CLA	C1B-C2B	2.75	1.49	1.43
16	G	1238	CLA	C4B-NB	2.74	1.41	1.37
16	g	512	CLA	C4B-NB	2.74	1.41	1.37
16	H	1118	CLA	C4B-NB	2.74	1.41	1.37
16	x	512	CLA	C1B-C2B	2.74	1.49	1.43
16	g	503	CLA	C1B-C2B	2.74	1.49	1.43
16	A	1119	CLA	C4B-NB	2.74	1.41	1.37
16	G	1228	CLA	C4B-NB	2.74	1.41	1.37
16	Y	515	CLA	C4B-NB	2.74	1.41	1.37
16	a	1102	CLA	C4B-NB	2.74	1.41	1.37
16	y	501	CLA	C1B-C2B	2.74	1.49	1.43
16	B	1211	CLA	C4B-NB	2.74	1.41	1.37
16	p	505	CLA	C1B-C2B	2.74	1.49	1.43
16	u	503	CLA	C1B-C2B	2.74	1.49	1.43
16	B	1204	CLA	C1D-ND	2.74	1.41	1.37
16	b	1214	CLA	C4B-NB	2.74	1.41	1.37
16	H	1121	CLA	C4B-NB	2.74	1.41	1.37
16	X	503	CLA	C1B-C2B	2.74	1.49	1.43
16	w	502	CLA	C1D-ND	2.74	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	Z	512	CLA	C4B-NB	2.74	1.41	1.37
16	b	1211	CLA	C4B-NB	2.74	1.41	1.37
19	G	4009	BCR	C30-C25	-2.74	1.50	1.53
16	o	503	CLA	C1B-C2B	2.74	1.49	1.43
16	B	1228	CLA	C4B-NB	2.73	1.41	1.37
16	a	1126	CLA	C4B-NB	2.73	1.41	1.37
16	o	509	CLA	C4B-NB	2.73	1.41	1.37
19	B	4010	BCR	C30-C25	-2.73	1.50	1.53
16	x	503	CLA	C1B-C2B	2.73	1.49	1.43
16	a	1022	CLA	CMB-C2B	-2.73	1.45	1.50
16	y	505	CLA	C1B-C2B	2.73	1.49	1.43
16	X	501	CLA	C1B-C2B	2.73	1.49	1.43
16	Z	510	CLA	C1B-C2B	2.73	1.49	1.43
16	q	505	CLA	C1B-C2B	2.73	1.49	1.43
16	b	1228	CLA	C4B-NB	2.73	1.41	1.37
16	h	503	CLA	C1B-C2B	2.73	1.49	1.43
16	o	501	CLA	C1B-C2B	2.73	1.49	1.43
16	q	512	CLA	C4B-NB	2.73	1.41	1.37
16	w	510	CLA	C4B-NB	2.73	1.41	1.37
16	r	503	CLA	C1B-C2B	2.73	1.49	1.43
16	o	515	CLA	C4B-NB	2.73	1.41	1.37
16	G	1213	CLA	C4B-NB	2.73	1.41	1.37
16	a	1123	CLA	C4B-NB	2.73	1.41	1.37
16	t	514	CLA	C1B-C2B	2.73	1.49	1.43
16	a	1133	CLA	C4B-NB	2.72	1.41	1.37
16	b	1204	CLA	C1D-ND	2.72	1.41	1.37
16	Y	507	CLA	C1B-C2B	2.72	1.49	1.43
16	B	1238	CLA	C4B-NB	2.72	1.41	1.37
16	a	1129	CLA	C4B-NB	2.72	1.41	1.37
16	r	506	CLA	C4B-NB	2.72	1.41	1.37
19	y	604	BCR	C1-C6	-2.72	1.50	1.53
16	H	1123	CLA	C4B-NB	2.72	1.41	1.37
16	s	506	CLA	C4B-NB	2.72	1.41	1.37
16	t	502	CLA	C1B-C2B	2.72	1.49	1.43
16	a	1136	CLA	C4B-NB	2.72	1.41	1.37
16	B	1227	CLA	C4B-NB	2.72	1.41	1.37
19	j	4012	BCR	C30-C25	-2.72	1.50	1.53
16	G	1012	CLA	C4B-NB	2.72	1.41	1.37
16	w	505	CLA	C1B-C2B	2.72	1.49	1.43
16	x	515	CLA	C4B-NB	2.72	1.41	1.37
16	X	505	CLA	C1B-C2B	2.72	1.49	1.43
16	p	512	CLA	C4B-NB	2.72	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	u	504	CLA	C1B-C2B	2.72	1.49	1.43
16	s	510	CLA	C1B-C2B	2.72	1.49	1.43
16	x	506	CLA	C1B-C2B	2.72	1.49	1.43
16	H	1127	CLA	C1D-ND	2.72	1.41	1.37
16	H	1129	CLA	C4B-NB	2.72	1.41	1.37
19	Y	603	BCR	C30-C25	-2.72	1.50	1.53
16	A	1133	CLA	C4B-NB	2.71	1.41	1.37
16	v	513	CLA	C1B-C2B	2.71	1.49	1.43
16	q	515	CLA	C1B-C2B	2.71	1.49	1.43
16	h	501	CLA	C1B-C2B	2.71	1.49	1.43
16	Z	501	CLA	C1B-C2B	2.71	1.49	1.43
16	H	1126	CLA	C4B-NB	2.71	1.41	1.37
16	p	507	CLA	C1B-C2B	2.71	1.49	1.43
16	u	506	CLA	C1B-C2B	2.71	1.49	1.43
19	a	4001	BCR	C30-C25	-2.71	1.50	1.53
16	B	1226	CLA	C4B-NB	2.71	1.41	1.37
16	a	1127	CLA	C1D-ND	2.71	1.41	1.37
16	p	509	CLA	C4B-NB	2.71	1.41	1.37
16	g	510	CLA	C1B-C2B	2.71	1.49	1.43
16	y	509	CLA	C4B-NB	2.71	1.41	1.37
16	p	513	CLA	C1B-C2B	2.71	1.49	1.43
16	Z	513	CLA	C1B-C2B	2.71	1.49	1.43
16	u	505	CLA	C1B-C2B	2.71	1.49	1.43
16	s	515	CLA	C4B-NB	2.71	1.41	1.37
16	q	507	CLA	C1B-C2B	2.71	1.49	1.43
16	v	501	CLA	C1B-C2B	2.71	1.49	1.43
16	H	1105	CLA	C4B-NB	2.71	1.41	1.37
16	G	1218	CLA	C1B-C2B	2.71	1.49	1.43
16	t	513	CLA	C1B-C2B	2.71	1.49	1.43
16	v	515	CLA	C1B-C2B	2.70	1.49	1.43
16	A	1013	CLA	MG-NB	-2.70	2.00	2.05
16	w	513	CLA	C1B-C2B	2.70	1.49	1.43
15	H	1011	CL0	C4B-NB	2.70	1.41	1.37
16	A	1110	CLA	C4B-NB	2.70	1.41	1.37
16	X	512	CLA	C4B-NB	2.70	1.41	1.37
16	b	1218	CLA	C1B-C2B	2.70	1.49	1.43
16	o	504	CLA	C1B-C2B	2.70	1.49	1.43
16	a	1119	CLA	C4B-NB	2.70	1.41	1.37
16	b	1012	CLA	C4B-NB	2.70	1.41	1.37
19	B	4009	BCR	C30-C25	-2.70	1.50	1.53
16	s	504	CLA	C1B-C2B	2.70	1.49	1.43
16	o	514	CLA	C1B-C2B	2.70	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	H	1133	CLA	C4B-NB	2.70	1.41	1.37
16	v	509	CLA	C4B-NB	2.70	1.41	1.37
16	A	1113	CLA	C4B-NB	2.70	1.41	1.37
16	t	507	CLA	C1B-C2B	2.70	1.49	1.43
16	u	509	CLA	C4B-NB	2.70	1.41	1.37
16	Q	1302	CLA	CAD-C3D	-2.70	1.45	1.50
16	X	514	CLA	C1B-C2B	2.70	1.49	1.43
16	a	1237	CLA	CMC-C2C	-2.70	1.45	1.50
16	H	1122	CLA	C4B-NB	2.69	1.41	1.37
16	h	513	CLA	C1B-C2B	2.69	1.49	1.43
16	B	1214	CLA	C4B-NB	2.69	1.41	1.37
16	F	1302	CLA	CAD-C3D	-2.69	1.45	1.50
16	A	1108	CLA	C4B-NB	2.69	1.41	1.37
16	Z	510	CLA	C4B-NB	2.69	1.41	1.37
16	r	515	CLA	C4B-NB	2.69	1.41	1.37
19	G	4010	BCR	C30-C25	-2.69	1.50	1.53
19	j	4013	BCR	C30-C25	-2.69	1.50	1.53
16	n	512	CLA	C1B-C2B	2.69	1.49	1.43
16	q	510	CLA	C1B-C2B	2.69	1.49	1.43
16	A	1129	CLA	C4B-NB	2.69	1.41	1.37
16	A	1127	CLA	CMD-C2D	-2.69	1.45	1.50
16	q	512	CLA	C1B-C2B	2.69	1.49	1.43
16	U	1501	CLA	C4B-NB	2.69	1.41	1.37
19	h	603	BCR	C30-C25	-2.69	1.50	1.53
16	B	1219	CLA	C1B-C2B	2.69	1.49	1.43
16	Z	502	CLA	C1D-ND	2.69	1.41	1.37
16	a	1108	CLA	C4B-NB	2.69	1.41	1.37
16	a	1107	CLA	CMD-C2D	-2.69	1.45	1.50
16	B	1012	CLA	C4B-NB	2.69	1.41	1.37
16	a	1122	CLA	C4B-NB	2.69	1.41	1.37
16	o	515	CLA	C1B-C2B	2.69	1.49	1.43
16	u	501	CLA	C1B-C2B	2.69	1.49	1.43
15	A	1011	CL0	C4B-NB	2.69	1.41	1.37
16	w	512	CLA	C4B-NB	2.69	1.41	1.37
16	v	503	CLA	C1B-C2B	2.69	1.49	1.43
16	A	1237	CLA	CMC-C2C	-2.69	1.45	1.50
16	q	501	CLA	C1B-C2B	2.69	1.49	1.43
16	H	1103	CLA	C4B-NB	2.69	1.41	1.37
16	w	501	CLA	C1B-C2B	2.69	1.49	1.43
16	H	1013	CLA	MG-NB	-2.69	2.00	2.05
16	r	505	CLA	C1B-C2B	2.69	1.49	1.43
16	h	512	CLA	C1B-C2B	2.69	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	x	502	CLA	C1B-C2B	2.69	1.49	1.43
16	B	1225	CLA	CMB-C2B	-2.69	1.45	1.50
19	A	4011	BCR	C30-C25	-2.68	1.50	1.53
16	r	512	CLA	C1B-C2B	2.68	1.49	1.43
16	s	507	CLA	C1B-C2B	2.68	1.49	1.43
15	a	1011	CL0	C4B-NB	2.68	1.41	1.37
16	Y	506	CLA	C4B-NB	2.68	1.41	1.37
16	p	506	CLA	C4B-NB	2.68	1.41	1.37
16	h	515	CLA	C1B-C2B	2.68	1.49	1.43
19	p	601	BCR	C30-C25	-2.68	1.50	1.53
16	p	504	CLA	C1B-C2B	2.68	1.49	1.43
16	y	506	CLA	C1B-C2B	2.68	1.49	1.43
16	t	512	CLA	C1B-C2B	2.68	1.49	1.43
16	b	1226	CLA	C4B-NB	2.68	1.41	1.37
16	H	1237	CLA	CMC-C2C	-2.68	1.45	1.50
16	y	517	CLA	C1B-C2B	2.68	1.49	1.43
16	v	514	CLA	C1B-C2B	2.68	1.49	1.43
16	u	512	CLA	C4B-NB	2.68	1.41	1.37
16	v	504	CLA	C1B-C2B	2.68	1.49	1.43
16	b	1012	CLA	C1D-ND	2.68	1.41	1.37
16	X	515	CLA	C1B-C2B	2.68	1.49	1.43
16	A	1112	CLA	C4B-NB	2.68	1.41	1.37
16	Z	512	CLA	C1B-C2B	2.68	1.49	1.43
16	n	501	CLA	C1B-C2B	2.68	1.49	1.43
16	B	1230	CLA	C1B-C2B	2.68	1.49	1.43
16	Z	503	CLA	C1B-C2B	2.68	1.49	1.43
16	a	1013	CLA	MG-NB	-2.68	2.00	2.05
16	A	1107	CLA	CMD-C2D	-2.68	1.45	1.50
16	H	1108	CLA	C4B-NB	2.67	1.41	1.37
16	A	1103	CLA	C4B-NB	2.67	1.41	1.37
16	H	1136	CLA	C4B-NB	2.67	1.41	1.37
16	G	1012	CLA	C1D-ND	2.67	1.41	1.37
16	r	513	CLA	C1B-C2B	2.67	1.49	1.43
16	b	1219	CLA	C1B-C2B	2.67	1.49	1.43
16	b	1230	CLA	C1B-C2B	2.67	1.49	1.43
16	h	514	CLA	C1B-C2B	2.67	1.49	1.43
16	u	514	CLA	C1B-C2B	2.67	1.49	1.43
16	H	1140	CLA	C4B-NB	2.67	1.41	1.37
16	o	508	CLA	C1B-C2B	2.67	1.49	1.43
16	q	513	CLA	C1B-C2B	2.67	1.49	1.43
16	g	501	CLA	C1B-C2B	2.67	1.49	1.43
16	A	1117	CLA	C4B-NB	2.67	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	a	1103	CLA	C4B-NB	2.67	1.41	1.37
16	H	1128	CLA	C1B-NB	-2.67	1.34	1.37
16	G	1226	CLA	C4B-NB	2.67	1.41	1.37
16	a	1127	CLA	CMD-C2D	-2.67	1.45	1.50
16	H	1113	CLA	C4B-NB	2.67	1.41	1.37
16	o	506	CLA	C1B-C2B	2.67	1.49	1.43
16	r	501	CLA	C1B-C2B	2.67	1.49	1.43
16	t	508	CLA	C1B-C2B	2.67	1.49	1.43
16	X	513	CLA	C1B-C2B	2.67	1.49	1.43
16	g	502	CLA	C1B-C2B	2.67	1.49	1.43
16	G	1203	CLA	C1B-C2B	2.67	1.49	1.43
16	v	517	CLA	C1B-C2B	2.67	1.49	1.43
16	p	515	CLA	C4B-NB	2.67	1.41	1.37
16	h	504	CLA	C1B-C2B	2.67	1.49	1.43
16	g	512	CLA	C1B-C2B	2.67	1.49	1.43
16	s	513	CLA	C1B-C2B	2.67	1.49	1.43
16	g	505	CLA	C1B-C2B	2.67	1.49	1.43
19	a	4011	BCR	C30-C25	-2.67	1.50	1.53
16	Y	512	CLA	C1B-C2B	2.67	1.49	1.43
16	n	516	CLA	C1B-C2B	2.67	1.49	1.43
16	u	515	CLA	C1B-C2B	2.66	1.49	1.43
16	H	1128	CLA	MG-NB	-2.66	2.00	2.05
16	Y	506	CLA	CMB-C2B	-2.66	1.45	1.50
16	b	1208	CLA	C1B-C2B	2.66	1.49	1.43
16	n	507	CLA	C1B-C2B	2.66	1.49	1.43
16	x	508	CLA	C1B-C2B	2.66	1.49	1.43
16	a	1117	CLA	C4B-NB	2.66	1.41	1.37
16	L	1501	CLA	C4B-NB	2.66	1.41	1.37
16	G	1217	CLA	C1B-C2B	2.66	1.49	1.43
19	b	4010	BCR	C30-C25	-2.66	1.50	1.53
16	A	1237	CLA	CMB-C2B	-2.66	1.45	1.50
16	a	1121	CLA	C1B-C2B	2.66	1.49	1.43
16	q	508	CLA	C1B-C2B	2.66	1.49	1.43
16	f	1302	CLA	CAD-C3D	-2.66	1.45	1.50
16	Y	513	CLA	C1B-C2B	2.66	1.49	1.43
16	g	513	CLA	C1B-C2B	2.66	1.49	1.43
16	A	1140	CLA	C4B-NB	2.66	1.41	1.37
16	l	1501	CLA	C4B-NB	2.66	1.41	1.37
16	Y	504	CLA	C1B-C2B	2.66	1.49	1.43
16	H	1107	CLA	CMD-C2D	-2.66	1.45	1.50
16	B	1218	CLA	C1B-C2B	2.66	1.49	1.43
16	t	516	CLA	C1B-C2B	2.66	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	W	506	CLA	C1B-C2B	2.66	1.49	1.43
16	L	1503	CLA	C4B-NB	2.66	1.41	1.37
16	o	505	CLA	C1B-C2B	2.66	1.49	1.43
16	r	510	CLA	C1B-C2B	2.66	1.49	1.43
16	A	1101	CLA	C4B-NB	2.66	1.41	1.37
16	A	1136	CLA	C4B-NB	2.66	1.41	1.37
16	w	515	CLA	C1B-C2B	2.66	1.49	1.43
16	v	506	CLA	C1B-C2B	2.66	1.49	1.43
16	W	513	CLA	C1B-C2B	2.66	1.49	1.43
16	q	503	CLA	C1B-C2B	2.66	1.49	1.43
16	G	1219	CLA	C1B-C2B	2.66	1.49	1.43
16	b	1225	CLA	CMB-C2B	-2.66	1.45	1.50
16	G	1214	CLA	CMB-C2B	-2.66	1.45	1.50
16	Z	505	CLA	C1B-C2B	2.66	1.49	1.43
16	k	1401	CLA	C1B-C2B	2.65	1.49	1.43
16	K	1401	CLA	C1B-C2B	2.65	1.49	1.43
16	H	1103	CLA	C1B-C2B	2.65	1.49	1.43
16	h	517	CLA	C1B-C2B	2.65	1.49	1.43
16	s	509	CLA	C4B-NB	2.65	1.41	1.37
16	v	505	CLA	C1B-C2B	2.65	1.49	1.43
16	H	1127	CLA	CMD-C2D	-2.65	1.45	1.50
16	A	1108	CLA	C1B-C2B	2.65	1.49	1.43
16	p	514	CLA	C1B-C2B	2.65	1.49	1.43
16	x	505	CLA	C1B-C2B	2.65	1.49	1.43
16	x	513	CLA	C1B-C2B	2.65	1.49	1.43
16	g	504	CLA	C1B-C2B	2.65	1.49	1.43
16	y	502	CLA	C1B-C2B	2.65	1.49	1.43
16	r	502	CLA	C1B-C2B	2.65	1.49	1.43
16	L	1502	CLA	C4B-NB	2.65	1.41	1.37
16	a	1124	CLA	C4B-NB	2.65	1.41	1.37
16	H	1101	CLA	C4B-NB	2.65	1.41	1.37
16	v	508	CLA	C1B-C2B	2.65	1.49	1.43
16	Y	510	CLA	C4B-NB	2.65	1.41	1.37
16	G	1236	CLA	C4B-NB	2.65	1.41	1.37
16	A	1121	CLA	C1B-C2B	2.65	1.49	1.43
19	S	4013	BCR	C30-C25	-2.65	1.50	1.53
16	h	506	CLA	C1B-C2B	2.65	1.49	1.43
16	g	514	CLA	C1B-C2B	2.65	1.49	1.43
16	r	504	CLA	C1B-C2B	2.65	1.49	1.43
16	h	508	CLA	C1B-C2B	2.65	1.49	1.43
16	X	509	CLA	C4B-NB	2.65	1.41	1.37
16	W	501	CLA	C1B-C2B	2.65	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	a	1140	CLA	C4B-NB	2.65	1.41	1.37
16	x	515	CLA	C1B-C2B	2.65	1.49	1.43
16	W	512	CLA	C1B-C2B	2.65	1.49	1.43
19	v	603	BCR	C30-C25	-2.65	1.50	1.53
16	w	504	CLA	C1B-C2B	2.64	1.49	1.43
16	A	1128	CLA	MG-NB	-2.64	2.00	2.05
16	A	1105	CLA	C4B-NB	2.64	1.41	1.37
16	b	1236	CLA	C4B-NB	2.64	1.41	1.37
16	y	507	CLA	C1B-C2B	2.64	1.49	1.43
16	a	1237	CLA	CMB-C2B	-2.64	1.45	1.50
16	a	1113	CLA	C4B-NB	2.64	1.41	1.37
16	H	1108	CLA	C1B-C2B	2.64	1.49	1.43
16	G	1225	CLA	CMB-C2B	-2.64	1.45	1.50
16	G	1202	CLA	C4B-NB	2.64	1.41	1.37
16	a	1128	CLA	MG-NB	-2.64	2.00	2.05
16	x	504	CLA	C1B-C2B	2.64	1.49	1.43
16	G	1230	CLA	C1B-C2B	2.64	1.49	1.43
16	U	1503	CLA	C1B-C2B	2.64	1.49	1.43
16	W	516	CLA	C1B-C2B	2.64	1.49	1.43
16	Y	515	CLA	C1B-C2B	2.64	1.49	1.43
16	B	1208	CLA	C1B-C2B	2.64	1.49	1.43
16	g	517	CLA	C1B-C2B	2.64	1.49	1.43
16	u	513	CLA	C1B-C2B	2.64	1.49	1.43
16	A	1130	CLA	MG-NB	-2.64	2.00	2.05
16	b	1214	CLA	CMB-C2B	-2.64	1.45	1.50
16	U	1503	CLA	C4B-NB	2.64	1.41	1.37
16	y	515	CLA	C1B-C2B	2.64	1.49	1.43
16	a	1130	CLA	C4B-NB	2.64	1.41	1.37
19	o	601	BCR	C30-C25	-2.64	1.50	1.53
16	a	1105	CLA	C4B-NB	2.64	1.41	1.37
16	Y	506	CLA	C1B-C2B	2.64	1.49	1.43
16	a	1120	CLA	C1B-C2B	2.64	1.49	1.43
16	u	508	CLA	C1B-C2B	2.64	1.49	1.43
16	t	517	CLA	C1B-C2B	2.63	1.49	1.43
16	B	1203	CLA	C1B-C2B	2.63	1.49	1.43
16	r	508	CLA	C1B-C2B	2.63	1.49	1.43
16	T	1401	CLA	C1B-C2B	2.63	1.49	1.43
19	s	601	BCR	C30-C25	-2.63	1.50	1.53
19	j	4013	BCR	C1-C6	-2.63	1.50	1.53
16	n	510	CLA	C1B-C2B	2.63	1.49	1.43
19	S	4015	BCR	C30-C25	-2.63	1.50	1.53
16	x	507	CLA	C1B-C2B	2.63	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	w	508	CLA	C1B-C2B	2.63	1.49	1.43
16	B	1217	CLA	C1B-C2B	2.63	1.49	1.43
16	H	1121	CLA	C1B-C2B	2.63	1.49	1.43
16	g	506	CLA	C4B-NB	2.63	1.41	1.37
16	U	1502	CLA	C4B-NB	2.63	1.41	1.37
16	B	1240	CLA	C1B-C2B	2.63	1.49	1.43
16	G	1208	CLA	C1B-C2B	2.63	1.49	1.43
16	t	504	CLA	C1B-C2B	2.63	1.49	1.43
16	l	1503	CLA	C4B-NB	2.63	1.41	1.37
16	b	1203	CLA	C1B-C2B	2.63	1.49	1.43
16	w	512	CLA	C1B-C2B	2.63	1.49	1.43
16	y	512	CLA	C1B-C2B	2.63	1.49	1.43
16	n	511	CLA	C1B-C2B	2.63	1.49	1.43
15	H	1011	CL0	CMB-C2B	-2.63	1.45	1.50
16	p	506	CLA	C1B-C2B	2.63	1.49	1.43
16	p	515	CLA	C1B-C2B	2.63	1.49	1.43
16	l	1503	CLA	C1B-C2B	2.63	1.49	1.43
16	t	501	CLA	C1B-C2B	2.63	1.49	1.43
16	B	1012	CLA	C1D-ND	2.63	1.41	1.37
16	a	1101	CLA	C4B-NB	2.63	1.41	1.37
16	g	507	CLA	C1B-C2B	2.63	1.49	1.43
16	b	1217	CLA	C1B-C2B	2.63	1.49	1.43
16	S	1302	CLA	C1B-C2B	2.63	1.49	1.43
16	s	515	CLA	C1B-C2B	2.62	1.49	1.43
16	A	1103	CLA	C1B-C2B	2.62	1.49	1.43
16	s	514	CLA	C1B-C2B	2.62	1.49	1.43
16	A	1132	CLA	C4B-NB	2.62	1.41	1.37
16	p	512	CLA	C1B-C2B	2.62	1.49	1.43
16	b	1239	CLA	C1B-C2B	2.62	1.49	1.43
16	n	513	CLA	C1B-C2B	2.62	1.49	1.43
16	a	1108	CLA	C1B-C2B	2.62	1.49	1.43
16	H	1120	CLA	C1B-C2B	2.62	1.49	1.43
16	L	1503	CLA	C1B-C2B	2.62	1.49	1.43
16	X	504	CLA	C1B-C2B	2.62	1.49	1.43
16	b	1240	CLA	C1B-C2B	2.62	1.49	1.43
16	Y	510	CLA	C1B-C2B	2.62	1.49	1.43
16	b	1012	CLA	MG-NB	-2.62	2.00	2.05
16	b	1226	CLA	MG-NB	-2.62	2.00	2.05
16	Z	508	CLA	C1B-C2B	2.62	1.49	1.43
16	Z	516	CLA	C1B-C2B	2.62	1.49	1.43
16	s	506	CLA	C1B-C2B	2.62	1.49	1.43
15	a	1011	CL0	CMB-C2B	-2.62	1.45	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	Y	515	CLA	CMD-C2D	-2.62	1.45	1.50
16	G	1216	CLA	CMB-C2B	-2.62	1.45	1.50
16	g	508	CLA	C1B-C2B	2.62	1.49	1.43
16	x	517	CLA	C1B-C2B	2.62	1.49	1.43
16	b	1216	CLA	CMB-C2B	-2.62	1.45	1.50
16	a	1130	CLA	MG-NB	-2.62	2.00	2.05
16	l	1502	CLA	C4B-NB	2.62	1.41	1.37
16	B	1236	CLA	C4B-NB	2.62	1.41	1.37
16	B	1216	CLA	CMB-C2B	-2.62	1.45	1.50
16	B	1214	CLA	CMB-C2B	-2.62	1.45	1.50
19	q	603	BCR	C30-C25	-2.62	1.50	1.53
16	X	508	CLA	C1B-C2B	2.62	1.49	1.43
16	y	504	CLA	C1B-C2B	2.62	1.49	1.43
16	G	1021	CLA	C4B-NB	2.62	1.41	1.37
16	Z	511	CLA	C1B-C2B	2.61	1.49	1.43
16	y	508	CLA	C1B-C2B	2.61	1.49	1.43
16	o	513	CLA	C1B-C2B	2.61	1.49	1.43
16	W	507	CLA	C1B-C2B	2.61	1.49	1.43
16	B	1239	CLA	C1B-C2B	2.61	1.49	1.43
16	x	511	CLA	C1B-C2B	2.61	1.49	1.43
19	S	4013	BCR	C1-C6	-2.61	1.50	1.53
16	Y	509	CLA	C4B-NB	2.61	1.41	1.37
16	a	1103	CLA	C1B-C2B	2.61	1.49	1.43
16	t	515	CLA	C1B-C2B	2.61	1.49	1.43
16	W	510	CLA	C4B-NB	2.61	1.41	1.37
16	a	1107	CLA	C4B-NB	2.61	1.41	1.37
16	Z	504	CLA	C1B-C2B	2.61	1.49	1.43
16	H	1124	CLA	C4B-NB	2.61	1.41	1.37
16	s	512	CLA	C1B-C2B	2.61	1.49	1.43
16	w	503	CLA	C1B-C2B	2.61	1.49	1.43
16	a	1132	CLA	C4B-NB	2.61	1.41	1.37
19	u	601	BCR	C30-C25	-2.61	1.50	1.53
16	B	1012	CLA	MG-NB	-2.61	2.00	2.05
16	G	1012	CLA	MG-NB	-2.61	2.00	2.05
16	X	507	CLA	C1B-C2B	2.61	1.49	1.43
16	H	1402	CLA	C1B-C2B	2.61	1.49	1.43
16	w	511	CLA	C1B-C2B	2.61	1.49	1.43
16	A	1122	CLA	C4B-NB	2.61	1.41	1.37
16	H	1117	CLA	C4B-NB	2.61	1.41	1.37
16	r	507	CLA	C1B-C2B	2.61	1.49	1.43
16	x	510	CLA	C1B-C2B	2.61	1.49	1.43
16	a	1237	CLA	C4B-NB	2.61	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	J	1302	CLA	C1B-C2B	2.61	1.49	1.43
16	H	1130	CLA	MG-NB	-2.61	2.00	2.05
16	s	502	CLA	C1D-ND	2.61	1.41	1.37
16	w	510	CLA	C1B-C2B	2.61	1.49	1.43
16	H	1107	CLA	C4B-NB	2.61	1.41	1.37
16	r	515	CLA	C1B-C2B	2.60	1.49	1.43
16	W	502	CLA	C1B-C2B	2.60	1.49	1.43
16	v	509	CLA	C1B-C2B	2.60	1.49	1.43
19	J	4013	BCR	C30-C25	-2.60	1.50	1.53
16	A	1120	CLA	C1B-C2B	2.60	1.49	1.43
16	A	1801	CLA	C1B-C2B	2.60	1.49	1.43
16	w	506	CLA	C1B-C2B	2.60	1.49	1.43
16	a	1116	CLA	C4B-NB	2.60	1.41	1.37
16	p	510	CLA	C4B-NB	2.60	1.41	1.37
16	b	1205	CLA	C1B-C2B	2.60	1.49	1.43
16	w	514	CLA	C1B-C2B	2.60	1.49	1.43
16	B	1210	CLA	C1B-C2B	2.60	1.49	1.43
16	h	502	CLA	C1B-C2B	2.60	1.49	1.43
16	b	1234	CLA	C1B-C2B	2.60	1.49	1.43
16	G	1210	CLA	C1B-C2B	2.60	1.49	1.43
16	B	1215	CLA	C4B-NB	2.60	1.41	1.37
16	b	1215	CLA	C4B-NB	2.60	1.41	1.37
16	b	1204	CLA	C1B-C2B	2.60	1.49	1.43
16	H	1801	CLA	C1B-C2B	2.60	1.49	1.43
16	q	506	CLA	C1B-C2B	2.60	1.49	1.43
16	W	517	CLA	C1B-C2B	2.60	1.49	1.43
16	G	1215	CLA	C4B-NB	2.60	1.41	1.37
16	n	504	CLA	C1B-C2B	2.60	1.49	1.43
16	n	515	CLA	C1B-C2B	2.60	1.49	1.43
16	B	1230	CLA	C4B-NB	2.60	1.41	1.37
16	b	1212	CLA	C4B-NB	2.60	1.41	1.37
16	G	1240	CLA	C1B-C2B	2.60	1.49	1.43
19	J	4013	BCR	C1-C6	-2.59	1.50	1.53
19	J	4015	BCR	C30-C25	-2.59	1.50	1.53
16	t	510	CLA	C4B-NB	2.59	1.41	1.37
16	A	1402	CLA	C1B-C2B	2.59	1.49	1.43
16	B	1212	CLA	C4B-NB	2.59	1.41	1.37
16	G	1205	CLA	C1B-C2B	2.59	1.49	1.43
16	Y	505	CLA	C1B-C2B	2.59	1.49	1.43
16	G	1226	CLA	MG-NB	-2.59	2.00	2.05
16	W	515	CLA	C1B-C2B	2.59	1.49	1.43
16	a	1801	CLA	C1B-C2B	2.59	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	r	517	CLA	C1B-C2B	2.59	1.49	1.43
16	G	1234	CLA	C1B-C2B	2.59	1.49	1.43
19	j	4015	BCR	C30-C25	-2.59	1.50	1.53
16	b	1230	CLA	C4B-NB	2.59	1.41	1.37
16	X	516	CLA	C1B-C2B	2.59	1.49	1.43
16	w	516	CLA	C1B-C2B	2.59	1.49	1.43
16	G	1207	CLA	C3B-C4B	2.59	1.50	1.42
19	Z	603	BCR	C30-C25	-2.59	1.50	1.53
16	o	516	CLA	C1B-C2B	2.59	1.49	1.43
16	X	515	CLA	CMD-C2D	-2.59	1.45	1.50
16	H	1237	CLA	CMB-C2B	-2.59	1.45	1.50
15	A	1011	CL0	CMB-C2B	-2.59	1.45	1.50
16	b	1021	CLA	C4B-NB	2.59	1.41	1.37
16	o	507	CLA	C1B-C2B	2.59	1.49	1.43
16	G	1204	CLA	C1B-C2B	2.59	1.49	1.43
16	G	1239	CLA	C1B-C2B	2.59	1.49	1.43
16	B	1204	CLA	C1B-C2B	2.58	1.49	1.43
16	j	1302	CLA	C1B-C2B	2.58	1.49	1.43
16	u	516	CLA	C1B-C2B	2.58	1.49	1.43
19	o	602	BCR	C30-C25	-2.58	1.50	1.53
16	B	1205	CLA	C1B-C2B	2.58	1.49	1.43
16	G	1223	CLA	C1B-C2B	2.58	1.49	1.43
16	g	511	CLA	C1B-C2B	2.58	1.49	1.43
16	A	1237	CLA	C4B-NB	2.58	1.41	1.37
16	b	1210	CLA	C1B-C2B	2.58	1.49	1.43
19	x	601	BCR	C30-C25	-2.58	1.50	1.53
16	X	506	CLA	C1B-C2B	2.58	1.49	1.43
16	v	512	CLA	C1B-C2B	2.58	1.49	1.43
16	q	504	CLA	C1B-C2B	2.58	1.49	1.43
16	S	1303	CLA	C1B-C2B	2.58	1.49	1.43
16	B	1234	CLA	C1B-C2B	2.58	1.49	1.43
16	n	508	CLA	C1B-C2B	2.58	1.49	1.43
16	t	511	CLA	C1B-C2B	2.58	1.49	1.43
16	H	1112	CLA	C4B-NB	2.58	1.41	1.37
16	s	508	CLA	C1B-C2B	2.58	1.49	1.43
16	H	1113	CLA	C1B-C2B	2.58	1.49	1.43
16	v	507	CLA	C1B-C2B	2.58	1.49	1.43
16	j	1303	CLA	C1B-C2B	2.58	1.49	1.43
16	G	1239	CLA	CMB-C2B	-2.58	1.45	1.50
19	Y	601	BCR	C30-C25	-2.58	1.50	1.53
16	G	1212	CLA	C4B-NB	2.58	1.41	1.37
16	J	1303	CLA	C1B-C2B	2.58	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	H	1127	CLA	C4B-NB	2.58	1.41	1.37
16	B	1226	CLA	MG-NB	-2.58	2.00	2.05
16	h	509	CLA	C1B-C2B	2.58	1.49	1.43
16	A	1107	CLA	C4B-NB	2.58	1.41	1.37
16	h	507	CLA	C1B-C2B	2.58	1.49	1.43
16	a	1112	CLA	C4B-NB	2.57	1.41	1.37
16	G	1230	CLA	C4B-NB	2.57	1.41	1.37
16	n	502	CLA	C1B-C2B	2.57	1.49	1.43
16	H	1132	CLA	C4B-NB	2.57	1.41	1.37
16	W	511	CLA	C1B-C2B	2.57	1.49	1.43
16	o	515	CLA	CMD-C2D	-2.57	1.45	1.50
16	v	502	CLA	C1B-C2B	2.57	1.49	1.43
16	B	1205	CLA	CMD-C2D	-2.57	1.45	1.50
16	W	510	CLA	C1B-C2B	2.57	1.49	1.43
16	u	507	CLA	C1B-C2B	2.57	1.49	1.43
16	G	1205	CLA	CMD-C2D	-2.57	1.45	1.50
16	s	517	CLA	C1B-C2B	2.57	1.49	1.43
16	q	502	CLA	C1B-C2B	2.57	1.49	1.43
16	p	517	CLA	C1B-C2B	2.57	1.49	1.43
16	A	1130	CLA	C4B-NB	2.57	1.41	1.37
16	H	1116	CLA	C4B-NB	2.57	1.41	1.37
16	g	515	CLA	C1B-C2B	2.57	1.49	1.43
16	w	502	CLA	C3B-C4B	2.57	1.50	1.42
16	Y	517	CLA	C1B-C2B	2.57	1.49	1.43
16	b	1239	CLA	CMB-C2B	-2.57	1.45	1.50
16	a	1402	CLA	C1B-C2B	2.57	1.49	1.43
16	q	514	CLA	C1B-C2B	2.56	1.49	1.43
16	B	1234	CLA	C4B-NB	2.56	1.41	1.37
16	s	502	CLA	C1B-C2B	2.56	1.49	1.43
16	a	1237	CLA	C1B-C2B	2.56	1.49	1.43
16	A	1127	CLA	MG-NB	-2.56	2.00	2.05
16	B	1239	CLA	CMB-C2B	-2.56	1.45	1.50
16	X	512	CLA	C1B-C2B	2.56	1.49	1.43
16	b	1223	CLA	C1B-C2B	2.56	1.49	1.43
16	A	1114	CLA	C1B-C2B	2.56	1.49	1.43
16	A	1124	CLA	C4B-NB	2.56	1.41	1.37
16	a	1127	CLA	C4B-NB	2.56	1.41	1.37
16	G	1206	CLA	C4B-NB	2.56	1.41	1.37
16	A	1237	CLA	C1B-C2B	2.56	1.49	1.43
16	H	1237	CLA	C1B-C2B	2.56	1.49	1.43
16	A	1127	CLA	C4B-NB	2.56	1.41	1.37
16	s	510	CLA	C4B-NB	2.56	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	B	1223	CLA	C1B-C2B	2.56	1.49	1.43
16	B	1202	CLA	C4B-NB	2.56	1.41	1.37
16	Z	514	CLA	C1B-C2B	2.56	1.49	1.43
16	q	516	CLA	C1B-C2B	2.56	1.49	1.43
16	B	1209	CLA	C1B-C2B	2.56	1.49	1.43
16	o	502	CLA	C1B-C2B	2.56	1.49	1.43
16	h	516	CLA	C1B-C2B	2.55	1.49	1.43
16	b	1215	CLA	C1B-C2B	2.55	1.49	1.43
16	y	509	CLA	C1B-C2B	2.55	1.49	1.43
16	b	1234	CLA	C4B-NB	2.55	1.41	1.37
16	b	1209	CLA	C1B-C2B	2.55	1.49	1.43
16	Y	502	CLA	C1B-C2B	2.55	1.49	1.43
19	t	601	BCR	C30-C25	-2.55	1.50	1.53
16	X	506	CLA	CMB-C2B	-2.55	1.45	1.50
19	q	604	BCR	C30-C25	-2.55	1.50	1.53
16	a	1115	CLA	C1B-C2B	2.55	1.49	1.43
16	u	502	CLA	C1B-C2B	2.55	1.49	1.43
16	b	1202	CLA	C4B-NB	2.55	1.41	1.37
16	a	1111	CLA	C4B-NB	2.55	1.41	1.37
16	G	1209	CLA	C1B-C2B	2.55	1.49	1.43
16	v	510	CLA	C1B-C2B	2.55	1.49	1.43
16	Y	508	CLA	C1B-C2B	2.55	1.49	1.43
16	a	1114	CLA	C1B-C2B	2.55	1.49	1.43
16	o	512	CLA	C1B-C2B	2.55	1.49	1.43
16	B	1205	CLA	C4B-NB	2.55	1.41	1.37
19	n	601	BCR	C30-C25	-2.55	1.50	1.53
16	a	1127	CLA	MG-NB	-2.55	2.00	2.05
16	B	1021	CLA	C4B-NB	2.55	1.41	1.37
16	H	1130	CLA	C4B-NB	2.55	1.41	1.37
16	u	510	CLA	C4B-NB	2.55	1.41	1.37
19	Y	602	BCR	C30-C25	-2.55	1.50	1.53
16	H	1104	CLA	C1B-C2B	2.55	1.49	1.43
16	A	1111	CLA	C4B-NB	2.55	1.41	1.37
16	H	1131	CLA	C4B-NB	2.55	1.41	1.37
16	B	1207	CLA	C3B-C4B	2.54	1.50	1.42
16	a	1124	CLA	CMD-C2D	-2.54	1.45	1.50
16	G	1215	CLA	C1B-C2B	2.54	1.49	1.43
16	Y	516	CLA	C1B-C2B	2.54	1.49	1.43
16	H	1115	CLA	C1B-C2B	2.54	1.49	1.43
16	B	1235	CLA	CMB-C2B	-2.54	1.45	1.50
16	A	1124	CLA	C1D-ND	2.54	1.41	1.37
16	b	1206	CLA	C4B-NB	2.54	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
19	Z	604	BCR	C30-C25	-2.54	1.50	1.53
16	G	1205	CLA	C4B-NB	2.54	1.41	1.37
16	a	1113	CLA	C1B-C2B	2.54	1.49	1.43
16	H	1127	CLA	MG-NB	-2.54	2.00	2.05
16	n	517	CLA	C1B-C2B	2.54	1.49	1.43
16	q	511	CLA	C1B-C2B	2.54	1.49	1.43
16	A	1115	CLA	C1B-C2B	2.54	1.49	1.43
16	A	1104	CLA	C1B-C2B	2.54	1.49	1.43
16	Y	514	CLA	C1B-C2B	2.54	1.49	1.43
16	Z	506	CLA	C1B-C2B	2.54	1.49	1.43
16	a	1102	CLA	C3B-C4B	2.54	1.50	1.42
16	b	1207	CLA	C3B-C4B	2.54	1.50	1.42
16	p	502	CLA	C1B-C2B	2.54	1.49	1.43
16	p	508	CLA	C1B-C2B	2.54	1.49	1.43
16	G	1235	CLA	C4B-NB	2.54	1.41	1.37
16	y	516	CLA	C1B-C2B	2.54	1.49	1.43
16	r	511	CLA	C1B-C2B	2.54	1.49	1.43
16	W	508	CLA	C1B-C2B	2.54	1.49	1.43
16	A	1113	CLA	C1B-C2B	2.54	1.49	1.43
16	w	502	CLA	C1B-C2B	2.54	1.49	1.43
16	g	506	CLA	CMB-C2B	-2.53	1.45	1.50
16	B	1212	CLA	C1B-C2B	2.53	1.49	1.43
16	b	1222	CLA	C4B-NB	2.53	1.41	1.37
16	x	514	CLA	C1B-C2B	2.53	1.49	1.43
16	b	1212	CLA	C1B-C2B	2.53	1.49	1.43
16	B	1221	CLA	CMD-C2D	-2.53	1.45	1.50
19	s	602	BCR	C30-C25	-2.53	1.50	1.53
19	w	604	BCR	C30-C25	-2.53	1.50	1.53
16	s	506	CLA	CMB-C2B	-2.53	1.45	1.50
16	A	1125	CLA	C1B-C2B	2.53	1.49	1.43
16	H	1237	CLA	C4B-NB	2.53	1.41	1.37
19	x	604	BCR	C30-C25	-2.53	1.50	1.53
16	u	512	CLA	C1B-C2B	2.53	1.49	1.43
16	G	1221	CLA	CMD-C2D	-2.53	1.45	1.50
16	G	1234	CLA	C4B-NB	2.53	1.41	1.37
16	l	1501	CLA	C1B-C2B	2.53	1.49	1.43
16	b	1205	CLA	C4B-NB	2.53	1.41	1.37
19	u	602	BCR	C30-C25	-2.53	1.50	1.53
16	X	502	CLA	C1B-C2B	2.53	1.49	1.43
16	a	1104	CLA	C1B-C2B	2.52	1.49	1.43
16	w	502	CLA	CMD-C2D	-2.52	1.45	1.50
20	L	4101	LMT	O3'-C3'	-2.52	1.36	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	v	516	CLA	C1B-C2B	2.52	1.49	1.43
16	b	1205	CLA	CMD-C2D	-2.52	1.45	1.50
16	A	1102	CLA	C3B-C4B	2.52	1.50	1.42
16	B	1215	CLA	C1B-C2B	2.52	1.49	1.43
16	r	514	CLA	C1B-C2B	2.52	1.49	1.43
16	b	1206	CLA	MG-NB	-2.52	2.00	2.05
16	B	1235	CLA	C4B-NB	2.52	1.41	1.37
16	n	510	CLA	C4B-NB	2.52	1.41	1.37
16	a	1101	CLA	C1B-C2B	2.52	1.49	1.43
16	H	1135	CLA	MG-NB	-2.52	2.00	2.05
16	b	1221	CLA	CMD-C2D	-2.52	1.45	1.50
16	u	510	CLA	C1B-C2B	2.52	1.49	1.43
16	B	1213	CLA	C1B-C2B	2.52	1.49	1.43
16	b	1235	CLA	CMB-C2B	-2.52	1.45	1.50
16	B	1206	CLA	C4B-NB	2.52	1.41	1.37
16	G	1224	CLA	C4B-NB	2.52	1.41	1.37
16	H	1102	CLA	C3B-C4B	2.52	1.50	1.42
16	g	509	CLA	C1B-C2B	2.52	1.49	1.43
16	u	515	CLA	CMD-C2D	-2.52	1.45	1.50
16	H	1013	CLA	C1B-NB	-2.52	1.34	1.37
16	n	509	CLA	C1B-C2B	2.52	1.49	1.43
16	H	1125	CLA	C1B-C2B	2.52	1.49	1.43
16	B	1235	CLA	CMD-C2D	-2.52	1.45	1.50
15	a	1011	CL0	MG-NB	-2.52	2.00	2.05
20	U	4101	LMT	O3'-C3'	-2.52	1.36	1.43
16	A	1138	CLA	C4B-NB	2.52	1.41	1.37
19	r	604	BCR	C30-C25	-2.52	1.50	1.53
16	a	1135	CLA	MG-NB	-2.52	2.00	2.05
19	r	601	BCR	C30-C25	-2.51	1.50	1.53
16	a	1125	CLA	C1B-C2B	2.51	1.49	1.43
16	G	1206	CLA	MG-NB	-2.51	2.00	2.05
16	A	1131	CLA	C4B-NB	2.51	1.41	1.37
19	p	602	BCR	C30-C25	-2.51	1.50	1.53
16	G	1212	CLA	C1B-C2B	2.51	1.49	1.43
16	b	1235	CLA	CMD-C2D	-2.51	1.45	1.50
19	W	601	BCR	C30-C25	-2.51	1.50	1.53
16	b	1213	CLA	C1B-C2B	2.51	1.49	1.43
15	H	1011	CL0	C1D-ND	2.51	1.41	1.37
19	Q	4016	BCR	C30-C25	-2.51	1.50	1.53
16	p	506	CLA	CMB-C2B	-2.51	1.45	1.50
16	H	1114	CLA	C1B-C2B	2.51	1.49	1.43
15	A	1011	CL0	MG-NB	-2.51	2.00	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	B	1222	CLA	C4B-NB	2.51	1.41	1.37
16	Y	502	CLA	C1D-ND	2.51	1.41	1.37
13	A	851	LHG	O7-C5	-2.51	1.40	1.46
16	W	509	CLA	C1B-C2B	2.51	1.49	1.43
16	y	511	CLA	C3B-C4B	2.51	1.50	1.42
16	a	1131	CLA	C4B-NB	2.51	1.41	1.37
16	G	1213	CLA	C1B-C2B	2.51	1.49	1.43
16	H	1111	CLA	C4B-NB	2.51	1.41	1.37
16	A	1116	CLA	C4B-NB	2.51	1.41	1.37
16	r	509	CLA	C1B-C2B	2.51	1.49	1.43
19	X	602	BCR	C30-C25	-2.50	1.50	1.53
16	B	1236	CLA	MG-NB	-2.50	2.00	2.05
15	H	1011	CL0	MG-NB	-2.50	2.00	2.05
19	h	601	BCR	C30-C25	-2.50	1.50	1.53
16	H	1107	CLA	C1B-C2B	2.50	1.49	1.43
16	o	510	CLA	C1B-C2B	2.50	1.49	1.43
16	b	1236	CLA	MG-NB	-2.50	2.00	2.05
13	H	851	LHG	O7-C5	-2.50	1.40	1.46
15	a	1011	CL0	C1D-ND	2.50	1.41	1.37
16	a	1124	CLA	C1D-ND	2.50	1.41	1.37
16	w	509	CLA	C1B-C2B	2.50	1.49	1.43
20	l	4101	LMT	O3'-C3'	-2.50	1.36	1.43
16	A	1124	CLA	CMD-C2D	-2.50	1.45	1.50
16	X	510	CLA	C1B-C2B	2.50	1.49	1.43
16	H	1135	CLA	C1B-C2B	2.50	1.49	1.43
19	y	601	BCR	C30-C25	-2.50	1.50	1.53
16	H	1137	CLA	C4B-NB	2.50	1.41	1.37
16	B	1206	CLA	MG-NB	-2.50	2.00	2.05
16	A	1107	CLA	C1B-C2B	2.50	1.49	1.43
16	b	1235	CLA	C4B-NB	2.50	1.41	1.37
16	s	511	CLA	CMB-C2B	-2.50	1.45	1.50
13	a	851	LHG	O7-C5	-2.50	1.40	1.46
16	H	1101	CLA	C1B-C2B	2.50	1.49	1.43
15	A	1011	CL0	C1D-ND	2.49	1.41	1.37
16	a	1106	CLA	C4B-NB	2.49	1.41	1.37
19	F	4016	BCR	C30-C25	-2.49	1.50	1.53
19	f	4016	BCR	C30-C25	-2.49	1.50	1.53
16	s	509	CLA	C1B-C2B	2.49	1.49	1.43
16	g	516	CLA	C1B-C2B	2.49	1.49	1.43
16	H	1134	CLA	C1B-C2B	2.49	1.49	1.43
16	B	1220	CLA	C1B-C2B	2.49	1.49	1.43
16	a	1138	CLA	C4B-NB	2.49	1.41	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	t	509	CLA	C1B-C2B	2.49	1.49	1.43
16	b	1220	CLA	C1B-C2B	2.49	1.49	1.43
16	G	1235	CLA	CMB-C2B	-2.49	1.45	1.50
16	b	1224	CLA	C4B-NB	2.49	1.41	1.37
19	u	604	BCR	C30-C25	-2.49	1.50	1.53
16	b	1228	CLA	C1B-C2B	2.49	1.49	1.43
16	B	1012	CLA	CMD-C2D	-2.49	1.45	1.50
16	H	1117	CLA	C1B-C2B	2.49	1.49	1.43
16	a	1107	CLA	C1B-C2B	2.49	1.49	1.43
16	a	1135	CLA	C1B-C2B	2.49	1.49	1.43
16	A	1137	CLA	C4B-NB	2.49	1.41	1.37
16	x	516	CLA	CMB-C2B	-2.49	1.45	1.50
16	a	1124	CLA	MG-NB	-2.49	2.00	2.05
16	H	1124	CLA	CMD-C2D	-2.49	1.45	1.50
16	A	1127	CLA	C1B-C2B	2.49	1.49	1.43
16	U	1501	CLA	C1B-C2B	2.49	1.49	1.43
16	G	1204	CLA	C4B-NB	2.49	1.41	1.37
16	G	1235	CLA	CMD-C2D	-2.49	1.45	1.50
16	H	1127	CLA	C1B-C2B	2.48	1.49	1.43
16	q	502	CLA	CMD-C2D	-2.48	1.45	1.50
16	a	1116	CLA	MG-NB	-2.48	2.00	2.05
16	a	1013	CLA	C1B-NB	-2.48	1.34	1.37
16	H	1133	CLA	C1B-C2B	2.48	1.49	1.43
16	B	1021	CLA	CMD-C2D	-2.48	1.45	1.50
16	H	1101	CLA	CMD-C2D	-2.48	1.45	1.50
16	a	1134	CLA	C1B-C2B	2.48	1.48	1.43
16	Y	502	CLA	CMD-C2D	-2.48	1.45	1.50
16	G	1211	CLA	C1B-C2B	2.48	1.48	1.43
16	A	1106	CLA	C4B-NB	2.48	1.41	1.37
16	G	1012	CLA	CMD-C2D	-2.48	1.45	1.50
16	A	1135	CLA	MG-NB	-2.48	2.00	2.05
19	Z	602	BCR	C30-C25	-2.48	1.50	1.53
16	A	1117	CLA	C1B-C2B	2.48	1.48	1.43
16	s	502	CLA	C3B-C4B	2.48	1.49	1.42
16	G	1220	CLA	C1B-C2B	2.48	1.48	1.43
16	a	1123	CLA	C1B-C2B	2.48	1.48	1.43
16	a	1110	CLA	C1B-C2B	2.48	1.48	1.43
16	L	1501	CLA	C1B-C2B	2.48	1.48	1.43
16	A	1101	CLA	C1B-C2B	2.47	1.48	1.43
16	A	1134	CLA	C1B-C2B	2.47	1.48	1.43
16	A	1013	CLA	C1B-NB	-2.47	1.34	1.37
16	B	1211	CLA	C1B-C2B	2.47	1.48	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	p	515	CLA	CMD-C2D	-2.47	1.45	1.50
19	g	604	BCR	C30-C25	-2.47	1.50	1.53
16	Z	517	CLA	C1B-C2B	2.47	1.48	1.43
16	s	515	CLA	CMD-C2D	-2.47	1.45	1.50
16	a	1125	CLA	CMC-C2C	-2.47	1.45	1.50
16	B	1224	CLA	C4B-NB	2.47	1.41	1.37
16	A	1133	CLA	C1B-C2B	2.47	1.48	1.43
19	h	604	BCR	C30-C25	-2.47	1.50	1.53
16	B	1023	CLA	C4B-NB	2.47	1.41	1.37
16	a	1127	CLA	C1B-C2B	2.47	1.48	1.43
16	X	510	CLA	C4B-NB	2.47	1.41	1.37
16	B	1201	CLA	C3B-C4B	2.47	1.49	1.42
16	H	1106	CLA	C4B-NB	2.47	1.41	1.37
16	B	1214	CLA	MG-NB	-2.47	2.00	2.05
16	H	1129	CLA	MG-NB	-2.47	2.00	2.05
16	b	1211	CLA	C1B-C2B	2.47	1.48	1.43
16	a	1101	CLA	CMD-C2D	-2.47	1.45	1.50
16	Z	502	CLA	C1B-C2B	2.47	1.48	1.43
16	p	509	CLA	C1B-C2B	2.47	1.48	1.43
16	B	1226	CLA	C1B-NB	-2.47	1.34	1.37
19	X	604	BCR	C30-C25	-2.46	1.50	1.53
16	x	516	CLA	C1B-C2B	2.46	1.48	1.43
16	g	506	CLA	CMD-C2D	-2.46	1.45	1.50
16	o	506	CLA	CMB-C2B	-2.46	1.45	1.50
16	a	1137	CLA	MG-NB	-2.46	2.00	2.05
16	G	1226	CLA	C1B-NB	-2.46	1.34	1.37
16	q	509	CLA	C1B-C2B	2.46	1.48	1.43
16	G	1228	CLA	C1B-C2B	2.46	1.48	1.43
19	g	601	BCR	C30-C25	-2.46	1.50	1.53
16	y	510	CLA	C1B-C2B	2.46	1.48	1.43
16	Y	511	CLA	CMB-C2B	-2.46	1.45	1.50
16	v	511	CLA	C1B-C2B	2.46	1.48	1.43
16	W	504	CLA	C1B-C2B	2.46	1.48	1.43
16	H	1124	CLA	C1D-ND	2.46	1.41	1.37
16	b	1012	CLA	CMD-C2D	-2.46	1.45	1.50
16	H	1127	CLA	CMB-C2B	-2.46	1.45	1.50
16	G	1021	CLA	CMD-C2D	-2.46	1.45	1.50
16	a	1137	CLA	C4B-NB	2.46	1.41	1.37
16	x	509	CLA	C1B-C2B	2.46	1.48	1.43
16	G	1222	CLA	C4B-NB	2.46	1.41	1.37
16	a	1106	CLA	C1B-C2B	2.46	1.48	1.43
16	A	1110	CLA	C1B-C2B	2.46	1.48	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	o	517	CLA	C1B-C2B	2.46	1.48	1.43
16	H	1138	CLA	C4B-NB	2.46	1.41	1.37
16	b	1021	CLA	CMD-C2D	-2.46	1.45	1.50
16	r	516	CLA	C1B-C2B	2.46	1.48	1.43
16	A	1106	CLA	C1B-C2B	2.45	1.48	1.43
16	H	1123	CLA	C1B-C2B	2.45	1.48	1.43
16	b	1226	CLA	C1B-NB	-2.45	1.34	1.37
16	B	1227	CLA	C1B-C2B	2.45	1.48	1.43
16	H	1137	CLA	MG-NB	-2.45	2.00	2.05
16	G	1235	CLA	MG-NB	-2.45	2.00	2.05
19	v	604	BCR	C30-C25	-2.45	1.50	1.53
16	A	1135	CLA	C1B-C2B	2.45	1.48	1.43
16	Y	509	CLA	C1B-C2B	2.45	1.48	1.43
16	G	1214	CLA	MG-NB	-2.45	2.00	2.05
16	H	1131	CLA	MG-NB	-2.45	2.00	2.05
16	Y	511	CLA	C1B-C2B	2.45	1.48	1.43
19	b	4004	BCR	C30-C25	-2.45	1.50	1.53
16	a	1126	CLA	CHC-C1C	2.45	1.43	1.38
16	H	1118	CLA	CMB-C2B	-2.45	1.45	1.50
16	A	1118	CLA	MG-NB	-2.45	2.00	2.05
16	b	1214	CLA	MG-NB	-2.45	2.00	2.05
16	b	1204	CLA	C4B-NB	2.45	1.41	1.37
16	A	1137	CLA	MG-NB	-2.45	2.00	2.05
16	B	1235	CLA	MG-NB	-2.45	2.00	2.05
16	a	1117	CLA	C1B-C2B	2.45	1.48	1.43
16	h	510	CLA	C1B-C2B	2.45	1.48	1.43
19	V	4021	BCR	C30-C25	-2.45	1.50	1.53
16	a	1127	CLA	CMB-C2B	-2.45	1.45	1.50
16	a	1013	CLA	C4B-NB	2.45	1.41	1.37
16	A	1111	CLA	C1B-C2B	2.45	1.48	1.43
16	G	1023	CLA	C3B-C4B	2.45	1.49	1.42
16	u	506	CLA	CMB-C2B	-2.45	1.45	1.50
16	H	1116	CLA	MG-NB	-2.45	2.00	2.05
16	b	1235	CLA	MG-NB	-2.45	2.00	2.05
16	H	1125	CLA	CMC-C2C	-2.45	1.45	1.50
16	H	1140	CLA	MG-NB	-2.45	2.00	2.05
16	A	1137	CLA	C1B-C2B	2.45	1.48	1.43
16	B	1228	CLA	C1B-C2B	2.45	1.48	1.43
16	Z	502	CLA	CMD-C2D	-2.45	1.45	1.50
16	g	511	CLA	CMC-C2C	-2.45	1.45	1.50
16	G	1236	CLA	MG-NB	-2.45	2.00	2.05
16	A	1101	CLA	CMD-C2D	-2.45	1.45	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	x	506	CLA	CMD-C2D	-2.45	1.45	1.50
16	H	1126	CLA	CHC-C1C	2.45	1.43	1.38
16	p	511	CLA	CMB-C2B	-2.45	1.45	1.50
16	A	1126	CLA	CHC-C1C	2.45	1.43	1.38
16	H	1136	CLA	MG-NB	-2.45	2.00	2.05
16	A	1116	CLA	MG-NB	-2.45	2.00	2.05
16	A	1127	CLA	CMB-C2B	-2.44	1.45	1.50
16	H	1106	CLA	C1B-C2B	2.44	1.48	1.43
16	H	1110	CLA	C1B-C2B	2.44	1.48	1.43
19	w	603	BCR	C30-C25	-2.44	1.50	1.53
16	X	517	CLA	C3B-C4B	2.44	1.49	1.42
16	a	1140	CLA	MG-NB	-2.44	2.00	2.05
16	u	517	CLA	C1B-C2B	2.44	1.48	1.43
16	H	1124	CLA	MG-NB	-2.44	2.00	2.05
16	H	1111	CLA	C1B-C2B	2.44	1.48	1.43
16	A	1124	CLA	MG-NB	-2.44	2.00	2.05
16	G	1201	CLA	C3B-C4B	2.44	1.49	1.42
16	Z	509	CLA	C1B-C2B	2.44	1.48	1.43
16	Z	515	CLA	CMD-C2D	-2.44	1.45	1.50
16	H	1124	CLA	C3B-C4B	2.44	1.49	1.42
16	b	1201	CLA	C3B-C4B	2.44	1.49	1.42
16	B	1204	CLA	C4B-NB	2.44	1.41	1.37
16	b	1201	CLA	CHC-C1C	2.44	1.43	1.38
16	A	1123	CLA	C1B-C2B	2.44	1.48	1.43
16	y	515	CLA	CMD-C2D	-2.44	1.45	1.50
16	b	1231	CLA	C1B-C2B	2.44	1.48	1.43
16	B	1216	CLA	MG-NB	-2.44	2.01	2.05
16	a	1129	CLA	MG-NB	-2.44	2.01	2.05
19	g	602	BCR	C30-C25	-2.44	1.50	1.53
16	q	517	CLA	C1B-C2B	2.44	1.48	1.43
16	B	1023	CLA	C3B-C4B	2.44	1.49	1.42
19	q	602	BCR	C30-C25	-2.44	1.50	1.53
19	x	602	BCR	C30-C25	-2.44	1.50	1.53
16	A	1107	CLA	MG-NB	-2.44	2.01	2.05
16	A	1013	CLA	C4B-NB	2.44	1.41	1.37
16	A	1125	CLA	CMC-C2C	-2.43	1.45	1.50
16	s	511	CLA	C1B-C2B	2.43	1.48	1.43
16	w	517	CLA	C1B-C2B	2.43	1.48	1.43
16	H	1118	CLA	MG-NB	-2.43	2.01	2.05
16	A	1136	CLA	MG-NB	-2.43	2.01	2.05
16	b	1224	CLA	MG-NB	-2.43	2.01	2.05
16	G	1221	CLA	MG-NB	-2.43	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	b	1023	CLA	C3B-C4B	2.43	1.49	1.42
16	A	1140	CLA	MG-NB	-2.43	2.01	2.05
19	M	4021	BCR	C30-C25	-2.43	1.50	1.53
16	o	510	CLA	C4B-NB	2.43	1.41	1.37
16	r	506	CLA	CMB-C2B	-2.43	1.45	1.50
19	y	604	BCR	C30-C25	-2.43	1.50	1.53
16	b	1229	CLA	C1B-C2B	2.43	1.48	1.43
16	a	1136	CLA	MG-NB	-2.43	2.01	2.05
16	B	1225	CLA	C3B-C4B	2.43	1.49	1.42
16	a	1105	CLA	C1B-C2B	2.43	1.48	1.43
16	G	1229	CLA	C1B-C2B	2.43	1.48	1.43
16	W	510	CLA	MG-NB	-2.43	2.01	2.05
16	b	1225	CLA	C3B-C4B	2.43	1.49	1.42
16	T	1401	CLA	CMD-C2D	-2.43	1.45	1.50
16	a	1135	CLA	C4B-NB	2.43	1.41	1.37
16	H	1125	CLA	C4B-NB	2.43	1.41	1.37
16	G	1227	CLA	C1B-C2B	2.43	1.48	1.43
16	B	1231	CLA	C1B-C2B	2.43	1.48	1.43
16	a	1133	CLA	C1B-C2B	2.43	1.48	1.43
16	a	1131	CLA	MG-NB	-2.43	2.01	2.05
16	A	1134	CLA	CMB-C2B	-2.43	1.45	1.50
16	G	1216	CLA	MG-NB	-2.43	2.01	2.05
16	u	517	CLA	C3B-C4B	2.43	1.49	1.42
16	H	1013	CLA	C4B-NB	2.43	1.41	1.37
16	a	1125	CLA	C4B-NB	2.42	1.41	1.37
16	G	1023	CLA	C4B-NB	2.42	1.41	1.37
16	G	1225	CLA	C3B-C4B	2.42	1.49	1.42
16	b	1240	CLA	C3B-C4B	2.42	1.49	1.42
16	a	1111	CLA	C1B-C2B	2.42	1.48	1.43
16	b	1216	CLA	MG-NB	-2.42	2.01	2.05
16	A	1125	CLA	C4B-NB	2.42	1.41	1.37
16	A	1122	CLA	C1B-C2B	2.42	1.48	1.43
16	p	516	CLA	C1B-C2B	2.42	1.48	1.43
19	q	601	BCR	C30-C25	-2.42	1.50	1.53
16	G	1201	CLA	CHC-C1C	2.42	1.43	1.38
16	G	1231	CLA	C1B-C2B	2.42	1.48	1.43
16	F	1301	CLA	C1B-C2B	2.42	1.48	1.43
16	A	1124	CLA	C3B-C4B	2.42	1.49	1.42
16	X	509	CLA	MG-NB	-2.42	2.01	2.05
19	o	604	BCR	C30-C25	-2.42	1.50	1.53
16	a	1118	CLA	MG-NB	-2.42	2.01	2.05
16	B	1216	CLA	C1B-C2B	2.42	1.48	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	H	1137	CLA	C1B-C2B	2.42	1.48	1.43
16	B	1201	CLA	CHC-C1C	2.42	1.43	1.38
16	A	1131	CLA	MG-NB	-2.42	2.01	2.05
16	B	1023	CLA	CHC-C1C	2.42	1.43	1.38
16	a	1124	CLA	C3B-C4B	2.42	1.49	1.42
19	x	602	BCR	C1-C6	-2.42	1.50	1.53
19	v	601	BCR	C30-C25	-2.42	1.50	1.53
16	B	1224	CLA	MG-NB	-2.42	2.01	2.05
16	h	511	CLA	C1B-C2B	2.42	1.48	1.43
16	H	1107	CLA	MG-NB	-2.42	2.01	2.05
16	p	511	CLA	C1B-C2B	2.42	1.48	1.43
19	G	4004	BCR	C30-C25	-2.41	1.50	1.53
16	A	1135	CLA	C4B-NB	2.41	1.41	1.37
16	a	1118	CLA	CMB-C2B	-2.41	1.45	1.50
16	H	1131	CLA	CMD-C2D	-2.41	1.45	1.50
16	b	1227	CLA	C1B-C2B	2.41	1.48	1.43
19	B	4004	BCR	C30-C25	-2.41	1.50	1.53
16	a	1126	CLA	CMC-C2C	-2.41	1.45	1.50
16	Y	508	CLA	CMD-C2D	-2.41	1.45	1.50
19	Z	601	BCR	C30-C25	-2.41	1.50	1.53
16	b	1234	CLA	MG-NB	-2.41	2.01	2.05
16	G	1231	CLA	C3B-C4B	2.41	1.49	1.42
16	G	1023	CLA	CHC-C1C	2.41	1.43	1.38
16	X	510	CLA	MG-NB	-2.41	2.01	2.05
16	a	1140	CLA	C1B-C2B	2.41	1.48	1.43
16	b	1231	CLA	C3B-C4B	2.41	1.49	1.42
15	H	1011	CL0	MG-ND	-2.41	2.01	2.05
16	Z	517	CLA	C3B-C4B	2.41	1.49	1.42
16	a	1126	CLA	C3B-C4B	2.41	1.49	1.42
16	q	502	CLA	C3B-C4B	2.41	1.49	1.42
16	b	1238	CLA	CMD-C2D	-2.41	1.45	1.50
16	A	1129	CLA	MG-NB	-2.41	2.01	2.05
16	a	1130	CLA	CMB-C2B	-2.41	1.45	1.50
16	A	1126	CLA	CMC-C2C	-2.41	1.45	1.50
16	H	1105	CLA	C1B-C2B	2.41	1.48	1.43
16	A	1105	CLA	C1B-C2B	2.41	1.48	1.43
16	a	1137	CLA	C1B-C2B	2.41	1.48	1.43
16	B	1211	CLA	CMD-C2D	-2.41	1.45	1.50
16	a	1136	CLA	CMB-C2B	-2.41	1.45	1.50
16	B	1023	CLA	CMD-C2D	-2.41	1.45	1.50
16	G	1224	CLA	MG-NB	-2.41	2.01	2.05
16	B	1229	CLA	C1B-C2B	2.41	1.48	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	G	1236	CLA	C1B-C2B	2.41	1.48	1.43
16	H	1136	CLA	CMB-C2B	-2.41	1.45	1.50
16	A	1118	CLA	CMB-C2B	-2.41	1.45	1.50
16	a	1107	CLA	MG-NB	-2.40	2.01	2.05
16	Y	502	CLA	C3B-C4B	2.40	1.49	1.42
19	r	602	BCR	C1-C6	-2.40	1.50	1.53
16	B	1234	CLA	MG-NB	-2.40	2.01	2.05
16	b	1225	CLA	MG-NB	-2.40	2.01	2.05
16	H	1013	CLA	CMB-C2B	-2.40	1.45	1.50
16	b	1216	CLA	C1B-C2B	2.40	1.48	1.43
16	b	1023	CLA	C4B-NB	2.40	1.41	1.37
16	Y	505	CLA	CMC-C2C	-2.40	1.45	1.50
16	G	1223	CLA	CMD-C2D	-2.40	1.45	1.50
19	w	602	BCR	C30-C25	-2.40	1.50	1.53
16	h	502	CLA	C3B-C4B	2.40	1.49	1.42
16	a	1134	CLA	CMB-C2B	-2.40	1.45	1.50
16	a	1139	CLA	C1B-C2B	2.40	1.48	1.43
16	H	1237	CLA	MG-NB	-2.40	2.01	2.05
16	B	1231	CLA	C3B-C4B	2.40	1.49	1.42
16	A	1118	CLA	CMD-C2D	-2.40	1.45	1.50
16	b	1238	CLA	MG-NB	-2.40	2.01	2.05
19	m	4021	BCR	C30-C25	-2.40	1.50	1.53
16	H	1122	CLA	C1B-C2B	2.40	1.48	1.43
16	Q	1301	CLA	C1B-C2B	2.40	1.48	1.43
16	w	506	CLA	CMB-C2B	-2.40	1.45	1.50
16	H	1135	CLA	C4B-NB	2.40	1.41	1.37
16	B	1238	CLA	MG-NB	-2.40	2.01	2.05
16	X	517	CLA	C1B-C2B	2.40	1.48	1.43
16	H	1139	CLA	C1B-C2B	2.40	1.48	1.43
16	G	1216	CLA	C1B-C2B	2.40	1.48	1.43
16	a	1013	CLA	CMB-C2B	-2.40	1.45	1.50
16	G	1240	CLA	C3B-C4B	2.40	1.49	1.42
16	A	1118	CLA	C1B-C2B	2.40	1.48	1.43
16	H	1126	CLA	C3B-C4B	2.40	1.49	1.42
19	r	602	BCR	C30-C25	-2.40	1.50	1.53
16	a	1131	CLA	CMD-C2D	-2.40	1.45	1.50
16	b	1238	CLA	CMB-C2B	-2.40	1.45	1.50
16	r	516	CLA	CMB-C2B	-2.40	1.45	1.50
16	K	1401	CLA	CMD-C2D	-2.40	1.45	1.50
16	B	1225	CLA	MG-NB	-2.40	2.01	2.05
16	L	1502	CLA	C1B-C2B	2.39	1.48	1.43
16	B	1240	CLA	C3B-C4B	2.39	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	H	1102	CLA	CHC-C1C	2.39	1.43	1.38
16	b	1211	CLA	CMD-C2D	-2.39	1.45	1.50
16	r	517	CLA	C3B-C4B	2.39	1.49	1.42
16	U	1502	CLA	C1B-C2B	2.39	1.48	1.43
16	A	1237	CLA	MG-NB	-2.39	2.01	2.05
16	w	516	CLA	CMB-C2B	-2.39	1.45	1.50
16	x	510	CLA	C3B-C4B	2.39	1.49	1.42
16	u	510	CLA	MG-NB	-2.39	2.01	2.05
16	A	1130	CLA	CMB-C2B	-2.39	1.45	1.50
16	A	1125	CLA	MG-NB	-2.39	2.01	2.05
16	u	509	CLA	MG-NB	-2.39	2.01	2.05
16	y	511	CLA	CHC-C1C	2.39	1.43	1.38
16	A	1126	CLA	C3B-C4B	2.39	1.49	1.42
16	h	511	CLA	C3B-C4B	2.39	1.49	1.42
16	a	1123	CLA	CMB-C2B	-2.39	1.45	1.50
16	H	1126	CLA	CMC-C2C	-2.39	1.45	1.50
16	A	1013	CLA	CMB-C2B	-2.39	1.45	1.50
16	w	517	CLA	C3B-C4B	2.39	1.49	1.42
16	B	1238	CLA	CMB-C2B	-2.39	1.45	1.50
16	Y	506	CLA	CMD-C2D	-2.39	1.45	1.50
16	a	1237	CLA	MG-NB	-2.39	2.01	2.05
16	o	509	CLA	MG-NB	-2.39	2.01	2.05
16	b	1023	CLA	CMD-C2D	-2.39	1.45	1.50
16	a	1112	CLA	C3B-C4B	2.39	1.49	1.42
16	b	1223	CLA	CMD-C2D	-2.39	1.45	1.50
16	a	1118	CLA	CMD-C2D	-2.39	1.45	1.50
16	s	516	CLA	C3B-C4B	2.39	1.49	1.42
16	A	1136	CLA	CMB-C2B	-2.39	1.45	1.50
16	q	511	CLA	CMB-C2B	-2.39	1.45	1.50
16	H	1129	CLA	CMD-C2D	-2.39	1.45	1.50
16	H	1134	CLA	CMB-C2B	-2.39	1.45	1.50
16	b	1023	CLA	CHC-C1C	2.38	1.43	1.38
16	b	1023	CLA	MG-NB	-2.38	2.01	2.05
16	a	1121	CLA	CMD-C2D	-2.38	1.45	1.50
16	B	1238	CLA	CMD-C2D	-2.38	1.45	1.50
16	b	1232	CLA	CMB-C2B	-2.38	1.45	1.50
16	q	506	CLA	CMB-C2B	-2.38	1.45	1.50
16	G	1238	CLA	MG-NB	-2.38	2.01	2.05
16	s	516	CLA	C1B-C2B	2.38	1.48	1.43
16	b	1230	CLA	CMC-C2C	-2.38	1.45	1.50
16	s	502	CLA	CMD-C2D	-2.38	1.45	1.50
16	b	1222	CLA	MG-NB	-2.38	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	A	1131	CLA	CMD-C2D	-2.38	1.45	1.50
16	l	1502	CLA	MG-NB	-2.38	2.01	2.05
16	b	1207	CLA	C1B-C2B	2.38	1.48	1.43
16	q	517	CLA	C3B-C4B	2.38	1.49	1.42
16	H	1123	CLA	CMB-C2B	-2.38	1.45	1.50
16	f	1301	CLA	C1B-C2B	2.38	1.48	1.43
16	b	1230	CLA	CMD-C2D	-2.38	1.45	1.50
16	x	517	CLA	C3B-C4B	2.38	1.49	1.42
16	a	1125	CLA	MG-NB	-2.38	2.01	2.05
16	A	1102	CLA	CHC-C1C	2.38	1.43	1.38
16	w	505	CLA	C3B-C4B	2.38	1.49	1.42
16	G	1202	CLA	C3B-C4B	2.38	1.49	1.42
16	a	1129	CLA	CMD-C2D	-2.38	1.45	1.50
16	A	1103	CLA	CMD-C2D	-2.38	1.45	1.50
16	a	1124	CLA	CHC-C1C	2.38	1.43	1.38
16	l	1502	CLA	C1B-C2B	2.38	1.48	1.43
16	b	1202	CLA	C3B-C4B	2.38	1.49	1.42
16	p	502	CLA	C3B-C4B	2.38	1.49	1.42
16	X	502	CLA	CMD-C2D	-2.38	1.45	1.50
16	H	1130	CLA	CMB-C2B	-2.38	1.45	1.50
16	Y	516	CLA	C3B-C4B	2.38	1.49	1.42
16	G	1220	CLA	C3B-C4B	2.38	1.49	1.42
16	F	1301	CLA	MG-NB	-2.38	2.01	2.05
16	b	1221	CLA	MG-NB	-2.38	2.01	2.05
16	o	517	CLA	C3B-C4B	2.38	1.49	1.42
16	H	1118	CLA	C1B-C2B	2.38	1.48	1.43
16	A	1133	CLA	CMB-C2B	-2.37	1.45	1.50
16	B	1202	CLA	C3B-C4B	2.37	1.49	1.42
16	X	502	CLA	C3B-C4B	2.37	1.49	1.42
16	h	515	CLA	CMD-C2D	-2.37	1.45	1.50
16	A	1140	CLA	C1B-C2B	2.37	1.48	1.43
16	A	1139	CLA	C1B-C2B	2.37	1.48	1.43
16	a	1129	CLA	C1B-C2B	2.37	1.48	1.43
16	u	509	CLA	C1B-C2B	2.37	1.48	1.43
16	U	1502	CLA	CMB-C2B	-2.37	1.45	1.50
16	w	515	CLA	CMD-C2D	-2.37	1.45	1.50
16	Q	1301	CLA	MG-NB	-2.37	2.01	2.05
16	v	511	CLA	C3B-C4B	2.37	1.49	1.42
16	L	1502	CLA	MG-NB	-2.37	2.01	2.05
16	B	1220	CLA	C3B-C4B	2.37	1.49	1.42
16	Y	517	CLA	C3B-C4B	2.37	1.49	1.42
16	G	1238	CLA	CMB-C2B	-2.37	1.45	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	k	1401	CLA	CMD-C2D	-2.37	1.45	1.50
16	A	1119	CLA	MG-NB	-2.37	2.01	2.05
16	A	1013	CLA	C1D-ND	2.37	1.41	1.37
16	B	1236	CLA	C1B-C2B	2.37	1.48	1.43
16	b	1232	CLA	C1B-C2B	2.37	1.48	1.43
16	L	1502	CLA	CMB-C2B	-2.37	1.45	1.50
16	Y	510	CLA	MG-NB	-2.37	2.01	2.05
16	q	505	CLA	C3B-C4B	2.37	1.49	1.42
16	G	1238	CLA	CMD-C2D	-2.37	1.45	1.50
16	g	517	CLA	C3B-C4B	2.37	1.49	1.42
16	H	1119	CLA	MG-NB	-2.37	2.01	2.05
16	a	1122	CLA	C1B-C2B	2.37	1.48	1.43
16	a	1117	CLA	MG-NB	-2.37	2.01	2.05
16	B	1223	CLA	CMD-C2D	-2.37	1.45	1.50
16	G	1023	CLA	CMD-C2D	-2.37	1.45	1.50
16	b	1220	CLA	C3B-C4B	2.37	1.49	1.42
16	v	517	CLA	C3B-C4B	2.37	1.49	1.42
15	a	1011	CL0	MG-ND	-2.37	2.01	2.05
16	r	506	CLA	CMD-C2D	-2.37	1.45	1.50
16	Z	506	CLA	CMB-C2B	-2.36	1.45	1.50
16	y	506	CLA	CMB-C2B	-2.36	1.45	1.50
16	a	1139	CLA	MG-NB	-2.36	2.01	2.05
16	s	515	CLA	MG-NB	-2.36	2.01	2.05
16	G	1211	CLA	CMD-C2D	-2.36	1.45	1.50
16	G	1224	CLA	CMD-C2D	-2.36	1.45	1.50
16	G	1207	CLA	C1B-C2B	2.36	1.48	1.43
16	B	1221	CLA	MG-NB	-2.36	2.01	2.05
16	G	1232	CLA	CMB-C2B	-2.36	1.45	1.50
16	A	1013	CLA	C3B-C4B	2.36	1.49	1.42
16	b	1232	CLA	C3B-C4B	2.36	1.49	1.42
16	B	1232	CLA	C1B-C2B	2.36	1.48	1.43
16	W	509	CLA	CMD-C2D	-2.36	1.45	1.50
16	k	1401	CLA	MG-NB	-2.36	2.01	2.05
16	B	1232	CLA	CMB-C2B	-2.36	1.45	1.50
16	o	510	CLA	MG-NB	-2.36	2.01	2.05
16	f	1301	CLA	MG-NB	-2.36	2.01	2.05
16	G	1220	CLA	CMC-C2C	-2.36	1.45	1.50
16	H	1122	CLA	MG-NB	-2.36	2.01	2.05
16	A	1129	CLA	C1B-C2B	2.36	1.48	1.43
16	t	515	CLA	C3B-C4B	2.36	1.49	1.42
16	G	1232	CLA	C1B-C2B	2.36	1.48	1.43
16	b	1221	CLA	C3B-C4B	2.36	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	x	511	CLA	C3B-C4B	2.36	1.49	1.42
16	a	1118	CLA	C1B-C2B	2.36	1.48	1.43
16	H	1112	CLA	C3B-C4B	2.36	1.49	1.42
16	A	1123	CLA	CMB-C2B	-2.36	1.45	1.50
15	A	1011	CL0	MG-ND	-2.36	2.01	2.05
16	A	1109	CLA	C1B-C2B	2.36	1.48	1.43
16	b	1236	CLA	C1B-C2B	2.36	1.48	1.43
16	A	1129	CLA	CMD-C2D	-2.36	1.45	1.50
16	W	506	CLA	CMD-C2D	-2.36	1.45	1.50
16	a	1103	CLA	CMD-C2D	-2.36	1.45	1.50
16	p	516	CLA	C3B-C4B	2.36	1.49	1.42
16	A	1122	CLA	MG-NB	-2.36	2.01	2.05
16	B	1222	CLA	MG-NB	-2.36	2.01	2.05
16	a	1102	CLA	CHC-C1C	2.36	1.43	1.38
16	H	1129	CLA	C1B-C2B	2.36	1.48	1.43
16	W	511	CLA	C3B-C4B	2.36	1.49	1.42
16	h	508	CLA	C3B-C4B	2.36	1.49	1.42
16	a	1111	CLA	MG-NB	-2.36	2.01	2.05
16	a	1122	CLA	MG-NB	-2.36	2.01	2.05
16	H	1118	CLA	CMD-C2D	-2.36	1.45	1.50
16	B	1224	CLA	CMD-C2D	-2.35	1.45	1.50
16	X	511	CLA	C1B-C2B	2.35	1.48	1.43
16	Y	506	CLA	MG-NB	-2.35	2.01	2.05
16	B	1210	CLA	C4B-NB	2.35	1.41	1.37
16	y	502	CLA	C3B-C4B	2.35	1.49	1.42
16	B	1239	CLA	CMD-C2D	-2.35	1.45	1.50
16	H	1140	CLA	C1B-C2B	2.35	1.48	1.43
16	H	1103	CLA	CMD-C2D	-2.35	1.45	1.50
16	u	503	CLA	CMD-C2D	-2.35	1.45	1.50
16	G	1225	CLA	MG-NB	-2.35	2.01	2.05
16	p	503	CLA	C3B-C4B	2.35	1.49	1.42
16	H	1133	CLA	CMB-C2B	-2.35	1.46	1.50
16	Z	506	CLA	CMD-C2D	-2.35	1.46	1.50
16	Y	505	CLA	C3B-C4B	2.35	1.49	1.42
16	h	517	CLA	C3B-C4B	2.35	1.49	1.42
16	a	1013	CLA	C1D-ND	2.35	1.40	1.37
16	G	1230	CLA	CMD-C2D	-2.35	1.46	1.50
16	n	510	CLA	MG-NB	-2.35	2.01	2.05
16	Z	505	CLA	C3B-C4B	2.35	1.49	1.42
16	a	1138	CLA	C1B-C2B	2.35	1.48	1.43
16	H	1109	CLA	C1B-C2B	2.35	1.48	1.43
16	B	1230	CLA	CMC-C2C	-2.35	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	H	1124	CLA	CHC-C1C	2.35	1.43	1.38
16	A	1111	CLA	MG-NB	-2.35	2.01	2.05
19	g	602	BCR	C1-C6	-2.35	1.50	1.53
16	g	506	CLA	CMC-C2C	-2.35	1.46	1.50
16	b	1210	CLA	C4B-NB	2.35	1.40	1.37
16	b	1220	CLA	CMC-C2C	-2.35	1.46	1.50
16	b	1224	CLA	CMD-C2D	-2.35	1.46	1.50
16	H	1117	CLA	MG-NB	-2.35	2.01	2.05
16	B	1220	CLA	CMC-C2C	-2.35	1.46	1.50
16	G	1222	CLA	MG-NB	-2.35	2.01	2.05
16	H	1022	CLA	C4B-NB	2.35	1.40	1.37
16	X	509	CLA	C1B-C2B	2.35	1.48	1.43
16	X	511	CLA	C3B-C4B	2.35	1.49	1.42
16	b	1231	CLA	CHC-C1C	2.34	1.43	1.38
16	G	1234	CLA	MG-NB	-2.34	2.01	2.05
16	A	1138	CLA	C1B-C2B	2.34	1.48	1.43
16	a	1013	CLA	C3B-C4B	2.34	1.49	1.42
16	G	1221	CLA	C3B-C4B	2.34	1.49	1.42
16	l	1502	CLA	CMB-C2B	-2.34	1.46	1.50
16	A	1112	CLA	C3B-C4B	2.34	1.49	1.42
16	p	509	CLA	MG-NB	-2.34	2.01	2.05
16	G	1232	CLA	C3B-C4B	2.34	1.49	1.42
16	H	1125	CLA	MG-NB	-2.34	2.01	2.05
16	B	1232	CLA	C3B-C4B	2.34	1.49	1.42
13	a	849	LHG	O7-C5	-2.34	1.41	1.46
16	U	1502	CLA	MG-NB	-2.34	2.01	2.05
16	T	1401	CLA	MG-NB	-2.34	2.01	2.05
16	b	1012	CLA	CMB-C2B	-2.34	1.46	1.50
16	A	1124	CLA	CHC-C1C	2.34	1.43	1.38
13	A	849	LHG	O7-C5	-2.34	1.41	1.46
16	a	1138	CLA	MG-NB	-2.34	2.01	2.05
16	Z	514	CLA	C3B-C4B	2.34	1.49	1.42
16	Y	502	CLA	MG-NB	-2.34	2.01	2.05
16	G	1023	CLA	MG-NB	-2.34	2.01	2.05
16	u	502	CLA	MG-NB	-2.34	2.01	2.05
16	A	1013	CLA	CHC-C1C	2.34	1.43	1.38
16	H	1111	CLA	MG-NB	-2.34	2.01	2.05
16	u	511	CLA	C1B-C2B	2.34	1.48	1.43
16	H	1013	CLA	C3B-C4B	2.34	1.49	1.42
16	B	1207	CLA	C1B-C2B	2.34	1.48	1.43
16	B	1023	CLA	MG-NB	-2.34	2.01	2.05
16	b	1012	CLA	MG-ND	-2.34	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	Y	511	CLA	CMC-C2C	-2.34	1.46	1.50
16	o	503	CLA	CMD-C2D	-2.34	1.46	1.50
16	G	1230	CLA	CMC-C2C	-2.34	1.46	1.50
16	s	509	CLA	MG-NB	-2.34	2.01	2.05
16	y	517	CLA	C3B-C4B	2.34	1.49	1.42
16	a	1115	CLA	CMC-C2C	-2.33	1.46	1.50
16	q	516	CLA	CMB-C2B	-2.33	1.46	1.50
16	H	1013	CLA	CHC-C1C	2.33	1.43	1.38
16	B	1227	CLA	CMB-C2B	-2.33	1.46	1.50
16	o	509	CLA	C1B-C2B	2.33	1.48	1.43
16	q	513	CLA	C3B-C4B	2.33	1.49	1.42
16	b	1235	CLA	CMC-C2C	-2.33	1.46	1.50
16	b	1202	CLA	C1B-C2B	2.33	1.48	1.43
16	A	1103	CLA	CMC-C2C	-2.33	1.46	1.50
16	H	1138	CLA	C1B-C2B	2.33	1.48	1.43
16	A	1138	CLA	MG-NB	-2.33	2.01	2.05
16	p	513	CLA	C3B-C4B	2.33	1.49	1.42
16	h	501	CLA	C3B-C4B	2.33	1.49	1.42
19	w	601	BCR	C30-C25	-2.33	1.50	1.53
16	H	1115	CLA	CMC-C2C	-2.33	1.46	1.50
16	h	515	CLA	C3B-C4B	2.33	1.49	1.42
16	G	1210	CLA	C4B-NB	2.33	1.40	1.37
16	H	1237	CLA	CMD-C2D	-2.33	1.46	1.50
16	H	1138	CLA	MG-NB	-2.33	2.01	2.05
16	B	1221	CLA	C3B-C4B	2.33	1.49	1.42
16	A	1121	CLA	CMD-C2D	-2.33	1.46	1.50
16	W	508	CLA	CMD-C2D	-2.33	1.46	1.50
19	H	4007	BCR	C30-C25	-2.33	1.50	1.53
16	B	1235	CLA	CMC-C2C	-2.33	1.46	1.50
16	v	508	CLA	C3B-C4B	2.33	1.49	1.42
16	A	1112	CLA	C1B-C2B	2.33	1.48	1.43
16	a	1109	CLA	C1B-C2B	2.33	1.48	1.43
16	K	1401	CLA	MG-NB	-2.33	2.01	2.05
16	g	513	CLA	C3B-C4B	2.33	1.49	1.42
16	A	1119	CLA	CMB-C2B	-2.33	1.46	1.50
16	U	1502	CLA	CMD-C2D	-2.33	1.46	1.50
16	s	511	CLA	CMC-C2C	-2.33	1.46	1.50
16	H	1119	CLA	C1B-C2B	2.33	1.48	1.43
16	t	510	CLA	MG-NB	-2.33	2.01	2.05
16	o	502	CLA	MG-NB	-2.33	2.01	2.05
16	g	516	CLA	C3B-C4B	2.33	1.49	1.42
16	B	1230	CLA	CMD-C2D	-2.33	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	n	506	CLA	CMD-C2D	-2.33	1.46	1.50
20	L	4101	LMT	O2B-C2B	-2.33	1.37	1.43
16	B	1207	CLA	CMC-C2C	-2.33	1.46	1.50
16	n	517	CLA	C3B-C4B	2.33	1.49	1.42
16	t	511	CLA	C3B-C4B	2.33	1.49	1.42
16	v	501	CLA	C3B-C4B	2.33	1.49	1.42
16	n	508	CLA	C3B-C4B	2.33	1.49	1.42
16	h	513	CLA	C3B-C4B	2.33	1.49	1.42
16	Y	507	CLA	CMB-C2B	-2.32	1.46	1.50
16	W	508	CLA	C3B-C4B	2.32	1.49	1.42
16	a	1013	CLA	CHC-C1C	2.32	1.43	1.38
16	a	1103	CLA	CMC-C2C	-2.32	1.46	1.50
16	L	1502	CLA	CMD-C2D	-2.32	1.46	1.50
16	B	1238	CLA	C1B-C2B	2.32	1.48	1.43
16	A	1139	CLA	MG-NB	-2.32	2.01	2.05
16	o	511	CLA	C1B-C2B	2.32	1.48	1.43
16	a	1237	CLA	CMD-C2D	-2.32	1.46	1.50
16	G	1236	CLA	CMB-C2B	-2.32	1.46	1.50
16	Y	513	CLA	C3B-C4B	2.32	1.49	1.42
16	v	502	CLA	C3B-C4B	2.32	1.49	1.42
20	l	4101	LMT	O2B-C2B	-2.32	1.37	1.43
16	y	516	CLA	C3B-C4B	2.32	1.49	1.42
16	p	506	CLA	MG-NB	-2.32	2.01	2.05
16	s	513	CLA	C3B-C4B	2.32	1.49	1.42
16	B	1239	CLA	MG-NB	-2.32	2.01	2.05
16	b	1230	CLA	MG-NB	-2.32	2.01	2.05
16	s	506	CLA	MG-NB	-2.32	2.01	2.05
16	Y	503	CLA	C3B-C4B	2.32	1.49	1.42
16	x	506	CLA	CMB-C2B	-2.32	1.46	1.50
16	w	516	CLA	MG-NB	-2.32	2.01	2.05
16	B	1236	CLA	CMB-C2B	-2.32	1.46	1.50
16	X	516	CLA	CMB-C2B	-2.32	1.46	1.50
16	q	515	CLA	CMD-C2D	-2.32	1.46	1.50
16	G	1227	CLA	CMB-C2B	-2.32	1.46	1.50
16	b	1226	CLA	CMC-C2C	-2.32	1.46	1.50
16	G	1231	CLA	CHC-C1C	2.32	1.43	1.38
16	t	515	CLA	CHC-C1C	2.32	1.43	1.38
16	a	1125	CLA	CMD-C2D	-2.32	1.46	1.50
13	H	849	LHG	O7-C5	-2.32	1.41	1.46
16	a	1013	CLA	MG-ND	-2.32	2.01	2.05
16	s	503	CLA	C3B-C4B	2.32	1.49	1.42
16	H	1013	CLA	MG-ND	-2.32	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	p	517	CLA	C3B-C4B	2.32	1.49	1.42
16	r	516	CLA	C3B-C4B	2.32	1.49	1.42
16	A	1119	CLA	C1B-C2B	2.32	1.48	1.43
16	b	1227	CLA	CMB-C2B	-2.32	1.46	1.50
16	H	1119	CLA	CMB-C2B	-2.32	1.46	1.50
16	B	1211	CLA	C3B-C4B	2.32	1.49	1.42
16	v	513	CLA	C3B-C4B	2.32	1.49	1.42
16	H	1013	CLA	C1D-ND	2.32	1.40	1.37
16	G	1207	CLA	CMC-C2C	-2.32	1.46	1.50
16	g	506	CLA	MG-NB	-2.32	2.01	2.05
16	G	1228	CLA	MG-NB	-2.32	2.01	2.05
16	b	1201	CLA	C1B-C2B	2.32	1.48	1.43
16	b	1204	CLA	CMD-C2D	-2.31	1.46	1.50
16	H	1109	CLA	CMB-C2B	-2.31	1.46	1.50
16	Z	508	CLA	C3B-C4B	2.31	1.49	1.42
16	r	513	CLA	C3B-C4B	2.31	1.49	1.42
16	a	1132	CLA	CMB-C2B	-2.31	1.46	1.50
16	G	1224	CLA	CMB-C2B	-2.31	1.46	1.50
16	G	1235	CLA	CMC-C2C	-2.31	1.46	1.50
16	p	502	CLA	MG-NB	-2.31	2.01	2.05
16	p	502	CLA	CMD-C2D	-2.31	1.46	1.50
16	p	516	CLA	CMB-C2B	-2.31	1.46	1.50
16	u	516	CLA	CMB-C2B	-2.31	1.46	1.50
16	B	1204	CLA	MG-NB	-2.31	2.01	2.05
16	b	1204	CLA	MG-NB	-2.31	2.01	2.05
20	U	4101	LMT	O2B-C2B	-2.31	1.37	1.43
16	A	1139	CLA	CMD-C2D	-2.31	1.46	1.50
16	p	511	CLA	CMC-C2C	-2.31	1.46	1.50
16	G	1012	CLA	CMB-C2B	-2.31	1.46	1.50
16	X	514	CLA	C3B-C4B	2.31	1.49	1.42
16	n	511	CLA	C3B-C4B	2.31	1.49	1.42
16	Y	509	CLA	MG-NB	-2.31	2.01	2.05
16	b	1239	CLA	MG-NB	-2.31	2.01	2.05
16	p	515	CLA	MG-NB	-2.31	2.01	2.05
16	B	1202	CLA	C1B-C2B	2.31	1.48	1.43
16	H	1121	CLA	CMD-C2D	-2.31	1.46	1.50
16	A	1119	CLA	C3B-C4B	2.31	1.49	1.42
16	o	511	CLA	C3B-C4B	2.31	1.49	1.42
16	a	1112	CLA	C1B-C2B	2.31	1.48	1.43
16	X	502	CLA	MG-NB	-2.31	2.01	2.05
16	B	1204	CLA	CMD-C2D	-2.31	1.46	1.50
16	b	1213	CLA	MG-NB	-2.31	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	q	509	CLA	MG-NB	-2.31	2.01	2.05
16	s	502	CLA	MG-NB	-2.31	2.01	2.05
16	w	508	CLA	C3B-C4B	2.31	1.49	1.42
16	y	508	CLA	C3B-C4B	2.31	1.49	1.42
16	a	1119	CLA	C3B-C4B	2.31	1.49	1.42
16	A	1013	CLA	MG-ND	-2.31	2.01	2.05
16	A	1126	CLA	MG-NB	-2.31	2.01	2.05
16	B	1215	CLA	MG-NB	-2.31	2.01	2.05
16	G	1230	CLA	MG-NB	-2.31	2.01	2.05
16	B	1231	CLA	CHC-C1C	2.31	1.43	1.38
16	H	1139	CLA	MG-NB	-2.31	2.01	2.05
16	B	1201	CLA	C1B-C2B	2.31	1.48	1.43
16	r	502	CLA	C3B-C4B	2.31	1.49	1.42
16	r	505	CLA	C3B-C4B	2.31	1.49	1.42
16	A	1117	CLA	MG-NB	-2.31	2.01	2.05
16	y	511	CLA	C1B-C2B	2.31	1.48	1.43
19	a	4007	BCR	C30-C25	-2.31	1.50	1.53
16	r	511	CLA	C3B-C4B	2.31	1.49	1.42
16	u	503	CLA	C3B-C4B	2.31	1.49	1.42
16	A	1121	CLA	MG-NB	-2.31	2.01	2.05
16	B	1228	CLA	MG-NB	-2.31	2.01	2.05
16	b	1236	CLA	CMB-C2B	-2.31	1.46	1.50
16	g	505	CLA	C3B-C4B	2.31	1.49	1.42
16	G	1202	CLA	C1B-C2B	2.31	1.48	1.43
16	G	1223	CLA	MG-NB	-2.31	2.01	2.05
16	A	1237	CLA	CMD-C2D	-2.31	1.46	1.50
16	X	503	CLA	C3B-C4B	2.31	1.49	1.42
16	H	1132	CLA	C3B-C4B	2.31	1.49	1.42
16	b	1203	CLA	MG-NB	-2.31	2.01	2.05
16	H	1121	CLA	MG-NB	-2.31	2.01	2.05
16	t	513	CLA	C3B-C4B	2.31	1.49	1.42
16	a	1139	CLA	CMD-C2D	-2.31	1.46	1.50
16	H	1103	CLA	CMC-C2C	-2.31	1.46	1.50
19	A	4007	BCR	C30-C25	-2.31	1.50	1.53
16	B	1220	CLA	CHC-C1C	2.31	1.43	1.38
16	H	1112	CLA	C1B-C2B	2.31	1.48	1.43
16	A	1022	CLA	C4B-NB	2.31	1.40	1.37
16	a	1140	CLA	CMB-C2B	-2.31	1.46	1.50
16	u	511	CLA	CMB-C2B	-2.31	1.46	1.50
16	a	1133	CLA	CMB-C2B	-2.31	1.46	1.50
16	u	502	CLA	CMD-C2D	-2.31	1.46	1.50
16	b	1211	CLA	C3B-C4B	2.30	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	a	1013	CLA	CMC-C2C	-2.30	1.46	1.50
16	b	1212	CLA	MG-NB	-2.30	2.01	2.05
16	b	1220	CLA	CHC-C1C	2.30	1.43	1.38
16	B	1012	CLA	MG-ND	-2.30	2.01	2.05
16	g	516	CLA	CMB-C2B	-2.30	1.46	1.50
16	A	1128	CLA	CMC-C2C	-2.30	1.46	1.50
16	g	508	CLA	CMD-C2D	-2.30	1.46	1.50
16	Z	513	CLA	C3B-C4B	2.30	1.49	1.42
16	h	510	CLA	C3B-C4B	2.30	1.49	1.42
16	s	507	CLA	CMB-C2B	-2.30	1.46	1.50
16	a	1119	CLA	MG-NB	-2.30	2.01	2.05
16	G	1215	CLA	MG-NB	-2.30	2.01	2.05
16	G	1226	CLA	MG-ND	-2.30	2.01	2.05
16	A	1117	CLA	CMB-C2B	-2.30	1.46	1.50
16	o	502	CLA	CMD-C2D	-2.30	1.46	1.50
16	o	506	CLA	CMD-C2D	-2.30	1.46	1.50
16	G	1012	CLA	MG-ND	-2.30	2.01	2.05
16	G	1204	CLA	MG-NB	-2.30	2.01	2.05
16	G	1204	CLA	CMD-C2D	-2.30	1.46	1.50
16	B	1223	CLA	MG-NB	-2.30	2.01	2.05
15	a	1011	CL0	C1B-NB	-2.30	1.34	1.37
16	t	506	CLA	CMD-C2D	-2.30	1.46	1.50
16	r	507	CLA	C3B-C4B	2.30	1.49	1.42
16	w	514	CLA	C3B-C4B	2.30	1.49	1.42
16	a	1119	CLA	C1B-C2B	2.30	1.48	1.43
16	b	1238	CLA	C1B-C2B	2.30	1.48	1.43
16	Y	509	CLA	C3B-C4B	2.30	1.49	1.42
16	y	501	CLA	C3B-C4B	2.30	1.49	1.42
16	H	1119	CLA	C3B-C4B	2.30	1.49	1.42
16	b	1207	CLA	CMC-C2C	-2.30	1.46	1.50
16	H	1123	CLA	CMD-C2D	-2.30	1.46	1.50
16	B	1226	CLA	MG-ND	-2.30	2.01	2.05
16	a	1106	CLA	MG-NB	-2.30	2.01	2.05
16	n	515	CLA	C3B-C4B	2.30	1.49	1.42
16	w	501	CLA	C3B-C4B	2.30	1.49	1.42
16	b	1231	CLA	CMD-C2D	-2.30	1.46	1.50
16	G	1222	CLA	CMB-C2B	-2.30	1.46	1.50
16	b	1224	CLA	C1B-C2B	2.30	1.48	1.43
16	p	505	CLA	C3B-C4B	2.30	1.49	1.42
16	B	1226	CLA	CMC-C2C	-2.30	1.46	1.50
16	G	1239	CLA	CMD-C2D	-2.30	1.46	1.50
16	G	1205	CLA	MG-NB	-2.30	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	G	1239	CLA	MG-NB	-2.30	2.01	2.05
16	A	1138	CLA	CMB-C2B	-2.30	1.46	1.50
16	v	515	CLA	C3B-C4B	2.30	1.49	1.42
16	q	516	CLA	MG-NB	-2.30	2.01	2.05
16	g	511	CLA	C3B-C4B	2.30	1.49	1.42
16	X	506	CLA	CMD-C2D	-2.30	1.46	1.50
16	b	1222	CLA	CMB-C2B	-2.30	1.46	1.50
16	A	1115	CLA	CMC-C2C	-2.30	1.46	1.50
16	A	1132	CLA	CMB-C2B	-2.30	1.46	1.50
16	H	1110	CLA	MG-NB	-2.30	2.01	2.05
16	w	511	CLA	CMB-C2B	-2.30	1.46	1.50
16	w	502	CLA	MG-NB	-2.30	2.01	2.05
16	W	503	CLA	C3B-C4B	2.30	1.49	1.42
16	H	1137	CLA	CMD-C2D	-2.30	1.46	1.50
16	H	1139	CLA	CMD-C2D	-2.30	1.46	1.50
16	g	501	CLA	C3B-C4B	2.30	1.49	1.42
16	Z	510	CLA	CMD-C2D	-2.29	1.46	1.50
16	b	1224	CLA	CMB-C2B	-2.29	1.46	1.50
16	B	1012	CLA	CHC-C1C	2.29	1.43	1.38
16	H	1119	CLA	CMC-C2C	-2.29	1.46	1.50
16	q	508	CLA	C3B-C4B	2.29	1.49	1.42
16	A	1137	CLA	CMD-C2D	-2.29	1.46	1.50
16	B	1230	CLA	MG-NB	-2.29	2.01	2.05
16	t	502	CLA	MG-NB	-2.29	2.01	2.05
16	B	1235	CLA	C1B-C2B	2.29	1.48	1.43
16	G	1201	CLA	C1B-C2B	2.29	1.48	1.43
16	A	1114	CLA	C3B-C4B	2.29	1.49	1.42
16	y	515	CLA	C3B-C4B	2.29	1.49	1.42
16	W	502	CLA	CMD-C2D	-2.29	1.46	1.50
16	X	508	CLA	CMD-C2D	-2.29	1.46	1.50
16	a	1109	CLA	CMB-C2B	-2.29	1.46	1.50
16	H	1125	CLA	CMD-C2D	-2.29	1.46	1.50
16	a	1126	CLA	MG-NB	-2.29	2.01	2.05
16	A	1140	CLA	CMB-C2B	-2.29	1.46	1.50
16	X	503	CLA	CMD-C2D	-2.29	1.46	1.50
16	X	511	CLA	CMB-C2B	-2.29	1.46	1.50
16	B	1213	CLA	MG-NB	-2.29	2.01	2.05
16	Z	506	CLA	MG-NB	-2.29	2.01	2.05
16	H	1013	CLA	CMC-C2C	-2.29	1.46	1.50
16	v	509	CLA	C3B-C4B	2.29	1.49	1.42
16	b	1239	CLA	CMD-C2D	-2.29	1.46	1.50
16	W	517	CLA	C3B-C4B	2.29	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	b	1202	CLA	CHC-C1C	2.29	1.43	1.38
16	H	1126	CLA	MG-NB	-2.29	2.01	2.05
16	H	1132	CLA	CMB-C2B	-2.29	1.46	1.50
16	A	1132	CLA	C3B-C4B	2.29	1.49	1.42
16	A	1116	CLA	CMD-C2D	-2.29	1.46	1.50
16	B	1222	CLA	CMB-C2B	-2.29	1.46	1.50
16	H	1114	CLA	C3B-C4B	2.29	1.49	1.42
16	G	1202	CLA	MG-NB	-2.29	2.01	2.05
16	w	512	CLA	MG-NB	-2.29	2.01	2.05
16	g	509	CLA	MG-NB	-2.29	2.01	2.05
16	H	1101	CLA	MG-NB	-2.29	2.01	2.05
16	a	1119	CLA	CMB-C2B	-2.29	1.46	1.50
16	H	1138	CLA	CMB-C2B	-2.29	1.46	1.50
16	w	506	CLA	CMD-C2D	-2.29	1.46	1.50
16	u	511	CLA	MG-NB	-2.29	2.01	2.05
16	A	1013	CLA	CMC-C2C	-2.29	1.46	1.50
16	B	1012	CLA	CMB-C2B	-2.29	1.46	1.50
16	A	1112	CLA	MG-NB	-2.29	2.01	2.05
16	H	1131	CLA	CMB-C2B	-2.29	1.46	1.50
16	t	516	CLA	CMB-C2B	-2.29	1.46	1.50
16	Z	501	CLA	C3B-C4B	2.29	1.49	1.42
16	Z	517	CLA	CHC-C1C	2.29	1.43	1.38
16	r	501	CLA	C3B-C4B	2.29	1.49	1.42
16	b	1215	CLA	MG-NB	-2.29	2.01	2.05
16	G	1212	CLA	MG-NB	-2.29	2.01	2.05
16	B	1211	CLA	CHC-C1C	2.29	1.43	1.38
16	G	1220	CLA	CHC-C1C	2.29	1.43	1.38
16	H	1109	CLA	CMD-C2D	-2.29	1.46	1.50
16	y	512	CLA	C3B-C4B	2.29	1.49	1.42
16	A	1123	CLA	MG-NB	-2.29	2.01	2.05
16	o	503	CLA	C3B-C4B	2.29	1.49	1.42
16	b	1211	CLA	CHC-C1C	2.29	1.43	1.38
16	H	1115	CLA	C3B-C4B	2.29	1.49	1.42
16	y	513	CLA	C3B-C4B	2.29	1.49	1.42
16	G	1228	CLA	CMC-C2C	-2.29	1.46	1.50
16	b	1209	CLA	C3B-C4B	2.29	1.49	1.42
16	a	1101	CLA	MG-NB	-2.29	2.01	2.05
16	q	514	CLA	C3B-C4B	2.29	1.49	1.42
16	h	511	CLA	CMB-C2B	-2.28	1.46	1.50
16	G	1206	CLA	CMC-C2C	-2.28	1.46	1.50
16	b	1205	CLA	CMC-C2C	-2.28	1.46	1.50
16	G	1228	CLA	CMB-C2B	-2.28	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	v	515	CLA	CMD-C2D	-2.28	1.46	1.50
16	A	1132	CLA	MG-NB	-2.28	2.01	2.05
16	Z	512	CLA	MG-NB	-2.28	2.01	2.05
16	W	513	CLA	C3B-C4B	2.28	1.49	1.42
16	p	510	CLA	MG-NB	-2.28	2.01	2.05
16	h	512	CLA	C3B-C4B	2.28	1.49	1.42
16	G	1224	CLA	C1B-C2B	2.28	1.48	1.43
16	W	504	CLA	C3B-C4B	2.28	1.49	1.42
16	b	1215	CLA	C3B-C4B	2.28	1.49	1.42
16	b	1218	CLA	C3B-C4B	2.28	1.49	1.42
16	H	1106	CLA	MG-NB	-2.28	2.01	2.05
16	G	1235	CLA	C1B-C2B	2.28	1.48	1.43
16	a	1022	CLA	C4B-NB	2.28	1.40	1.37
16	H	1106	CLA	CHC-C1C	2.28	1.43	1.38
16	x	513	CLA	C3B-C4B	2.28	1.49	1.42
16	a	1136	CLA	C3B-C4B	2.28	1.49	1.42
16	t	517	CLA	C3B-C4B	2.28	1.49	1.42
16	G	1221	CLA	CHC-C1C	2.28	1.43	1.38
16	q	502	CLA	MG-NB	-2.28	2.01	2.05
14	p	701	LMG	O7-C8	-2.28	1.41	1.46
16	H	1109	CLA	CMC-C2C	-2.28	1.46	1.50
16	X	517	CLA	CHC-C1C	2.28	1.43	1.38
16	a	1114	CLA	C3B-C4B	2.28	1.49	1.42
16	G	1211	CLA	C3B-C4B	2.28	1.49	1.42
16	g	515	CLA	CMD-C2D	-2.28	1.46	1.50
16	a	1121	CLA	MG-NB	-2.28	2.01	2.05
16	n	502	CLA	MG-NB	-2.28	2.01	2.05
16	o	512	CLA	CMD-C2D	-2.28	1.46	1.50
16	v	511	CLA	CMB-C2B	-2.28	1.46	1.50
16	h	509	CLA	C3B-C4B	2.28	1.49	1.42
16	u	501	CLA	C3B-C4B	2.28	1.49	1.42
16	G	1205	CLA	CMC-C2C	-2.28	1.46	1.50
16	G	1234	CLA	CMB-C2B	-2.28	1.46	1.50
16	b	1206	CLA	CMC-C2C	-2.28	1.46	1.50
16	X	501	CLA	C3B-C4B	2.28	1.49	1.42
16	S	1302	CLA	C3B-C4B	2.28	1.49	1.42
16	a	1106	CLA	CHC-C1C	2.28	1.43	1.38
16	b	1226	CLA	MG-ND	-2.28	2.01	2.05
16	H	1112	CLA	MG-NB	-2.28	2.01	2.05
16	u	514	CLA	C3B-C4B	2.28	1.49	1.42
16	n	513	CLA	C3B-C4B	2.28	1.49	1.42
16	p	509	CLA	C3B-C4B	2.28	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	x	501	CLA	C3B-C4B	2.28	1.49	1.42
16	w	503	CLA	MG-NB	-2.28	2.01	2.05
16	b	1223	CLA	CMB-C2B	-2.28	1.46	1.50
16	b	1228	CLA	CMC-C2C	-2.28	1.46	1.50
16	G	1207	CLA	CMD-C2D	-2.28	1.46	1.50
16	A	1402	CLA	C3B-C4B	2.28	1.49	1.42
16	o	516	CLA	C3B-C4B	2.28	1.49	1.42
16	A	1109	CLA	MG-NB	-2.28	2.01	2.05
16	B	1205	CLA	CMC-C2C	-2.28	1.46	1.50
16	g	502	CLA	C3B-C4B	2.28	1.49	1.42
16	L	1503	CLA	MG-NB	-2.28	2.01	2.05
16	H	1140	CLA	CMB-C2B	-2.28	1.46	1.50
16	A	1101	CLA	MG-NB	-2.28	2.01	2.05
16	u	516	CLA	C3B-C4B	2.28	1.49	1.42
16	s	517	CLA	C3B-C4B	2.28	1.49	1.42
16	b	1223	CLA	MG-NB	-2.28	2.01	2.05
16	l	1502	CLA	CMD-C2D	-2.28	1.46	1.50
16	v	505	CLA	C3B-C4B	2.28	1.49	1.42
16	W	502	CLA	MG-NB	-2.28	2.01	2.05
16	X	506	CLA	MG-NB	-2.28	2.01	2.05
16	A	1125	CLA	CMD-C2D	-2.27	1.46	1.50
16	B	1228	CLA	CMC-C2C	-2.27	1.46	1.50
16	b	1012	CLA	CHC-C1C	2.27	1.43	1.38
16	x	516	CLA	MG-NB	-2.27	2.01	2.05
16	H	1116	CLA	CMB-C2B	-2.27	1.46	1.50
16	G	1238	CLA	C1B-C2B	2.27	1.48	1.43
16	B	1202	CLA	MG-NB	-2.27	2.01	2.05
16	a	1128	CLA	CMC-C2C	-2.27	1.46	1.50
16	a	1129	CLA	CMB-C2B	-2.27	1.46	1.50
16	B	1229	CLA	CMB-C2B	-2.27	1.46	1.50
16	a	1116	CLA	CMD-C2D	-2.27	1.46	1.50
16	q	506	CLA	CMD-C2D	-2.27	1.46	1.50
16	l	1501	CLA	MG-NB	-2.27	2.01	2.05
16	G	1203	CLA	MG-NB	-2.27	2.01	2.05
16	U	1501	CLA	MG-NB	-2.27	2.01	2.05
16	g	503	CLA	C3B-C4B	2.27	1.49	1.42
16	a	1115	CLA	C3B-C4B	2.27	1.49	1.42
16	o	512	CLA	CMB-C2B	-2.27	1.46	1.50
16	Y	515	CLA	MG-NB	-2.27	2.01	2.05
16	t	503	CLA	MG-NB	-2.27	2.01	2.05
16	a	1116	CLA	CMB-C2B	-2.27	1.46	1.50
16	G	1206	CLA	CMD-C2D	-2.27	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	G	1226	CLA	CMC-C2C	-2.27	1.46	1.50
16	r	515	CLA	MG-NB	-2.27	2.01	2.05
16	B	1206	CLA	C1B-C2B	2.27	1.48	1.43
16	a	1117	CLA	CMB-C2B	-2.27	1.46	1.50
16	H	1129	CLA	CMB-C2B	-2.27	1.46	1.50
16	Z	510	CLA	MG-NB	-2.27	2.01	2.05
16	b	1228	CLA	MG-NB	-2.27	2.01	2.05
16	A	1115	CLA	C3B-C4B	2.27	1.49	1.42
16	A	1136	CLA	C3B-C4B	2.27	1.49	1.42
16	A	1109	CLA	CMB-C2B	-2.27	1.46	1.50
16	G	1223	CLA	CMB-C2B	-2.27	1.46	1.50
16	A	1127	CLA	MG-ND	-2.27	2.01	2.05
16	X	512	CLA	MG-NB	-2.27	2.01	2.05
16	H	1105	CLA	MG-NB	-2.27	2.01	2.05
16	u	515	CLA	MG-NB	-2.27	2.01	2.05
16	a	1119	CLA	CMC-C2C	-2.27	1.46	1.50
16	B	1212	CLA	MG-NB	-2.27	2.01	2.05
16	y	510	CLA	MG-NB	-2.27	2.01	2.05
16	n	512	CLA	C3B-C4B	2.27	1.49	1.42
16	X	512	CLA	CMD-C2D	-2.27	1.46	1.50
16	Y	509	CLA	CMD-C2D	-2.27	1.46	1.50
16	a	1107	CLA	CMB-C2B	-2.27	1.46	1.50
16	o	512	CLA	MG-NB	-2.27	2.01	2.05
16	G	1206	CLA	C1B-NB	-2.27	1.34	1.37
16	G	1012	CLA	CHC-C1C	2.27	1.43	1.38
16	A	1112	CLA	CMD-C2D	-2.27	1.46	1.50
16	A	1119	CLA	CMC-C2C	-2.27	1.46	1.50
16	A	1123	CLA	CMD-C2D	-2.27	1.46	1.50
16	Z	508	CLA	CMD-C2D	-2.27	1.46	1.50
16	p	509	CLA	CMD-C2D	-2.27	1.46	1.50
16	H	1117	CLA	CMB-C2B	-2.27	1.46	1.50
16	J	1302	CLA	C3B-C4B	2.27	1.49	1.42
16	B	1221	CLA	CMC-C2C	-2.27	1.46	1.50
16	o	514	CLA	C3B-C4B	2.27	1.49	1.42
16	a	1123	CLA	CMD-C2D	-2.27	1.46	1.50
16	a	1133	CLA	MG-NB	-2.27	2.01	2.05
16	l	1503	CLA	MG-NB	-2.27	2.01	2.05
16	H	1133	CLA	MG-NB	-2.27	2.01	2.05
16	U	1503	CLA	MG-NB	-2.27	2.01	2.05
16	G	1209	CLA	C3B-C4B	2.27	1.49	1.42
16	a	1109	CLA	CMD-C2D	-2.27	1.46	1.50
16	h	506	CLA	CMB-C2B	-2.27	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	t	515	CLA	MG-NB	-2.27	2.01	2.05
16	b	1207	CLA	CMB-C2B	-2.27	1.46	1.50
16	q	511	CLA	CMC-C2C	-2.27	1.46	1.50
16	t	509	CLA	C3B-C4B	2.27	1.49	1.42
16	B	1221	CLA	C1B-C2B	2.27	1.48	1.43
16	A	1139	CLA	C3B-C4B	2.27	1.49	1.42
16	t	516	CLA	C3B-C4B	2.27	1.49	1.42
16	o	516	CLA	CMB-C2B	-2.27	1.46	1.50
16	r	510	CLA	C3B-C4B	2.27	1.49	1.42
16	B	1210	CLA	MG-NB	-2.27	2.01	2.05
16	L	1501	CLA	MG-NB	-2.27	2.01	2.05
16	b	1202	CLA	MG-NB	-2.27	2.01	2.05
16	H	1116	CLA	CMD-C2D	-2.27	1.46	1.50
16	o	511	CLA	MG-NB	-2.27	2.01	2.05
16	G	1213	CLA	MG-NB	-2.27	2.01	2.05
16	u	517	CLA	CHC-C1C	2.27	1.43	1.38
16	a	1132	CLA	C3B-C4B	2.27	1.49	1.42
16	A	1116	CLA	CMB-C2B	-2.27	1.46	1.50
16	B	1223	CLA	CMB-C2B	-2.27	1.46	1.50
16	B	1207	CLA	CMB-C2B	-2.26	1.46	1.50
16	b	1207	CLA	CMD-C2D	-2.26	1.46	1.50
16	o	501	CLA	C3B-C4B	2.26	1.49	1.42
16	v	503	CLA	C3B-C4B	2.26	1.49	1.42
16	B	1224	CLA	C1B-C2B	2.26	1.48	1.43
16	b	1235	CLA	C1B-C2B	2.26	1.48	1.43
16	a	1127	CLA	MG-ND	-2.26	2.01	2.05
16	x	516	CLA	C3B-C4B	2.26	1.49	1.42
16	b	1229	CLA	CMB-C2B	-2.26	1.46	1.50
16	G	1215	CLA	CMD-C2D	-2.26	1.46	1.50
16	G	1215	CLA	C3B-C4B	2.26	1.49	1.42
16	a	1123	CLA	MG-NB	-2.26	2.01	2.05
16	G	1229	CLA	MG-NB	-2.26	2.01	2.05
16	q	504	CLA	C3B-C4B	2.26	1.49	1.42
16	s	505	CLA	C3B-C4B	2.26	1.49	1.42
16	b	1221	CLA	CHC-C1C	2.26	1.43	1.38
16	q	517	CLA	CHC-C1C	2.26	1.43	1.38
16	A	1131	CLA	CMB-C2B	-2.26	1.46	1.50
16	p	511	CLA	C3B-C4B	2.26	1.49	1.42
16	B	1205	CLA	MG-NB	-2.26	2.01	2.05
16	o	517	CLA	MG-NB	-2.26	2.01	2.05
16	w	510	CLA	MG-NB	-2.26	2.01	2.05
16	W	507	CLA	CHC-C1C	2.26	1.43	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	H	1112	CLA	CHC-C1C	2.26	1.43	1.38
16	B	1231	CLA	CMD-C2D	-2.26	1.46	1.50
16	b	1229	CLA	C3B-C4B	2.26	1.49	1.42
16	G	1229	CLA	C3B-C4B	2.26	1.49	1.42
16	x	503	CLA	C3B-C4B	2.26	1.49	1.42
16	a	1137	CLA	CMD-C2D	-2.26	1.46	1.50
16	g	508	CLA	C3B-C4B	2.26	1.49	1.42
16	H	1136	CLA	C3B-C4B	2.26	1.49	1.42
16	w	511	CLA	CMC-C2C	-2.26	1.46	1.50
16	a	1134	CLA	C3B-C4B	2.26	1.49	1.42
16	b	1206	CLA	C1B-C2B	2.26	1.48	1.43
16	n	509	CLA	C3B-C4B	2.26	1.49	1.42
16	o	517	CLA	CHC-C1C	2.26	1.43	1.38
16	B	1215	CLA	C3B-C4B	2.26	1.49	1.42
16	a	1110	CLA	MG-NB	-2.26	2.01	2.05
16	x	515	CLA	MG-NB	-2.26	2.01	2.05
16	a	1110	CLA	CMD-C2D	-2.26	1.46	1.50
16	q	501	CLA	C3B-C4B	2.26	1.49	1.42
16	u	511	CLA	C3B-C4B	2.26	1.49	1.42
16	W	505	CLA	C3B-C4B	2.26	1.49	1.42
16	o	509	CLA	C3B-C4B	2.26	1.49	1.42
16	q	509	CLA	C3B-C4B	2.26	1.49	1.42
16	X	507	CLA	CMB-C2B	-2.26	1.46	1.50
16	H	1124	CLA	CMB-C2B	-2.26	1.46	1.50
16	u	512	CLA	CMD-C2D	-2.26	1.46	1.50
16	x	514	CLA	CMD-C2D	-2.26	1.46	1.50
16	B	1221	CLA	CHC-C1C	2.26	1.43	1.38
16	h	505	CLA	C3B-C4B	2.26	1.49	1.42
16	a	1134	CLA	MG-NB	-2.26	2.01	2.05
16	Z	509	CLA	C3B-C4B	2.26	1.49	1.42
16	Y	508	CLA	C3B-C4B	2.26	1.49	1.42
16	B	1208	CLA	MG-NB	-2.26	2.01	2.05
16	n	515	CLA	CHC-C1C	2.26	1.43	1.38
16	B	1209	CLA	C3B-C4B	2.26	1.49	1.42
16	A	1126	CLA	CMD-C2D	-2.26	1.46	1.50
16	X	509	CLA	CMB-C2B	-2.26	1.46	1.50
16	b	1220	CLA	CMD-C2D	-2.26	1.46	1.50
16	w	510	CLA	CMD-C2D	-2.26	1.46	1.50
16	b	1227	CLA	MG-NB	-2.26	2.01	2.05
16	t	501	CLA	C3B-C4B	2.26	1.49	1.42
16	a	1126	CLA	CMD-C2D	-2.26	1.46	1.50
16	W	509	CLA	C3B-C4B	2.26	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	u	502	CLA	C3B-C4B	2.26	1.49	1.42
16	B	1224	CLA	CMB-C2B	-2.26	1.46	1.50
16	w	509	CLA	C3B-C4B	2.26	1.49	1.42
16	x	505	CLA	C3B-C4B	2.26	1.49	1.42
16	v	512	CLA	C3B-C4B	2.26	1.49	1.42
16	G	1206	CLA	C1B-C2B	2.26	1.48	1.43
16	o	507	CLA	MG-NB	-2.26	2.01	2.05
16	q	503	CLA	MG-NB	-2.26	2.01	2.05
16	u	507	CLA	MG-NB	-2.26	2.01	2.05
16	s	507	CLA	MG-NB	-2.26	2.01	2.05
16	y	510	CLA	C3B-C4B	2.26	1.49	1.42
16	H	1402	CLA	C3B-C4B	2.26	1.49	1.42
16	b	1201	CLA	CMD-C2D	-2.25	1.46	1.50
16	l	1503	CLA	CMC-C2C	-2.25	1.46	1.50
16	H	1105	CLA	CMB-C2B	-2.25	1.46	1.50
16	B	1229	CLA	MG-NB	-2.25	2.01	2.05
16	h	514	CLA	C3B-C4B	2.25	1.49	1.42
16	L	1503	CLA	CMC-C2C	-2.25	1.46	1.50
16	H	1128	CLA	CMD-C2D	-2.25	1.46	1.50
16	b	1210	CLA	MG-NB	-2.25	2.01	2.05
16	w	517	CLA	CHC-C1C	2.25	1.43	1.38
16	F	1301	CLA	CMB-C2B	-2.25	1.46	1.50
16	G	1202	CLA	CHC-C1C	2.25	1.43	1.38
16	Z	512	CLA	C3B-C4B	2.25	1.49	1.42
16	g	515	CLA	C3B-C4B	2.25	1.49	1.42
16	Z	511	CLA	CMC-C2C	-2.25	1.46	1.50
16	G	1201	CLA	CMD-C2D	-2.25	1.46	1.50
16	a	1132	CLA	MG-NB	-2.25	2.01	2.05
16	s	509	CLA	C3B-C4B	2.25	1.49	1.42
16	j	1302	CLA	C3B-C4B	2.25	1.49	1.42
16	A	1109	CLA	CMD-C2D	-2.25	1.46	1.50
16	o	511	CLA	CMB-C2B	-2.25	1.46	1.50
16	h	516	CLA	CMB-C2B	-2.25	1.46	1.50
16	B	1203	CLA	MG-NB	-2.25	2.01	2.05
16	p	511	CLA	MG-NB	-2.25	2.01	2.05
16	H	1123	CLA	MG-NB	-2.25	2.01	2.05
16	w	506	CLA	MG-NB	-2.25	2.01	2.05
14	A	4101	LMG	O7-C8	-2.25	1.41	1.46
16	G	1207	CLA	CMB-C2B	-2.25	1.46	1.50
16	U	1503	CLA	CMC-C2C	-2.25	1.46	1.50
16	w	504	CLA	C3B-C4B	2.25	1.49	1.42
16	H	1128	CLA	CMC-C2C	-2.25	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	A	1113	CLA	C3B-C4B	2.25	1.49	1.42
16	r	514	CLA	C3B-C4B	2.25	1.49	1.42
16	h	503	CLA	C3B-C4B	2.25	1.49	1.42
16	Y	512	CLA	MG-NB	-2.25	2.01	2.05
16	s	516	CLA	CMB-C2B	-2.25	1.46	1.50
16	Z	504	CLA	C3B-C4B	2.25	1.49	1.42
16	A	1134	CLA	C3B-C4B	2.25	1.49	1.42
16	o	505	CLA	CMB-C2B	-2.25	1.46	1.50
16	H	1113	CLA	C3B-C4B	2.25	1.49	1.42
16	B	1202	CLA	CHC-C1C	2.25	1.43	1.38
16	A	1103	CLA	MG-NB	-2.25	2.01	2.05
16	o	502	CLA	CMB-C2B	-2.25	1.46	1.50
16	H	1130	CLA	CMD-C2D	-2.25	1.46	1.50
16	y	509	CLA	C3B-C4B	2.25	1.49	1.42
16	W	515	CLA	MG-NB	-2.25	2.01	2.05
16	a	1402	CLA	C3B-C4B	2.25	1.49	1.42
16	a	1131	CLA	CMB-C2B	-2.25	1.46	1.50
16	q	507	CLA	CMB-C2B	-2.25	1.46	1.50
16	Z	503	CLA	MG-NB	-2.25	2.01	2.05
16	v	514	CLA	C3B-C4B	2.25	1.49	1.42
16	B	1221	CLA	CMB-C2B	-2.25	1.46	1.50
16	B	1218	CLA	C3B-C4B	2.25	1.49	1.42
16	f	1301	CLA	C3B-C4B	2.25	1.49	1.42
16	g	515	CLA	MG-NB	-2.25	2.01	2.05
16	b	1215	CLA	CMD-C2D	-2.25	1.46	1.50
16	u	502	CLA	CMB-C2B	-2.25	1.46	1.50
16	A	1105	CLA	MG-NB	-2.25	2.01	2.05
16	j	1303	CLA	C3B-C4B	2.25	1.49	1.42
16	A	1106	CLA	CHC-C1C	2.25	1.43	1.38
16	a	1112	CLA	MG-NB	-2.25	2.01	2.05
16	s	509	CLA	CMD-C2D	-2.25	1.46	1.50
16	B	1229	CLA	C3B-C4B	2.25	1.49	1.42
16	X	516	CLA	C3B-C4B	2.25	1.49	1.42
16	q	510	CLA	C3B-C4B	2.25	1.49	1.42
16	b	1208	CLA	MG-NB	-2.25	2.01	2.05
16	n	516	CLA	C3B-C4B	2.25	1.49	1.42
16	a	1136	CLA	C1B-C2B	2.25	1.48	1.43
16	r	504	CLA	C3B-C4B	2.25	1.49	1.42
14	H	4201	LMG	O7-C8	-2.25	1.41	1.46
16	a	1140	CLA	CMD-C2D	-2.25	1.46	1.50
16	A	1114	CLA	MG-NB	-2.25	2.01	2.05
16	o	515	CLA	MG-NB	-2.25	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	G	1220	CLA	CMD-C2D	-2.25	1.46	1.50
16	G	1210	CLA	MG-NB	-2.24	2.01	2.05
16	Q	1302	CLA	CHC-C1C	2.24	1.42	1.38
16	A	1111	CLA	CMB-C2B	-2.24	1.46	1.50
16	A	1129	CLA	CMB-C2B	-2.24	1.46	1.50
16	b	1228	CLA	CMB-C2B	-2.24	1.46	1.50
16	G	1229	CLA	CMB-C2B	-2.24	1.46	1.50
14	A	4201	LMG	O7-C8	-2.24	1.41	1.46
16	v	516	CLA	C3B-C4B	2.24	1.49	1.42
16	x	517	CLA	CHC-C1C	2.24	1.43	1.38
16	B	1217	CLA	CMD-C2D	-2.24	1.46	1.50
16	v	502	CLA	MG-NB	-2.24	2.01	2.05
16	r	503	CLA	C3B-C4B	2.24	1.49	1.42
16	G	1221	CLA	C1B-C2B	2.24	1.48	1.43
16	W	515	CLA	C3B-C4B	2.24	1.49	1.42
16	r	515	CLA	C3B-C4B	2.24	1.49	1.42
16	a	1109	CLA	CMC-C2C	-2.24	1.46	1.50
16	H	1107	CLA	CMB-C2B	-2.24	1.46	1.50
16	q	512	CLA	MG-NB	-2.24	2.01	2.05
14	a	4201	LMG	O7-C8	-2.24	1.41	1.46
16	G	1211	CLA	CHC-C1C	2.24	1.43	1.38
16	h	502	CLA	CMD-C2D	-2.24	1.46	1.50
16	H	1126	CLA	CMD-C2D	-2.24	1.46	1.50
16	Z	506	CLA	C3B-C4B	2.24	1.49	1.42
16	w	515	CLA	C3B-C4B	2.24	1.49	1.42
16	a	1130	CLA	MG-ND	-2.24	2.01	2.05
16	s	510	CLA	MG-NB	-2.24	2.01	2.05
16	W	517	CLA	CHC-C1C	2.24	1.43	1.38
16	B	1220	CLA	CMD-C2D	-2.24	1.46	1.50
16	y	502	CLA	CMD-C2D	-2.24	1.46	1.50
16	b	1206	CLA	CMD-C2D	-2.24	1.46	1.50
16	p	507	CLA	MG-NB	-2.24	2.01	2.05
16	H	1139	CLA	C3B-C4B	2.24	1.49	1.42
16	b	1222	CLA	C1B-C2B	2.24	1.48	1.43
16	G	1202	CLA	CMD-C2D	-2.24	1.46	1.50
16	Q	1301	CLA	CMB-C2B	-2.24	1.46	1.50
16	A	1110	CLA	C3B-C4B	2.24	1.49	1.42
16	w	512	CLA	C3B-C4B	2.24	1.49	1.42
16	A	1134	CLA	MG-NB	-2.24	2.01	2.05
16	f	1302	CLA	CHC-C1C	2.24	1.42	1.38
16	W	516	CLA	C3B-C4B	2.24	1.49	1.42
16	n	510	CLA	CMD-C2D	-2.24	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	H	1140	CLA	CMD-C2D	-2.24	1.46	1.50
16	G	1221	CLA	CMC-C2C	-2.24	1.46	1.50
16	r	517	CLA	CHC-C1C	2.24	1.43	1.38
16	H	1134	CLA	C3B-C4B	2.24	1.49	1.42
15	A	1011	CL0	C1B-NB	-2.24	1.34	1.37
16	Q	1301	CLA	C3B-C4B	2.24	1.49	1.42
16	p	512	CLA	MG-NB	-2.24	2.01	2.05
14	a	4101	LMG	O7-C8	-2.24	1.41	1.46
16	n	501	CLA	C3B-C4B	2.24	1.49	1.42
16	n	504	CLA	C3B-C4B	2.24	1.49	1.42
16	y	507	CLA	MG-NB	-2.24	2.01	2.05
16	x	506	CLA	MG-NB	-2.24	2.01	2.05
16	v	507	CLA	MG-NB	-2.24	2.01	2.05
16	A	1109	CLA	CMC-C2C	-2.24	1.46	1.50
16	s	508	CLA	C3B-C4B	2.24	1.49	1.42
16	x	515	CLA	C3B-C4B	2.24	1.49	1.42
16	W	501	CLA	MG-NB	-2.24	2.01	2.05
16	Y	507	CLA	MG-NB	-2.24	2.01	2.05
16	v	507	CLA	C3B-C4B	2.24	1.49	1.42
16	B	1207	CLA	CMD-C2D	-2.24	1.46	1.50
16	n	511	CLA	CMB-C2B	-2.24	1.46	1.50
16	y	516	CLA	CHC-C1C	2.24	1.43	1.38
16	v	508	CLA	CHC-C1C	2.24	1.43	1.38
16	A	1106	CLA	MG-NB	-2.24	2.01	2.05
16	W	502	CLA	C3B-C4B	2.24	1.49	1.42
16	g	507	CLA	C3B-C4B	2.24	1.49	1.42
16	H	1110	CLA	C3B-C4B	2.24	1.49	1.42
16	W	504	CLA	MG-NB	-2.24	2.01	2.05
16	h	516	CLA	MG-NB	-2.24	2.01	2.05
16	X	513	CLA	C3B-C4B	2.24	1.49	1.42
16	u	509	CLA	C3B-C4B	2.24	1.49	1.42
16	r	509	CLA	MG-NB	-2.24	2.01	2.05
16	w	504	CLA	MG-NB	-2.24	2.01	2.05
16	t	507	CLA	C3B-C4B	2.24	1.49	1.42
16	X	514	CLA	CHC-C1C	2.24	1.43	1.38
16	a	1112	CLA	CHC-C1C	2.24	1.43	1.38
16	A	1105	CLA	CMB-C2B	-2.24	1.46	1.50
16	r	512	CLA	C3B-C4B	2.24	1.49	1.42
16	X	504	CLA	C3B-C4B	2.24	1.49	1.42
16	u	509	CLA	CMD-C2D	-2.24	1.46	1.50
16	G	1208	CLA	MG-NB	-2.24	2.01	2.05
16	x	509	CLA	MG-NB	-2.24	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	W	507	CLA	C3B-C4B	2.24	1.49	1.42
16	Y	514	CLA	C3B-C4B	2.24	1.49	1.42
16	Z	511	CLA	C3B-C4B	2.24	1.49	1.42
16	G	1218	CLA	C3B-C4B	2.24	1.49	1.42
16	b	1217	CLA	CHC-C1C	2.24	1.43	1.38
16	h	508	CLA	CHC-C1C	2.24	1.43	1.38
16	a	1105	CLA	MG-NB	-2.24	2.01	2.05
15	H	1011	CL0	C1B-NB	-2.24	1.34	1.37
16	A	1138	CLA	CMC-C2C	-2.23	1.46	1.50
16	B	1234	CLA	CMB-C2B	-2.23	1.46	1.50
16	g	511	CLA	CHC-C1C	2.23	1.43	1.38
16	y	517	CLA	CHC-C1C	2.23	1.43	1.38
16	B	1219	CLA	MG-NB	-2.23	2.01	2.05
16	v	509	CLA	MG-NB	-2.23	2.01	2.05
16	Z	503	CLA	CMD-C2D	-2.23	1.46	1.50
16	q	515	CLA	C3B-C4B	2.23	1.49	1.42
16	r	508	CLA	C3B-C4B	2.23	1.49	1.42
16	W	509	CLA	MG-NB	-2.23	2.01	2.05
16	t	504	CLA	C3B-C4B	2.23	1.49	1.42
16	B	1206	CLA	CMD-C2D	-2.23	1.46	1.50
16	p	506	CLA	CMD-C2D	-2.23	1.46	1.50
19	A	4007	BCR	C33-C5	-2.23	1.47	1.50
16	J	1303	CLA	C3B-C4B	2.23	1.49	1.42
16	x	508	CLA	C3B-C4B	2.23	1.49	1.42
16	l	1501	CLA	CMB-C2B	-2.23	1.46	1.50
16	n	502	CLA	CMD-C2D	-2.23	1.46	1.50
16	o	514	CLA	CHC-C1C	2.23	1.43	1.38
16	a	1801	CLA	C3B-C4B	2.23	1.49	1.42
16	o	513	CLA	C3B-C4B	2.23	1.49	1.42
16	G	1213	CLA	C3B-C4B	2.23	1.49	1.42
16	v	510	CLA	C3B-C4B	2.23	1.49	1.42
16	A	1110	CLA	MG-NB	-2.23	2.01	2.05
16	b	1205	CLA	MG-NB	-2.23	2.01	2.05
16	b	1219	CLA	MG-NB	-2.23	2.01	2.05
16	H	1127	CLA	MG-ND	-2.23	2.01	2.05
16	u	512	CLA	MG-NB	-2.23	2.01	2.05
16	y	503	CLA	C3B-C4B	2.23	1.49	1.42
14	Y	701	LMG	O7-C8	-2.23	1.41	1.46
16	B	1023	CLA	MG-ND	-2.23	2.01	2.05
16	J	1303	CLA	MG-NB	-2.23	2.01	2.05
16	X	515	CLA	MG-NB	-2.23	2.01	2.05
16	s	511	CLA	MG-NB	-2.23	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
19	H	4007	BCR	C33-C5	-2.23	1.47	1.50
16	a	1113	CLA	C3B-C4B	2.23	1.49	1.42
16	X	505	CLA	CMB-C2B	-2.23	1.46	1.50
16	x	502	CLA	C3B-C4B	2.23	1.49	1.42
16	x	511	CLA	CHC-C1C	2.23	1.43	1.38
16	h	509	CLA	MG-NB	-2.23	2.01	2.05
16	s	503	CLA	MG-NB	-2.23	2.01	2.05
16	A	1022	CLA	CMD-C2D	-2.23	1.46	1.50
16	X	512	CLA	CMB-C2B	-2.23	1.46	1.50
16	o	502	CLA	C3B-C4B	2.23	1.49	1.42
16	w	510	CLA	C3B-C4B	2.23	1.49	1.42
16	A	1133	CLA	MG-NB	-2.23	2.01	2.05
16	X	507	CLA	MG-NB	-2.23	2.01	2.05
16	A	1122	CLA	CMB-C2B	-2.23	1.46	1.50
16	B	1206	CLA	CMC-C2C	-2.23	1.46	1.50
16	G	1231	CLA	CMD-C2D	-2.23	1.46	1.50
16	u	503	CLA	CMC-C2C	-2.23	1.46	1.50
16	g	504	CLA	C3B-C4B	2.23	1.49	1.42
16	G	1229	CLA	CHC-C1C	2.23	1.43	1.38
16	H	1132	CLA	MG-NB	-2.23	2.01	2.05
16	a	1128	CLA	CMD-C2D	-2.23	1.46	1.50
16	b	1221	CLA	CMB-C2B	-2.23	1.46	1.50
16	x	514	CLA	C3B-C4B	2.23	1.49	1.42
16	F	1302	CLA	CHC-C1C	2.23	1.42	1.38
16	q	504	CLA	MG-NB	-2.23	2.01	2.05
16	r	506	CLA	MG-NB	-2.23	2.01	2.05
15	H	1011	CL0	C1B-C2B	2.23	1.48	1.43
16	g	517	CLA	CHC-C1C	2.23	1.43	1.38
16	s	509	CLA	CMC-C2C	-2.23	1.46	1.50
14	H	4101	LMG	O7-C8	-2.23	1.41	1.46
16	B	1228	CLA	CMB-C2B	-2.23	1.46	1.50
16	v	516	CLA	CMB-C2B	-2.23	1.46	1.50
16	Z	509	CLA	MG-NB	-2.23	2.01	2.05
16	g	502	CLA	MG-NB	-2.23	2.01	2.05
16	B	1206	CLA	C1B-NB	-2.23	1.34	1.37
16	H	1102	CLA	MG-NB	-2.23	2.01	2.05
16	p	508	CLA	C3B-C4B	2.23	1.49	1.42
16	S	1303	CLA	C3B-C4B	2.23	1.49	1.42
16	b	1023	CLA	C1D-ND	2.23	1.40	1.37
16	X	511	CLA	CMD-C2D	-2.23	1.46	1.50
16	u	513	CLA	C3B-C4B	2.23	1.49	1.42
16	w	513	CLA	C3B-C4B	2.23	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	A	1130	CLA	CMD-C2D	-2.23	1.46	1.50
16	G	1209	CLA	CMB-C2B	-2.23	1.46	1.50
16	y	502	CLA	MG-NB	-2.23	2.01	2.05
16	a	1103	CLA	MG-NB	-2.23	2.01	2.05
16	b	1229	CLA	MG-NB	-2.23	2.01	2.05
16	h	502	CLA	MG-NB	-2.23	2.01	2.05
16	x	514	CLA	CHC-C1C	2.23	1.42	1.38
16	H	1137	CLA	CMB-C2B	-2.23	1.46	1.50
16	n	515	CLA	MG-NB	-2.23	2.01	2.05
16	v	516	CLA	MG-NB	-2.23	2.01	2.05
16	H	1112	CLA	CMD-C2D	-2.23	1.46	1.50
16	H	1122	CLA	CMB-C2B	-2.23	1.46	1.50
16	b	1023	CLA	MG-ND	-2.23	2.01	2.05
16	H	1103	CLA	MG-NB	-2.23	2.01	2.05
16	H	1134	CLA	MG-NB	-2.23	2.01	2.05
16	Y	511	CLA	MG-NB	-2.23	2.01	2.05
16	b	1229	CLA	CHC-C1C	2.23	1.42	1.38
16	a	1138	CLA	CMB-C2B	-2.23	1.46	1.50
16	v	505	CLA	CMD-C2D	-2.23	1.46	1.50
16	b	1206	CLA	C1B-NB	-2.23	1.34	1.37
16	b	1232	CLA	MG-NB	-2.23	2.01	2.05
16	Y	511	CLA	C3B-C4B	2.22	1.49	1.42
19	a	4007	BCR	C33-C5	-2.22	1.47	1.50
16	G	1222	CLA	C1B-C2B	2.22	1.48	1.43
16	b	1221	CLA	CMC-C2C	-2.22	1.46	1.50
16	H	1110	CLA	CMD-C2D	-2.22	1.46	1.50
16	n	503	CLA	MG-NB	-2.22	2.01	2.05
16	G	1217	CLA	CHC-C1C	2.22	1.42	1.38
16	q	506	CLA	C3B-C4B	2.22	1.49	1.42
16	x	507	CLA	C3B-C4B	2.22	1.49	1.42
16	o	508	CLA	CMD-C2D	-2.22	1.46	1.50
16	A	1128	CLA	MG-ND	-2.22	2.01	2.05
16	H	1022	CLA	MG-ND	-2.22	2.01	2.05
16	A	1140	CLA	CMD-C2D	-2.22	1.46	1.50
16	f	1301	CLA	CMB-C2B	-2.22	1.46	1.50
20	L	4101	LMT	O3B-C3B	-2.22	1.37	1.43
16	G	1227	CLA	MG-NB	-2.22	2.01	2.05
16	A	1110	CLA	CMD-C2D	-2.22	1.46	1.50
16	l	1501	CLA	CMD-C2D	-2.22	1.46	1.50
16	H	1801	CLA	C3B-C4B	2.22	1.49	1.42
16	g	502	CLA	CHC-C1C	2.22	1.42	1.38
16	r	507	CLA	CHC-C1C	2.22	1.42	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	x	510	CLA	CHC-C1C	2.22	1.42	1.38
16	a	1112	CLA	CMD-C2D	-2.22	1.46	1.50
16	H	1138	CLA	CMD-C2D	-2.22	1.46	1.50
16	b	1221	CLA	C1B-C2B	2.22	1.48	1.43
16	A	1130	CLA	MG-ND	-2.22	2.01	2.05
16	W	502	CLA	CHC-C1C	2.22	1.42	1.38
16	g	513	CLA	CHC-C1C	2.22	1.42	1.38
16	b	1234	CLA	CMB-C2B	-2.22	1.46	1.50
16	u	509	CLA	CMB-C2B	-2.22	1.46	1.50
16	G	1023	CLA	MG-ND	-2.22	2.01	2.05
16	n	509	CLA	CMD-C2D	-2.22	1.46	1.50
16	a	1110	CLA	C3B-C4B	2.22	1.49	1.42
16	h	516	CLA	C3B-C4B	2.22	1.49	1.42
16	A	1136	CLA	C1B-C2B	2.22	1.48	1.43
16	q	504	CLA	CHC-C1C	2.22	1.42	1.38
16	W	511	CLA	CMB-C2B	-2.22	1.46	1.50
16	X	503	CLA	CMC-C2C	-2.22	1.46	1.50
16	r	509	CLA	C3B-C4B	2.22	1.49	1.42
15	A	1011	CL0	C1B-C2B	2.22	1.48	1.43
16	B	1222	CLA	C1B-C2B	2.22	1.48	1.43
16	r	514	CLA	MG-NB	-2.22	2.01	2.05
16	Y	501	CLA	C3B-C4B	2.22	1.49	1.42
16	Z	515	CLA	C3B-C4B	2.22	1.49	1.42
16	o	509	CLA	CMB-C2B	-2.22	1.46	1.50
16	A	1801	CLA	C3B-C4B	2.22	1.49	1.42
16	x	504	CLA	C3B-C4B	2.22	1.49	1.42
16	a	1124	CLA	CMB-C2B	-2.22	1.46	1.50
16	u	511	CLA	CMD-C2D	-2.22	1.46	1.50
16	x	508	CLA	CHC-C1C	2.22	1.42	1.38
16	t	501	CLA	MG-NB	-2.22	2.01	2.05
16	a	1139	CLA	C3B-C4B	2.22	1.49	1.42
16	g	514	CLA	CHC-C1C	2.22	1.42	1.38
16	H	1109	CLA	C3B-C4B	2.22	1.49	1.42
16	s	508	CLA	MG-NB	-2.22	2.01	2.05
16	s	511	CLA	C3B-C4B	2.22	1.49	1.42
16	X	511	CLA	MG-NB	-2.22	2.01	2.05
16	u	516	CLA	MG-NB	-2.22	2.01	2.05
16	H	1131	CLA	C1B-C2B	2.22	1.48	1.43
16	X	513	CLA	CMD-C2D	-2.22	1.46	1.50
16	p	507	CLA	CMB-C2B	-2.22	1.46	1.50
16	Z	503	CLA	C3B-C4B	2.22	1.49	1.42
16	t	505	CLA	C3B-C4B	2.22	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	u	505	CLA	C3B-C4B	2.22	1.49	1.42
16	w	517	CLA	MG-NB	-2.22	2.01	2.05
16	A	1107	CLA	CMB-C2B	-2.22	1.46	1.50
16	o	511	CLA	CMD-C2D	-2.22	1.46	1.50
16	G	1222	CLA	CMC-C2C	-2.22	1.46	1.50
16	A	1130	CLA	C3B-C4B	2.22	1.49	1.42
16	B	1217	CLA	C3B-C4B	2.22	1.49	1.42
16	G	1222	CLA	C3B-C4B	2.22	1.49	1.42
16	b	1217	CLA	MG-NB	-2.22	2.01	2.05
16	u	506	CLA	MG-NB	-2.22	2.01	2.05
16	a	1103	CLA	CMB-C2B	-2.22	1.46	1.50
16	A	1112	CLA	CHC-C1C	2.22	1.42	1.38
16	A	1129	CLA	CHC-C1C	2.22	1.42	1.38
16	A	1131	CLA	C1B-C2B	2.22	1.48	1.43
16	a	1104	CLA	MG-NB	-2.22	2.01	2.05
16	o	504	CLA	C3B-C4B	2.22	1.49	1.42
16	a	1132	CLA	CMC-C2C	-2.22	1.46	1.50
16	a	1132	CLA	C1B-C2B	2.22	1.48	1.43
16	B	1203	CLA	CMC-C2C	-2.22	1.46	1.50
16	b	1213	CLA	C3B-C4B	2.22	1.49	1.42
16	g	510	CLA	MG-NB	-2.22	2.01	2.05
16	b	1220	CLA	MG-NB	-2.22	2.01	2.05
16	r	516	CLA	MG-NB	-2.22	2.01	2.05
16	s	512	CLA	MG-NB	-2.22	2.01	2.05
16	s	508	CLA	CMD-C2D	-2.22	1.46	1.50
16	W	514	CLA	C3B-C4B	2.22	1.49	1.42
16	g	514	CLA	C3B-C4B	2.22	1.49	1.42
16	x	512	CLA	C3B-C4B	2.22	1.49	1.42
16	y	507	CLA	CMB-C2B	-2.22	1.46	1.50
16	a	1105	CLA	CMB-C2B	-2.22	1.46	1.50
16	B	1217	CLA	CHC-C1C	2.22	1.42	1.38
16	A	1106	CLA	C3B-C4B	2.22	1.49	1.42
16	y	505	CLA	C3B-C4B	2.22	1.49	1.42
16	q	512	CLA	C3B-C4B	2.22	1.49	1.42
16	G	1012	CLA	C1B-C2B	2.22	1.48	1.43
16	Z	517	CLA	MG-NB	-2.21	2.01	2.05
16	G	1219	CLA	MG-NB	-2.21	2.01	2.05
16	W	516	CLA	CMB-C2B	-2.21	1.46	1.50
16	H	1135	CLA	CMD-C2D	-2.21	1.46	1.50
16	x	508	CLA	CMD-C2D	-2.21	1.46	1.50
16	t	508	CLA	C3B-C4B	2.21	1.49	1.42
16	H	1116	CLA	C1B-C2B	2.21	1.48	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	a	1111	CLA	CMD-C2D	-2.21	1.46	1.50
16	t	503	CLA	CMD-C2D	-2.21	1.46	1.50
16	y	504	CLA	MG-NB	-2.21	2.01	2.05
16	p	508	CLA	MG-NB	-2.21	2.01	2.05
16	n	507	CLA	CHC-C1C	2.21	1.42	1.38
16	g	512	CLA	C3B-C4B	2.21	1.49	1.42
16	G	1221	CLA	CMB-C2B	-2.21	1.46	1.50
16	G	1234	CLA	CMC-C2C	-2.21	1.46	1.50
16	n	505	CLA	C3B-C4B	2.21	1.49	1.42
16	a	1131	CLA	C1B-C2B	2.21	1.48	1.43
16	t	512	CLA	C3B-C4B	2.21	1.49	1.42
16	a	1022	CLA	MG-ND	-2.21	2.01	2.05
16	r	510	CLA	MG-NB	-2.21	2.01	2.05
16	Z	504	CLA	CHC-C1C	2.21	1.42	1.38
16	H	1106	CLA	C3B-C4B	2.21	1.49	1.42
16	U	1503	CLA	CMD-C2D	-2.21	1.46	1.50
16	a	1138	CLA	CMC-C2C	-2.21	1.46	1.50
16	Z	516	CLA	C3B-C4B	2.21	1.49	1.42
16	H	1130	CLA	C3B-C4B	2.21	1.49	1.42
16	s	504	CLA	C3B-C4B	2.21	1.49	1.42
16	g	504	CLA	MG-NB	-2.21	2.01	2.05
16	a	1124	CLA	C1B-C2B	2.21	1.48	1.43
16	v	502	CLA	CMD-C2D	-2.21	1.46	1.50
16	h	511	CLA	CHC-C1C	2.21	1.42	1.38
16	A	1124	CLA	C1B-C2B	2.21	1.48	1.43
16	u	506	CLA	CMD-C2D	-2.21	1.46	1.50
16	Y	517	CLA	CHC-C1C	2.21	1.42	1.38
16	a	1132	CLA	CHC-C1C	2.21	1.42	1.38
16	H	1124	CLA	C1B-C2B	2.21	1.48	1.43
16	n	507	CLA	C3B-C4B	2.21	1.49	1.42
16	a	1130	CLA	CMC-C2C	-2.21	1.46	1.50
16	x	502	CLA	MG-NB	-2.21	2.01	2.05
16	S	1303	CLA	MG-NB	-2.21	2.01	2.05
16	B	1012	CLA	C1B-C2B	2.21	1.48	1.43
16	X	516	CLA	MG-NB	-2.21	2.01	2.05
16	H	1130	CLA	MG-ND	-2.21	2.01	2.05
16	w	509	CLA	MG-NB	-2.21	2.01	2.05
16	F	1301	CLA	C3B-C4B	2.21	1.49	1.42
16	h	507	CLA	CHC-C1C	2.21	1.42	1.38
16	a	1104	CLA	CMD-C2D	-2.21	1.46	1.50
16	q	511	CLA	C3B-C4B	2.21	1.49	1.42
15	a	1011	CL0	C1B-C2B	2.21	1.48	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	h	504	CLA	C3B-C4B	2.21	1.49	1.42
16	r	503	CLA	CMD-C2D	-2.21	1.46	1.50
16	H	1114	CLA	MG-NB	-2.21	2.01	2.05
16	v	506	CLA	CMB-C2B	-2.21	1.46	1.50
16	G	1208	CLA	C3B-C4B	2.21	1.49	1.42
16	A	1104	CLA	MG-NB	-2.21	2.01	2.05
16	x	509	CLA	C3B-C4B	2.21	1.49	1.42
16	A	1111	CLA	CMD-C2D	-2.21	1.46	1.50
16	A	1137	CLA	CMB-C2B	-2.21	1.46	1.50
16	B	1227	CLA	MG-NB	-2.21	2.01	2.05
16	Y	517	CLA	CMC-C2C	-2.21	1.46	1.50
16	H	1129	CLA	CHC-C1C	2.21	1.42	1.38
16	A	1132	CLA	CMC-C2C	-2.21	1.46	1.50
16	B	1201	CLA	CMD-C2D	-2.21	1.46	1.50
16	a	1115	CLA	CHC-C1C	2.21	1.42	1.38
16	B	1213	CLA	C3B-C4B	2.21	1.49	1.42
16	A	1136	CLA	CMD-C2D	-2.21	1.46	1.50
16	a	1108	CLA	CMD-C2D	-2.21	1.46	1.50
16	H	1117	CLA	CMD-C2D	-2.21	1.46	1.50
16	x	509	CLA	CMD-C2D	-2.21	1.46	1.50
16	Q	1301	CLA	CMD-C2D	-2.21	1.46	1.50
16	H	1101	CLA	C3B-C4B	2.21	1.49	1.42
16	Z	504	CLA	MG-NB	-2.21	2.01	2.05
16	s	517	CLA	CHC-C1C	2.21	1.42	1.38
16	F	1301	CLA	CMD-C2D	-2.21	1.46	1.50
16	p	508	CLA	CMD-C2D	-2.21	1.46	1.50
16	p	514	CLA	CMB-C2B	-2.21	1.46	1.50
16	t	509	CLA	CMB-C2B	-2.21	1.46	1.50
16	y	506	CLA	MG-NB	-2.21	2.01	2.05
16	s	516	CLA	MG-NB	-2.21	2.01	2.05
16	g	516	CLA	MG-NB	-2.20	2.01	2.05
16	q	502	CLA	CHC-C1C	2.20	1.42	1.38
16	A	1138	CLA	CMD-C2D	-2.20	1.46	1.50
16	H	1132	CLA	CMC-C2C	-2.20	1.46	1.50
16	x	501	CLA	CHC-C1C	2.20	1.42	1.38
16	H	1111	CLA	CMB-C2B	-2.20	1.46	1.50
16	G	1203	CLA	CMB-C2B	-2.20	1.46	1.50
16	B	1223	CLA	C3B-C4B	2.20	1.49	1.42
16	Z	516	CLA	MG-NB	-2.20	2.01	2.05
16	y	509	CLA	MG-NB	-2.20	2.01	2.05
16	G	1232	CLA	MG-NB	-2.20	2.01	2.05
16	n	509	CLA	CHC-C1C	2.20	1.42	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	H	1130	CLA	CMC-C2C	-2.20	1.46	1.50
16	U	1501	CLA	CMB-C2B	-2.20	1.46	1.50
16	W	508	CLA	MG-NB	-2.20	2.01	2.05
16	w	515	CLA	MG-NB	-2.20	2.01	2.05
16	B	1202	CLA	CMD-C2D	-2.20	1.46	1.50
16	a	1130	CLA	CMD-C2D	-2.20	1.46	1.50
16	a	1135	CLA	CMD-C2D	-2.20	1.46	1.50
16	b	1222	CLA	CMD-C2D	-2.20	1.46	1.50
16	x	503	CLA	CMD-C2D	-2.20	1.46	1.50
16	B	1222	CLA	CMC-C2C	-2.20	1.46	1.50
16	g	510	CLA	C3B-C4B	2.20	1.49	1.42
16	Y	514	CLA	CHC-C1C	2.20	1.42	1.38
16	v	517	CLA	CHC-C1C	2.20	1.42	1.38
16	a	1126	CLA	CMB-C2B	-2.20	1.46	1.50
16	o	506	CLA	MG-NB	-2.20	2.01	2.05
16	A	1115	CLA	CHC-C1C	2.20	1.42	1.38
16	r	514	CLA	CMD-C2D	-2.20	1.46	1.50
16	B	1227	CLA	C3B-C4B	2.20	1.49	1.42
16	o	515	CLA	C3B-C4B	2.20	1.49	1.42
16	H	1136	CLA	C1B-C2B	2.20	1.48	1.43
16	B	1218	CLA	MG-NB	-2.20	2.01	2.05
16	W	509	CLA	CHC-C1C	2.20	1.42	1.38
16	g	510	CLA	CMD-C2D	-2.20	1.46	1.50
16	G	1204	CLA	CMB-C2B	-2.20	1.46	1.50
16	t	511	CLA	CMB-C2B	-2.20	1.46	1.50
16	A	1109	CLA	C3B-C4B	2.20	1.49	1.42
16	a	1106	CLA	C3B-C4B	2.20	1.49	1.42
16	s	514	CLA	C3B-C4B	2.20	1.49	1.42
16	a	1128	CLA	MG-ND	-2.20	2.01	2.05
16	H	1126	CLA	CMB-C2B	-2.20	1.46	1.50
16	H	1133	CLA	CMD-C2D	-2.20	1.46	1.50
16	G	1202	CLA	CMC-C2C	-2.20	1.46	1.50
16	x	506	CLA	CMC-C2C	-2.20	1.46	1.50
16	X	512	CLA	C3B-C4B	2.20	1.49	1.42
16	A	1022	CLA	MG-ND	-2.20	2.01	2.05
16	G	1218	CLA	MG-NB	-2.20	2.01	2.05
16	b	1222	CLA	C3B-C4B	2.20	1.49	1.42
16	H	1140	CLA	C3B-C4B	2.20	1.49	1.42
16	G	1232	CLA	CHC-C1C	2.20	1.42	1.38
16	A	1128	CLA	CMD-C2D	-2.20	1.46	1.50
16	o	513	CLA	CMD-C2D	-2.20	1.46	1.50
16	B	1232	CLA	MG-NB	-2.20	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	a	1120	CLA	MG-NB	-2.20	2.01	2.05
16	H	1104	CLA	MG-NB	-2.20	2.01	2.05
16	b	1202	CLA	CMD-C2D	-2.20	1.46	1.50
16	G	1217	CLA	MG-NB	-2.20	2.01	2.05
16	t	506	CLA	MG-NB	-2.20	2.01	2.05
16	A	1140	CLA	C3B-C4B	2.20	1.49	1.42
16	a	1101	CLA	C3B-C4B	2.20	1.49	1.42
16	a	1140	CLA	C3B-C4B	2.20	1.49	1.42
16	b	1012	CLA	C3B-C4B	2.20	1.49	1.42
16	b	1223	CLA	C3B-C4B	2.20	1.49	1.42
16	s	505	CLA	CMB-C2B	-2.20	1.46	1.50
16	K	1401	CLA	CMB-C2B	-2.20	1.46	1.50
16	A	1104	CLA	CMD-C2D	-2.20	1.46	1.50
16	B	1209	CLA	CMB-C2B	-2.20	1.46	1.50
16	f	1301	CLA	CMD-C2D	-2.20	1.46	1.50
16	L	1501	CLA	CMB-C2B	-2.20	1.46	1.50
16	G	1216	CLA	CMC-C2C	-2.20	1.46	1.50
16	x	502	CLA	CMD-C2D	-2.20	1.46	1.50
16	H	1123	CLA	C3B-C4B	2.20	1.49	1.42
16	B	1229	CLA	CHC-C1C	2.20	1.42	1.38
16	B	1216	CLA	CMD-C2D	-2.20	1.46	1.50
16	a	1022	CLA	CMD-C2D	-2.20	1.46	1.50
16	a	1138	CLA	CMD-C2D	-2.20	1.46	1.50
16	q	506	CLA	MG-NB	-2.20	2.01	2.05
16	B	1234	CLA	CMC-C2C	-2.20	1.46	1.50
16	H	1103	CLA	CMB-C2B	-2.20	1.46	1.50
16	u	504	CLA	CMD-C2D	-2.20	1.46	1.50
16	h	510	CLA	MG-NB	-2.20	2.01	2.05
20	l	4101	LMT	O2'-C2'	-2.20	1.37	1.43
16	A	1117	CLA	CMD-C2D	-2.20	1.46	1.50
16	k	1401	CLA	CMB-C2B	-2.20	1.46	1.50
16	H	1102	CLA	CMC-C2C	-2.20	1.46	1.50
16	u	507	CLA	CMB-C2B	-2.20	1.46	1.50
16	s	514	CLA	CMB-C2B	-2.20	1.46	1.50
16	Z	503	CLA	CHC-C1C	2.20	1.42	1.38
16	g	507	CLA	MG-NB	-2.20	2.01	2.05
16	B	1215	CLA	CMD-C2D	-2.20	1.46	1.50
16	H	1132	CLA	C1B-C2B	2.20	1.48	1.43
16	W	504	CLA	CHC-C1C	2.20	1.42	1.38
16	G	1203	CLA	CMC-C2C	-2.20	1.46	1.50
16	u	508	CLA	CMD-C2D	-2.20	1.46	1.50
16	W	515	CLA	CHC-C1C	2.20	1.42	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	x	504	CLA	MG-NB	-2.20	2.01	2.05
16	x	514	CLA	MG-NB	-2.20	2.01	2.05
16	A	1120	CLA	C3B-C4B	2.20	1.49	1.42
16	u	515	CLA	C3B-C4B	2.20	1.49	1.42
16	u	505	CLA	CMB-C2B	-2.19	1.46	1.50
20	l	4101	LMT	O3B-C3B	-2.19	1.37	1.43
16	t	517	CLA	MG-NB	-2.19	2.01	2.05
16	w	507	CLA	MG-NB	-2.19	2.01	2.05
16	A	1402	CLA	CMD-C2D	-2.19	1.46	1.50
16	p	509	CLA	CHC-C1C	2.19	1.42	1.38
16	H	1119	CLA	CHC-C1C	2.19	1.42	1.38
16	Z	515	CLA	CHC-C1C	2.19	1.42	1.38
16	x	502	CLA	CHC-C1C	2.19	1.42	1.38
16	A	1120	CLA	MG-NB	-2.19	2.01	2.05
16	W	501	CLA	C3B-C4B	2.19	1.49	1.42
16	p	515	CLA	C3B-C4B	2.19	1.49	1.42
16	A	1122	CLA	CMD-C2D	-2.19	1.46	1.50
16	a	1122	CLA	CMB-C2B	-2.19	1.46	1.50
16	b	1217	CLA	CMD-C2D	-2.19	1.46	1.50
16	n	508	CLA	CMD-C2D	-2.19	1.46	1.50
16	q	505	CLA	CMD-C2D	-2.19	1.46	1.50
16	v	512	CLA	MG-NB	-2.19	2.01	2.05
16	B	1222	CLA	C3B-C4B	2.19	1.49	1.42
16	A	1102	CLA	CMC-C2C	-2.19	1.46	1.50
16	a	1106	CLA	CMB-C2B	-2.19	1.46	1.50
16	y	515	CLA	CHC-C1C	2.19	1.42	1.38
16	H	1115	CLA	CHC-C1C	2.19	1.42	1.38
16	v	515	CLA	CHC-C1C	2.19	1.42	1.38
16	q	510	CLA	MG-NB	-2.19	2.01	2.05
16	H	1109	CLA	MG-NB	-2.19	2.01	2.05
16	q	513	CLA	CMD-C2D	-2.19	1.46	1.50
16	h	515	CLA	CHC-C1C	2.19	1.42	1.38
16	G	1217	CLA	C3B-C4B	2.19	1.49	1.42
16	A	1114	CLA	CMB-C2B	-2.19	1.46	1.50
16	a	1111	CLA	CMB-C2B	-2.19	1.46	1.50
16	o	514	CLA	CMB-C2B	-2.19	1.46	1.50
16	H	1132	CLA	CHC-C1C	2.19	1.42	1.38
16	p	516	CLA	MG-NB	-2.19	2.01	2.05
16	G	1211	CLA	MG-NB	-2.19	2.01	2.05
16	a	1109	CLA	C3B-C4B	2.19	1.49	1.42
16	B	1222	CLA	CMD-C2D	-2.19	1.46	1.50
16	b	1222	CLA	CMC-C2C	-2.19	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	H	1104	CLA	CMB-C2B	-2.19	1.46	1.50
16	K	1401	CLA	CMC-C2C	-2.19	1.46	1.50
16	o	507	CLA	C3B-C4B	2.19	1.49	1.42
16	A	1102	CLA	MG-NB	-2.19	2.01	2.05
16	A	1115	CLA	MG-NB	-2.19	2.01	2.05
16	t	509	CLA	MG-NB	-2.19	2.01	2.05
16	a	1106	CLA	CMD-C2D	-2.19	1.46	1.50
16	p	511	CLA	CMD-C2D	-2.19	1.46	1.50
16	G	1235	CLA	C1B-NB	-2.19	1.35	1.37
16	y	514	CLA	C3B-C4B	2.19	1.49	1.42
16	G	1210	CLA	C3B-C4B	2.19	1.49	1.42
16	r	513	CLA	CHC-C1C	2.19	1.42	1.38
16	n	506	CLA	MG-NB	-2.19	2.01	2.05
16	a	1123	CLA	C3B-C4B	2.19	1.49	1.42
16	G	1227	CLA	C3B-C4B	2.19	1.49	1.42
16	u	512	CLA	C3B-C4B	2.19	1.49	1.42
16	A	1103	CLA	CMB-C2B	-2.19	1.46	1.50
16	L	1503	CLA	CMD-C2D	-2.19	1.46	1.50
16	b	1209	CLA	CMB-C2B	-2.19	1.46	1.50
16	H	1122	CLA	CMD-C2D	-2.19	1.46	1.50
16	b	1222	CLA	CHC-C1C	2.19	1.42	1.38
16	A	1116	CLA	C1B-C2B	2.19	1.48	1.43
16	X	508	CLA	C3B-C4B	2.19	1.49	1.42
16	q	516	CLA	C3B-C4B	2.19	1.49	1.42
16	n	509	CLA	CMB-C2B	-2.19	1.46	1.50
16	n	506	CLA	C3B-C4B	2.19	1.49	1.42
16	Y	503	CLA	MG-NB	-2.19	2.01	2.05
16	g	509	CLA	CMB-C2B	-2.19	1.46	1.50
16	h	507	CLA	C3B-C4B	2.19	1.49	1.42
16	t	503	CLA	C3B-C4B	2.19	1.49	1.42
16	p	514	CLA	C3B-C4B	2.19	1.49	1.42
16	o	505	CLA	C3B-C4B	2.19	1.49	1.42
16	p	504	CLA	C3B-C4B	2.19	1.49	1.42
16	w	506	CLA	C3B-C4B	2.19	1.49	1.42
16	W	506	CLA	MG-NB	-2.19	2.01	2.05
16	a	1102	CLA	MG-NB	-2.19	2.01	2.05
16	B	1205	CLA	CMB-C2B	-2.19	1.46	1.50
16	G	1021	CLA	CMC-C2C	-2.19	1.46	1.50
16	W	508	CLA	CHC-C1C	2.19	1.42	1.38
16	a	1109	CLA	MG-NB	-2.19	2.01	2.05
16	p	504	CLA	MG-NB	-2.19	2.01	2.05
16	p	514	CLA	MG-NB	-2.19	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	b	1012	CLA	C1B-C2B	2.19	1.48	1.43
16	q	503	CLA	C3B-C4B	2.19	1.49	1.42
16	a	1110	CLA	CMB-C2B	-2.19	1.46	1.50
16	t	502	CLA	CMD-C2D	-2.19	1.46	1.50
16	H	1118	CLA	C3B-C4B	2.19	1.49	1.42
16	G	1223	CLA	C3B-C4B	2.19	1.49	1.42
16	t	514	CLA	C3B-C4B	2.19	1.49	1.42
16	t	506	CLA	CMB-C2B	-2.19	1.46	1.50
16	u	508	CLA	C3B-C4B	2.19	1.49	1.42
16	v	509	CLA	CHC-C1C	2.19	1.42	1.38
16	y	511	CLA	CMB-C2B	-2.19	1.46	1.50
16	Y	515	CLA	C3B-C4B	2.19	1.49	1.42
16	o	516	CLA	MG-NB	-2.19	2.01	2.05
16	r	512	CLA	MG-NB	-2.19	2.01	2.05
16	A	1135	CLA	CMD-C2D	-2.19	1.46	1.50
19	B	4010	BCR	C33-C5	-2.19	1.47	1.50
16	B	1211	CLA	MG-NB	-2.19	2.01	2.05
16	Z	509	CLA	CMB-C2B	-2.19	1.46	1.50
16	a	1117	CLA	CMD-C2D	-2.19	1.46	1.50
16	o	504	CLA	CMD-C2D	-2.19	1.46	1.50
16	h	503	CLA	CMD-C2D	-2.19	1.46	1.50
16	G	1205	CLA	CMB-C2B	-2.19	1.46	1.50
16	t	510	CLA	CMD-C2D	-2.19	1.46	1.50
16	y	509	CLA	CMC-C2C	-2.19	1.46	1.50
16	b	1205	CLA	CMB-C2B	-2.19	1.46	1.50
16	n	516	CLA	CMB-C2B	-2.19	1.46	1.50
16	o	507	CLA	CMB-C2B	-2.19	1.46	1.50
16	A	1101	CLA	C3B-C4B	2.19	1.49	1.42
16	B	1210	CLA	C3B-C4B	2.19	1.49	1.42
16	w	511	CLA	C3B-C4B	2.19	1.49	1.42
16	r	502	CLA	MG-NB	-2.19	2.01	2.05
16	H	1128	CLA	MG-ND	-2.19	2.01	2.05
16	G	1220	CLA	MG-NB	-2.19	2.01	2.05
16	A	1130	CLA	CMC-C2C	-2.19	1.46	1.50
16	t	508	CLA	CMD-C2D	-2.19	1.46	1.50
16	y	506	CLA	CMD-C2D	-2.18	1.46	1.50
16	H	1022	CLA	CMD-C2D	-2.18	1.46	1.50
16	n	502	CLA	C3B-C4B	2.18	1.49	1.42
16	G	1225	CLA	C1B-C2B	2.18	1.48	1.43
16	W	513	CLA	CMD-C2D	-2.18	1.46	1.50
16	X	502	CLA	CMB-C2B	-2.18	1.46	1.50
16	h	507	CLA	MG-NB	-2.18	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	v	510	CLA	MG-NB	-2.18	2.01	2.05
16	A	1104	CLA	CMB-C2B	-2.18	1.46	1.50
16	B	1228	CLA	CMD-C2D	-2.18	1.46	1.50
16	r	515	CLA	CMD-C2D	-2.18	1.46	1.50
16	n	509	CLA	MG-NB	-2.18	2.01	2.05
16	v	504	CLA	C3B-C4B	2.18	1.49	1.42
16	F	1302	CLA	MG-NB	-2.18	2.01	2.05
16	s	514	CLA	MG-NB	-2.18	2.01	2.05
16	X	509	CLA	C3B-C4B	2.18	1.49	1.42
16	g	504	CLA	CHC-C1C	2.18	1.42	1.38
16	u	514	CLA	CHC-C1C	2.18	1.42	1.38
16	v	513	CLA	CHC-C1C	2.18	1.42	1.38
16	A	1102	CLA	CMD-C2D	-2.18	1.46	1.50
16	a	1120	CLA	CMD-C2D	-2.18	1.46	1.50
16	b	1216	CLA	CMC-C2C	-2.18	1.46	1.50
16	B	1220	CLA	MG-NB	-2.18	2.01	2.05
16	r	507	CLA	MG-NB	-2.18	2.01	2.05
16	B	1235	CLA	C1B-NB	-2.18	1.35	1.37
16	b	1228	CLA	C3B-C4B	2.18	1.49	1.42
16	b	1227	CLA	C3B-C4B	2.18	1.49	1.42
16	n	516	CLA	MG-NB	-2.18	2.01	2.05
16	p	517	CLA	MG-NB	-2.18	2.01	2.05
16	y	504	CLA	C3B-C4B	2.18	1.49	1.42
16	b	1217	CLA	C3B-C4B	2.18	1.49	1.42
16	Y	509	CLA	CHC-C1C	2.18	1.42	1.38
16	y	509	CLA	CHC-C1C	2.18	1.42	1.38
16	p	517	CLA	CHC-C1C	2.18	1.42	1.38
16	g	514	CLA	CMD-C2D	-2.18	1.46	1.50
16	n	503	CLA	CMD-C2D	-2.18	1.46	1.50
16	W	503	CLA	MG-NB	-2.18	2.01	2.05
16	Y	504	CLA	C3B-C4B	2.18	1.49	1.42
16	w	503	CLA	C3B-C4B	2.18	1.49	1.42
16	s	509	CLA	CHC-C1C	2.18	1.42	1.38
16	v	511	CLA	CHC-C1C	2.18	1.42	1.38
16	A	1124	CLA	CMB-C2B	-2.18	1.46	1.50
16	Z	507	CLA	CMB-C2B	-2.18	1.46	1.50
16	g	503	CLA	CMD-C2D	-2.18	1.46	1.50
16	o	503	CLA	CMC-C2C	-2.18	1.46	1.50
16	s	506	CLA	CMD-C2D	-2.18	1.46	1.50
16	w	514	CLA	CMB-C2B	-2.18	1.46	1.50
16	v	514	CLA	CMB-C2B	-2.18	1.46	1.50
16	B	1208	CLA	C3B-C4B	2.18	1.49	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	G	1012	CLA	C3B-C4B	2.18	1.49	1.42
16	y	504	CLA	CHC-C1C	2.18	1.42	1.38
16	W	510	CLA	CMD-C2D	-2.18	1.46	1.50
16	H	1138	CLA	CMC-C2C	-2.18	1.46	1.50
16	p	503	CLA	CMD-C2D	-2.18	1.46	1.50
16	q	511	CLA	CMD-C2D	-2.18	1.46	1.50
16	H	1104	CLA	CMC-C2C	-2.18	1.46	1.50
16	H	1125	CLA	CMB-C2B	-2.18	1.46	1.50
16	G	1204	CLA	CMC-C2C	-2.18	1.46	1.50
16	j	1303	CLA	MG-NB	-2.18	2.01	2.05
16	a	1129	CLA	CHC-C1C	2.18	1.42	1.38
16	q	509	CLA	CHC-C1C	2.18	1.42	1.38
16	r	511	CLA	CHC-C1C	2.18	1.42	1.38
16	q	517	CLA	MG-NB	-2.18	2.01	2.05
19	b	4010	BCR	C33-C5	-2.18	1.47	1.50
16	v	507	CLA	CHC-C1C	2.18	1.42	1.38
16	k	1401	CLA	CMC-C2C	-2.18	1.46	1.50
16	n	501	CLA	MG-NB	-2.18	2.01	2.05
16	b	1204	CLA	CMB-C2B	-2.18	1.46	1.50
16	H	1106	CLA	CMD-C2D	-2.18	1.46	1.50
16	v	514	CLA	CMD-C2D	-2.18	1.46	1.50
16	T	1401	CLA	CMB-C2B	-2.18	1.46	1.50
16	H	1120	CLA	MG-NB	-2.18	2.01	2.05
16	G	1023	CLA	C1D-ND	2.18	1.40	1.37
16	Z	514	CLA	CHC-C1C	2.18	1.42	1.38
16	h	517	CLA	CHC-C1C	2.18	1.42	1.38
16	Z	502	CLA	MG-NB	-2.18	2.01	2.05
16	t	512	CLA	MG-NB	-2.18	2.01	2.05
16	u	517	CLA	MG-NB	-2.18	2.01	2.05
16	g	507	CLA	CMB-C2B	-2.18	1.46	1.50
16	a	1104	CLA	CMB-C2B	-2.18	1.46	1.50
16	H	1129	CLA	CMC-C2C	-2.18	1.46	1.50
16	A	1132	CLA	CHC-C1C	2.18	1.42	1.38
16	t	517	CLA	CHC-C1C	2.18	1.42	1.38
16	A	1132	CLA	C1B-C2B	2.18	1.48	1.43
16	X	513	CLA	MG-NB	-2.18	2.01	2.05
16	B	1219	CLA	C3B-C4B	2.18	1.49	1.42
16	a	1103	CLA	C3B-C4B	2.18	1.49	1.42
16	B	1203	CLA	CMB-C2B	-2.18	1.46	1.50
16	G	1228	CLA	CMD-C2D	-2.18	1.46	1.50
16	s	507	CLA	CMD-C2D	-2.18	1.46	1.50
16	X	505	CLA	MG-NB	-2.18	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	a	1402	CLA	CMD-C2D	-2.18	1.46	1.50
16	H	1136	CLA	CMC-C2C	-2.18	1.46	1.50
16	s	515	CLA	CHC-C1C	2.18	1.42	1.38
16	B	1012	CLA	C3B-C4B	2.18	1.49	1.42
16	o	508	CLA	MG-NB	-2.18	2.01	2.05
16	g	509	CLA	C3B-C4B	2.18	1.49	1.42
16	a	1130	CLA	C3B-C4B	2.18	1.49	1.42
16	Y	505	CLA	CMB-C2B	-2.18	1.46	1.50
16	n	517	CLA	CHC-C1C	2.18	1.42	1.38
16	B	1225	CLA	C1B-C2B	2.18	1.48	1.43
16	o	505	CLA	MG-NB	-2.18	2.01	2.05
16	X	504	CLA	CMD-C2D	-2.18	1.46	1.50
16	a	1129	CLA	CMC-C2C	-2.18	1.46	1.50
16	H	1132	CLA	CMD-C2D	-2.18	1.46	1.50
16	H	1136	CLA	CMD-C2D	-2.18	1.46	1.50
16	Y	508	CLA	CHC-C1C	2.18	1.42	1.38
16	X	503	CLA	MG-NB	-2.18	2.01	2.05
16	A	1129	CLA	CMC-C2C	-2.17	1.46	1.50
16	w	511	CLA	CMD-C2D	-2.17	1.46	1.50
20	U	4101	LMT	O3B-C3B	-2.17	1.37	1.43
16	w	516	CLA	C3B-C4B	2.17	1.49	1.42
16	L	1501	CLA	CMD-C2D	-2.17	1.46	1.50
16	a	1137	CLA	CMB-C2B	-2.17	1.46	1.50
16	H	1111	CLA	CMD-C2D	-2.17	1.46	1.50
16	s	512	CLA	CMB-C2B	-2.17	1.46	1.50
16	q	513	CLA	CHC-C1C	2.17	1.42	1.38
16	x	513	CLA	MG-NB	-2.17	2.01	2.05
16	Z	516	CLA	CMB-C2B	-2.17	1.46	1.50
16	p	505	CLA	CMB-C2B	-2.17	1.46	1.50
16	U	1501	CLA	CMD-C2D	-2.17	1.46	1.50
16	u	513	CLA	CMD-C2D	-2.17	1.46	1.50
16	X	505	CLA	C3B-C4B	2.17	1.49	1.42
16	J	1302	CLA	MG-NB	-2.17	2.01	2.05
16	p	503	CLA	MG-NB	-2.17	2.01	2.05
16	q	507	CLA	MG-NB	-2.17	2.01	2.05
16	r	504	CLA	MG-NB	-2.17	2.01	2.05
16	A	1133	CLA	CMD-C2D	-2.17	1.46	1.50
16	Y	513	CLA	CMD-C2D	-2.17	1.46	1.50
16	n	503	CLA	C3B-C4B	2.17	1.49	1.42
16	a	1108	CLA	MG-NB	-2.17	2.01	2.05
16	Z	513	CLA	CMD-C2D	-2.17	1.46	1.50
16	x	509	CLA	CMB-C2B	-2.17	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	B	1228	CLA	C3B-C4B	2.17	1.49	1.42
16	g	508	CLA	CHC-C1C	2.17	1.42	1.38
16	A	1123	CLA	C3B-C4B	2.17	1.49	1.42
16	H	1120	CLA	CMD-C2D	-2.17	1.46	1.50
16	Y	514	CLA	MG-NB	-2.17	2.01	2.05
16	A	1801	CLA	CMB-C2B	-2.17	1.46	1.50
16	v	503	CLA	CMD-C2D	-2.17	1.46	1.50
16	a	1119	CLA	CHC-C1C	2.17	1.42	1.38
16	s	515	CLA	C3B-C4B	2.17	1.49	1.42
16	G	1201	CLA	MG-NB	-2.17	2.01	2.05
16	A	1106	CLA	CMD-C2D	-2.17	1.46	1.50
16	a	1101	CLA	CMC-C2C	-2.17	1.46	1.50
16	x	504	CLA	CHC-C1C	2.17	1.42	1.38
16	q	515	CLA	MG-NB	-2.17	2.01	2.05
16	A	1119	CLA	CMD-C2D	-2.17	1.46	1.50
16	A	1120	CLA	CMD-C2D	-2.17	1.46	1.50
16	l	1503	CLA	CMD-C2D	-2.17	1.46	1.50
16	G	1218	CLA	CMD-C2D	-2.17	1.46	1.50
16	w	503	CLA	CMD-C2D	-2.17	1.46	1.50
16	v	503	CLA	CHC-C1C	2.17	1.42	1.38
16	s	512	CLA	C3B-C4B	2.17	1.49	1.42
16	n	517	CLA	MG-NB	-2.17	2.01	2.05
16	w	507	CLA	CMB-C2B	-2.17	1.46	1.50
16	q	515	CLA	CHC-C1C	2.17	1.42	1.38
16	A	1114	CLA	CMD-C2D	-2.17	1.46	1.50
16	B	1213	CLA	CMD-C2D	-2.17	1.46	1.50
16	B	1217	CLA	MG-NB	-2.17	2.01	2.05
16	t	516	CLA	MG-NB	-2.17	2.01	2.05
20	L	4101	LMT	O2'-C2'	-2.17	1.37	1.43
16	X	515	CLA	C3B-C4B	2.17	1.49	1.42
16	A	1140	CLA	CMC-C2C	-2.17	1.46	1.50
16	p	505	CLA	CMC-C2C	-2.17	1.46	1.50
16	H	1114	CLA	CMB-C2B	-2.17	1.46	1.50
16	X	508	CLA	MG-NB	-2.17	2.01	2.05
16	a	1115	CLA	CMD-C2D	-2.17	1.46	1.50
16	H	1135	CLA	CMB-C2B	-2.17	1.46	1.50
16	A	1105	CLA	C3B-C4B	2.17	1.49	1.42
16	b	1208	CLA	C3B-C4B	2.17	1.49	1.42
16	a	1101	CLA	CHC-C1C	2.17	1.42	1.38
16	t	501	CLA	CHC-C1C	2.17	1.42	1.38
16	A	1126	CLA	CMB-C2B	-2.17	1.46	1.50
16	B	1021	CLA	CMC-C2C	-2.17	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	W	504	CLA	CMB-C2B	-2.17	1.46	1.50
16	a	1136	CLA	CMD-C2D	-2.17	1.46	1.50
16	p	512	CLA	CMD-C2D	-2.17	1.46	1.50
16	H	1104	CLA	CMD-C2D	-2.17	1.46	1.50
16	W	513	CLA	CHC-C1C	2.17	1.42	1.38
16	q	514	CLA	CHC-C1C	2.17	1.42	1.38
16	W	512	CLA	C3B-C4B	2.17	1.49	1.42
16	H	1120	CLA	C3B-C4B	2.17	1.49	1.42
16	a	1133	CLA	CMD-C2D	-2.17	1.46	1.50
16	a	1135	CLA	CMB-C2B	-2.17	1.46	1.50
16	n	505	CLA	CMB-C2B	-2.17	1.46	1.50
16	p	502	CLA	CMB-C2B	-2.17	1.46	1.50
16	u	514	CLA	CMD-C2D	-2.17	1.46	1.50
16	a	1115	CLA	MG-NB	-2.17	2.01	2.05
16	x	512	CLA	MG-NB	-2.17	2.01	2.05
16	r	514	CLA	CHC-C1C	2.17	1.42	1.38
16	s	508	CLA	CHC-C1C	2.17	1.42	1.38
16	a	1114	CLA	MG-NB	-2.17	2.01	2.05
16	b	1211	CLA	MG-NB	-2.17	2.01	2.05
16	r	511	CLA	MG-NB	-2.17	2.01	2.05
16	x	507	CLA	MG-NB	-2.17	2.01	2.05
16	s	516	CLA	CHC-C1C	2.17	1.42	1.38
16	G	1222	CLA	CMD-C2D	-2.17	1.46	1.50
16	x	510	CLA	CMD-C2D	-2.17	1.46	1.50
16	A	1113	CLA	MG-NB	-2.17	2.01	2.05
16	Y	512	CLA	CMD-C2D	-2.17	1.46	1.50
16	Z	504	CLA	CMD-C2D	-2.17	1.46	1.50
16	H	1102	CLA	CMD-C2D	-2.17	1.46	1.50
16	b	1210	CLA	C3B-C4B	2.17	1.49	1.42
16	g	512	CLA	MG-NB	-2.17	2.01	2.05
16	h	514	CLA	CHC-C1C	2.17	1.42	1.38
16	t	507	CLA	CHC-C1C	2.17	1.42	1.38
20	U	4101	LMT	O2'-C2'	-2.17	1.37	1.43
16	G	1210	CLA	CMD-C2D	-2.17	1.46	1.50
16	H	1108	CLA	CMD-C2D	-2.17	1.46	1.50
16	W	503	CLA	CHC-C1C	2.17	1.42	1.38
16	n	513	CLA	CHC-C1C	2.17	1.42	1.38
16	A	1118	CLA	C3B-C4B	2.17	1.49	1.42
16	Y	512	CLA	C3B-C4B	2.17	1.49	1.42
16	a	1137	CLA	CMC-C2C	-2.17	1.46	1.50
16	H	1402	CLA	MG-NB	-2.17	2.01	2.05
16	Y	515	CLA	CHC-C1C	2.16	1.42	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	a	1130	CLA	CHC-C1C	2.16	1.42	1.38
16	A	1104	CLA	CMC-C2C	-2.16	1.46	1.50
16	b	1234	CLA	CMC-C2C	-2.16	1.46	1.50
16	H	1139	CLA	CMB-C2B	-2.16	1.46	1.50
16	A	1129	CLA	C3B-C4B	2.16	1.49	1.42
16	a	1117	CLA	C3B-C4B	2.16	1.49	1.42
16	H	1108	CLA	C3B-C4B	2.16	1.49	1.42
16	A	1108	CLA	MG-NB	-2.16	2.01	2.05
16	Z	507	CLA	MG-NB	-2.16	2.01	2.05
16	q	513	CLA	MG-NB	-2.16	2.01	2.05
16	n	506	CLA	CHC-C1C	2.16	1.42	1.38
16	b	1225	CLA	C1B-C2B	2.16	1.48	1.43
16	A	1105	CLA	CMD-C2D	-2.16	1.46	1.50
16	b	1203	CLA	CMB-C2B	-2.16	1.46	1.50
16	G	1217	CLA	CMD-C2D	-2.16	1.46	1.50
16	u	508	CLA	CMB-C2B	-2.16	1.46	1.50
16	a	1120	CLA	C3B-C4B	2.16	1.49	1.42
16	s	501	CLA	C3B-C4B	2.16	1.49	1.42
16	u	501	CLA	MG-NB	-2.16	2.01	2.05
16	u	503	CLA	MG-NB	-2.16	2.01	2.05
16	a	1118	CLA	C3B-C4B	2.16	1.49	1.42
16	B	1202	CLA	CMC-C2C	-2.16	1.46	1.50
16	o	510	CLA	CMD-C2D	-2.16	1.46	1.50
16	h	511	CLA	MG-NB	-2.16	2.01	2.05
16	p	508	CLA	CHC-C1C	2.16	1.42	1.38
16	B	1210	CLA	CMD-C2D	-2.16	1.46	1.50
16	W	506	CLA	CMC-C2C	-2.16	1.46	1.50
16	g	509	CLA	CMD-C2D	-2.16	1.46	1.50
16	a	1113	CLA	CMC-C2C	-2.16	1.46	1.50
16	b	1203	CLA	CMC-C2C	-2.16	1.46	1.50
16	b	1210	CLA	CMD-C2D	-2.16	1.46	1.50
16	b	1216	CLA	CMD-C2D	-2.16	1.46	1.50
16	G	1228	CLA	C3B-C4B	2.16	1.49	1.42
16	S	1302	CLA	MG-NB	-2.16	2.01	2.05
16	b	1232	CLA	CHC-C1C	2.16	1.42	1.38
16	q	510	CLA	CHC-C1C	2.16	1.42	1.38
16	y	503	CLA	CMD-C2D	-2.16	1.46	1.50
16	v	505	CLA	MG-NB	-2.16	2.01	2.05
16	w	515	CLA	CHC-C1C	2.16	1.42	1.38
16	w	513	CLA	CMD-C2D	-2.16	1.46	1.50
16	s	504	CLA	MG-NB	-2.16	2.01	2.05
16	x	510	CLA	MG-NB	-2.16	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	F	1301	CLA	CMC-C2C	-2.16	1.46	1.50
16	W	503	CLA	CMD-C2D	-2.16	1.46	1.50
16	G	1216	CLA	CMD-C2D	-2.16	1.46	1.50
16	w	504	CLA	CMD-C2D	-2.16	1.46	1.50
16	H	1111	CLA	C3B-C4B	2.16	1.49	1.42
16	W	517	CLA	MG-NB	-2.16	2.01	2.05
16	G	1214	CLA	MG-ND	-2.16	2.01	2.05
16	t	508	CLA	MG-NB	-2.16	2.01	2.05
16	g	512	CLA	CHC-C1C	2.16	1.42	1.38
16	a	1105	CLA	C3B-C4B	2.16	1.49	1.42
16	v	504	CLA	MG-NB	-2.16	2.01	2.05
16	L	1502	CLA	CMC-C2C	-2.16	1.46	1.50
16	x	507	CLA	CMB-C2B	-2.16	1.46	1.50
16	W	512	CLA	MG-NB	-2.16	2.01	2.05
16	X	511	CLA	CHC-C1C	2.16	1.42	1.38
16	g	516	CLA	CHC-C1C	2.16	1.42	1.38
16	y	512	CLA	CHC-C1C	2.16	1.42	1.38
16	H	1101	CLA	CHC-C1C	2.16	1.42	1.38
16	t	511	CLA	CHC-C1C	2.16	1.42	1.38
16	a	1129	CLA	C3B-C4B	2.16	1.49	1.42
16	B	1216	CLA	CMC-C2C	-2.16	1.46	1.50
16	a	1102	CLA	CMC-C2C	-2.16	1.46	1.50
16	r	508	CLA	CHC-C1C	2.16	1.42	1.38
16	a	1125	CLA	CMB-C2B	-2.16	1.46	1.50
16	b	1228	CLA	CMD-C2D	-2.16	1.46	1.50
16	G	1209	CLA	CHC-C1C	2.16	1.42	1.38
16	b	1021	CLA	CMC-C2C	-2.16	1.46	1.50
16	u	512	CLA	CMB-C2B	-2.16	1.46	1.50
16	w	506	CLA	CMC-C2C	-2.16	1.46	1.50
16	p	501	CLA	C3B-C4B	2.16	1.49	1.42
16	u	504	CLA	MG-NB	-2.16	2.01	2.05
16	s	501	CLA	MG-NB	-2.16	2.01	2.05
16	A	1106	CLA	CMB-C2B	-2.16	1.46	1.50
16	t	505	CLA	CMB-C2B	-2.16	1.46	1.50
16	w	507	CLA	C3B-C4B	2.16	1.49	1.42
16	o	503	CLA	MG-NB	-2.16	2.01	2.05
16	o	513	CLA	MG-NB	-2.16	2.01	2.05
16	u	513	CLA	MG-NB	-2.16	2.01	2.05
16	A	1104	CLA	CHC-C1C	2.16	1.42	1.38
16	Y	505	CLA	CHC-C1C	2.16	1.42	1.38
16	X	510	CLA	CMD-C2D	-2.16	1.46	1.50
16	s	502	CLA	CMB-C2B	-2.16	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	Y	516	CLA	CHC-C1C	2.16	1.42	1.38
16	Z	515	CLA	MG-NB	-2.16	2.01	2.05
16	H	1108	CLA	MG-NB	-2.16	2.01	2.05
16	B	1204	CLA	CMB-C2B	-2.16	1.46	1.50
16	q	509	CLA	CMD-C2D	-2.16	1.46	1.50
16	H	1110	CLA	CMB-C2B	-2.16	1.46	1.50
16	G	1203	CLA	CMD-C2D	-2.16	1.46	1.50
16	u	514	CLA	CMB-C2B	-2.16	1.46	1.50
16	o	509	CLA	CHC-C1C	2.16	1.42	1.38
16	B	1201	CLA	CMC-C2C	-2.16	1.46	1.50
16	a	1102	CLA	CMD-C2D	-2.16	1.46	1.50
16	y	507	CLA	C3B-C4B	2.16	1.49	1.42
16	n	514	CLA	C3B-C4B	2.16	1.49	1.42
16	H	1125	CLA	C3B-C4B	2.16	1.49	1.42
16	H	1129	CLA	C3B-C4B	2.16	1.49	1.42
16	y	512	CLA	MG-NB	-2.16	2.01	2.05
16	A	1139	CLA	CMB-C2B	-2.16	1.46	1.50
16	Z	517	CLA	CMC-C2C	-2.16	1.46	1.50
16	a	1132	CLA	CMD-C2D	-2.16	1.46	1.50
16	b	1012	CLA	CMC-C2C	-2.16	1.46	1.50
16	b	1218	CLA	CMD-C2D	-2.16	1.46	1.50
16	p	509	CLA	CMB-C2B	-2.16	1.46	1.50
16	p	513	CLA	CMD-C2D	-2.16	1.46	1.50
16	p	517	CLA	CMC-C2C	-2.16	1.46	1.50
16	A	1119	CLA	CHC-C1C	2.16	1.42	1.38
16	p	515	CLA	CHC-C1C	2.16	1.42	1.38
16	u	516	CLA	CHC-C1C	2.16	1.42	1.38
16	v	501	CLA	CHC-C1C	2.16	1.42	1.38
16	n	512	CLA	MG-NB	-2.16	2.01	2.05
16	o	501	CLA	MG-NB	-2.16	2.01	2.05
16	B	1203	CLA	CMD-C2D	-2.16	1.46	1.50
16	Z	502	CLA	CMC-C2C	-2.16	1.46	1.50
16	G	1201	CLA	CMC-C2C	-2.16	1.46	1.50
16	h	504	CLA	CHC-C1C	2.16	1.42	1.38
16	B	1218	CLA	CMD-C2D	-2.16	1.46	1.50
16	W	509	CLA	CMB-C2B	-2.16	1.46	1.50
16	t	517	CLA	CMC-C2C	-2.16	1.46	1.50
16	u	508	CLA	MG-NB	-2.16	2.01	2.05
16	a	1116	CLA	C1B-C2B	2.16	1.48	1.43
16	Z	516	CLA	CHC-C1C	2.16	1.42	1.38
16	A	1111	CLA	C3B-C4B	2.16	1.49	1.42
16	W	505	CLA	CMB-C2B	-2.15	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	W	506	CLA	CMB-C2B	-2.15	1.46	1.50
16	A	1402	CLA	MG-NB	-2.15	2.01	2.05
16	q	511	CLA	MG-NB	-2.15	2.01	2.05
16	j	1302	CLA	MG-NB	-2.15	2.01	2.05
16	B	1209	CLA	CHC-C1C	2.15	1.42	1.38
16	x	515	CLA	CHC-C1C	2.15	1.42	1.38
16	v	502	CLA	CHC-C1C	2.15	1.42	1.38
16	a	1111	CLA	C3B-C4B	2.15	1.49	1.42
16	a	1104	CLA	CMC-C2C	-2.15	1.46	1.50
16	a	1105	CLA	CMD-C2D	-2.15	1.46	1.50
16	b	1213	CLA	CMD-C2D	-2.15	1.46	1.50
16	r	509	CLA	CMB-C2B	-2.15	1.46	1.50
16	Z	511	CLA	CHC-C1C	2.15	1.42	1.38
16	u	507	CLA	C3B-C4B	2.15	1.49	1.42
16	A	1135	CLA	CMB-C2B	-2.15	1.46	1.50
16	y	510	CLA	CMD-C2D	-2.15	1.46	1.50
16	T	1401	CLA	CMC-C2C	-2.15	1.46	1.50
16	q	508	CLA	CMD-C2D	-2.15	1.46	1.50
16	H	1402	CLA	CMD-C2D	-2.15	1.46	1.50
16	j	1302	CLA	CMD-C2D	-2.15	1.46	1.50
16	o	508	CLA	C3B-C4B	2.15	1.49	1.42
16	H	1105	CLA	C3B-C4B	2.15	1.49	1.42
16	H	1117	CLA	C3B-C4B	2.15	1.49	1.42
16	h	512	CLA	MG-NB	-2.15	2.01	2.05
16	t	507	CLA	MG-NB	-2.15	2.01	2.05
16	a	1114	CLA	CMB-C2B	-2.15	1.46	1.50
16	b	1202	CLA	CMC-C2C	-2.15	1.46	1.50
16	u	511	CLA	CMC-C2C	-2.15	1.46	1.50
16	w	509	CLA	CMD-C2D	-2.15	1.46	1.50
16	Y	516	CLA	MG-NB	-2.15	2.01	2.05
16	Z	502	CLA	CHC-C1C	2.15	1.42	1.38
16	y	501	CLA	CHC-C1C	2.15	1.42	1.38
16	y	508	CLA	CHC-C1C	2.15	1.42	1.38
16	H	1110	CLA	CHC-C1C	2.15	1.42	1.38
16	t	502	CLA	CMB-C2B	-2.15	1.46	1.50
16	w	505	CLA	CMD-C2D	-2.15	1.46	1.50
16	h	506	CLA	MG-NB	-2.15	2.01	2.05
16	H	1022	CLA	CAB-C3B	-2.15	1.41	1.47
16	a	1125	CLA	C3B-C4B	2.15	1.49	1.42
16	g	517	CLA	CMC-C2C	-2.15	1.46	1.50
16	a	1136	CLA	CMC-C2C	-2.15	1.46	1.50
16	q	509	CLA	CMC-C2C	-2.15	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	B	1207	CLA	MG-NB	-2.15	2.01	2.05
16	G	1207	CLA	MG-NB	-2.15	2.01	2.05
16	A	1108	CLA	CMD-C2D	-2.15	1.46	1.50
16	B	1229	CLA	CMC-C2C	-2.15	1.46	1.50
16	a	1801	CLA	CMB-C2B	-2.15	1.46	1.50
16	j	1303	CLA	CMB-C2B	-2.15	1.46	1.50
16	r	517	CLA	MG-NB	-2.15	2.01	2.05
16	Y	507	CLA	CMD-C2D	-2.15	1.46	1.50
16	H	1106	CLA	CMB-C2B	-2.15	1.46	1.50
16	v	505	CLA	CMB-C2B	-2.15	1.46	1.50
16	A	1022	CLA	CAB-C3B	-2.15	1.41	1.47
16	y	511	CLA	MG-NB	-2.15	2.01	2.05
16	h	502	CLA	CHC-C1C	2.15	1.42	1.38
16	W	512	CLA	CMB-C2B	-2.15	1.46	1.50
16	g	502	CLA	CMD-C2D	-2.15	1.46	1.50
16	a	1101	CLA	CMB-C2B	-2.15	1.46	1.50
16	p	512	CLA	C3B-C4B	2.15	1.49	1.42
16	A	1101	CLA	CMB-C2B	-2.15	1.46	1.50
16	A	1132	CLA	CMD-C2D	-2.15	1.46	1.50
16	B	1240	CLA	CMC-C2C	-2.15	1.46	1.50
16	b	1203	CLA	CMD-C2D	-2.15	1.46	1.50
16	w	508	CLA	CMD-C2D	-2.15	1.46	1.50
16	u	504	CLA	C3B-C4B	2.15	1.49	1.42
16	Y	504	CLA	MG-NB	-2.15	2.01	2.05
16	r	503	CLA	MG-NB	-2.15	2.01	2.05
16	g	503	CLA	CHC-C1C	2.15	1.42	1.38
16	G	1227	CLA	CMD-C2D	-2.15	1.46	1.50
16	t	504	CLA	CHC-C1C	2.15	1.42	1.38
16	b	1218	CLA	MG-NB	-2.15	2.01	2.05
16	p	513	CLA	MG-NB	-2.15	2.01	2.05
16	Z	510	CLA	C3B-C4B	2.15	1.49	1.42
16	Y	502	CLA	CMB-C2B	-2.15	1.46	1.50
16	s	504	CLA	CMD-C2D	-2.15	1.46	1.50
16	B	1227	CLA	CMD-C2D	-2.15	1.46	1.50
16	a	1122	CLA	CMD-C2D	-2.15	1.46	1.50
16	l	1502	CLA	CMC-C2C	-2.15	1.46	1.50
16	r	510	CLA	CMD-C2D	-2.15	1.46	1.50
16	G	1227	CLA	CMC-C2C	-2.15	1.46	1.50
16	b	1209	CLA	CHC-C1C	2.15	1.42	1.38
16	o	511	CLA	CHC-C1C	2.15	1.42	1.38
16	o	515	CLA	CHC-C1C	2.15	1.42	1.38
16	x	503	CLA	MG-NB	-2.15	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	Z	508	CLA	CMB-C2B	-2.15	1.46	1.50
16	U	1502	CLA	CMC-C2C	-2.15	1.46	1.50
16	x	513	CLA	CMD-C2D	-2.15	1.46	1.50
16	H	1101	CLA	CMC-C2C	-2.15	1.46	1.50
16	t	514	CLA	CMB-C2B	-2.15	1.46	1.50
16	p	507	CLA	C3B-C4B	2.15	1.49	1.42
16	n	504	CLA	CHC-C1C	2.15	1.42	1.38
16	w	501	CLA	CHC-C1C	2.15	1.42	1.38
19	G	4010	BCR	C33-C5	-2.15	1.47	1.50
16	h	503	CLA	CHC-C1C	2.15	1.42	1.38
16	Z	514	CLA	MG-NB	-2.15	2.01	2.05
16	h	504	CLA	MG-NB	-2.15	2.01	2.05
16	H	1115	CLA	MG-NB	-2.15	2.01	2.05
16	G	1213	CLA	CMD-C2D	-2.15	1.46	1.50
14	s	701	LMG	O7-C8	-2.15	1.41	1.46
16	A	1101	CLA	CHC-C1C	2.15	1.42	1.38
16	W	506	CLA	CHC-C1C	2.15	1.42	1.38
16	W	516	CLA	MG-NB	-2.15	2.01	2.05
16	Y	514	CLA	CMD-C2D	-2.15	1.46	1.50
16	b	1213	CLA	CMC-C2C	-2.15	1.46	1.50
16	n	514	CLA	CMB-C2B	-2.15	1.46	1.50
16	H	1801	CLA	CMB-C2B	-2.15	1.46	1.50
16	p	503	CLA	CHC-C1C	2.15	1.42	1.38
16	a	1127	CLA	CMC-C2C	-2.15	1.46	1.50
16	a	1139	CLA	CMC-C2C	-2.15	1.46	1.50
16	q	514	CLA	CMB-C2B	-2.15	1.46	1.50
16	A	1801	CLA	MG-NB	-2.15	2.01	2.05
16	o	504	CLA	MG-NB	-2.15	2.01	2.05
16	p	510	CLA	CMD-C2D	-2.15	1.46	1.50
16	G	1236	CLA	C3B-C4B	2.15	1.49	1.42
16	B	1232	CLA	CHC-C1C	2.14	1.42	1.38
16	s	505	CLA	CMC-C2C	-2.14	1.46	1.50
16	s	510	CLA	CMD-C2D	-2.14	1.46	1.50
16	Q	1301	CLA	CMC-C2C	-2.14	1.46	1.50
16	B	1023	CLA	C1D-ND	2.14	1.40	1.37
16	X	501	CLA	CHC-C1C	2.14	1.42	1.38
16	x	513	CLA	CHC-C1C	2.14	1.42	1.38
16	a	1022	CLA	CAB-C3B	-2.14	1.41	1.47
16	a	1118	CLA	CMC-C2C	-2.14	1.46	1.50
16	r	517	CLA	CMC-C2C	-2.14	1.46	1.50
14	H	852	LMG	O7-C8	-2.14	1.41	1.46
16	h	516	CLA	CHC-C1C	2.14	1.42	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	v	516	CLA	CHC-C1C	2.14	1.42	1.38
16	p	501	CLA	MG-NB	-2.14	2.01	2.05
16	A	1111	CLA	CMC-C2C	-2.14	1.46	1.50
16	o	509	CLA	CMD-C2D	-2.14	1.46	1.50
16	Q	1302	CLA	MG-NB	-2.14	2.01	2.05
16	a	1140	CLA	CMC-C2C	-2.14	1.46	1.50
16	b	1210	CLA	CMB-C2B	-2.14	1.46	1.50
16	h	514	CLA	CMB-C2B	-2.14	1.46	1.50
16	h	514	CLA	CMD-C2D	-2.14	1.46	1.50
16	b	1219	CLA	C3B-C4B	2.14	1.49	1.42
16	H	1103	CLA	C3B-C4B	2.14	1.49	1.42
16	a	1136	CLA	CHC-C1C	2.14	1.42	1.38
16	n	508	CLA	CHC-C1C	2.14	1.42	1.38
16	h	513	CLA	CHC-C1C	2.14	1.42	1.38
16	Y	517	CLA	MG-NB	-2.14	2.01	2.05
16	g	514	CLA	MG-NB	-2.14	2.01	2.05
16	Y	509	CLA	CMC-C2C	-2.14	1.46	1.50
16	G	1012	CLA	CMC-C2C	-2.14	1.46	1.50
16	X	504	CLA	CHC-C1C	2.14	1.42	1.38
16	p	516	CLA	CHC-C1C	2.14	1.42	1.38
16	r	501	CLA	CHC-C1C	2.14	1.42	1.38
16	y	505	CLA	MG-NB	-2.14	2.01	2.05
16	H	1113	CLA	MG-NB	-2.14	2.01	2.05
16	t	504	CLA	MG-NB	-2.14	2.01	2.05
16	t	506	CLA	C3B-C4B	2.14	1.49	1.42
16	A	1125	CLA	CMB-C2B	-2.14	1.46	1.50
16	A	1801	CLA	CMD-C2D	-2.14	1.46	1.50
16	H	1113	CLA	CMC-C2C	-2.14	1.46	1.50
16	H	1137	CLA	CMC-C2C	-2.14	1.46	1.50
19	i	4020	BCR	C33-C5	-2.14	1.47	1.50
16	B	1222	CLA	CHC-C1C	2.14	1.42	1.38
16	w	514	CLA	CHC-C1C	2.14	1.42	1.38
16	w	508	CLA	MG-NB	-2.14	2.01	2.05
16	f	1302	CLA	MG-NB	-2.14	2.01	2.05
16	A	1110	CLA	CMB-C2B	-2.14	1.46	1.50
16	H	1105	CLA	CMD-C2D	-2.14	1.46	1.50
16	H	1110	CLA	CMC-C2C	-2.14	1.46	1.50
16	G	1225	CLA	C1B-NB	-2.14	1.35	1.37
16	o	513	CLA	CHC-C1C	2.14	1.42	1.38
16	A	1115	CLA	CMD-C2D	-2.14	1.46	1.50
16	a	1139	CLA	CMB-C2B	-2.14	1.46	1.50
16	q	508	CLA	CMB-C2B	-2.14	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	H	1101	CLA	CMB-C2B	-2.14	1.46	1.50
16	b	1224	CLA	C3B-C4B	2.14	1.49	1.42
16	A	1117	CLA	C3B-C4B	2.14	1.49	1.42
16	n	501	CLA	CHC-C1C	2.14	1.42	1.38
16	B	1208	CLA	CMB-C2B	-2.14	1.46	1.50
16	u	510	CLA	CMB-C2B	-2.14	1.46	1.50
16	A	1136	CLA	CMC-C2C	-2.14	1.46	1.50
16	y	501	CLA	CMB-C2B	-2.14	1.46	1.50
16	n	513	CLA	CMD-C2D	-2.14	1.46	1.50
16	H	1115	CLA	CMD-C2D	-2.14	1.46	1.50
16	G	1213	CLA	CMC-C2C	-2.14	1.46	1.50
16	A	1124	CLA	MG-ND	-2.14	2.01	2.05
16	L	1503	CLA	C3B-C4B	2.14	1.49	1.42
16	b	1235	CLA	C1B-NB	-2.14	1.35	1.37
15	A	1011	CL0	CMC-C2C	-2.14	1.46	1.50
16	r	509	CLA	CMD-C2D	-2.14	1.46	1.50
16	o	512	CLA	C3B-C4B	2.14	1.49	1.42
16	B	1213	CLA	CHC-C1C	2.14	1.42	1.38
16	q	503	CLA	CHC-C1C	2.14	1.42	1.38
16	A	1127	CLA	CMC-C2C	-2.14	1.46	1.50
16	Y	510	CLA	CMB-C2B	-2.14	1.46	1.50
16	Y	511	CLA	CMD-C2D	-2.14	1.46	1.50
16	Z	509	CLA	CMD-C2D	-2.14	1.46	1.50
16	H	1119	CLA	CMD-C2D	-2.14	1.46	1.50
16	s	517	CLA	CMC-C2C	-2.14	1.46	1.50
16	f	1301	CLA	CMC-C2C	-2.14	1.46	1.50
16	x	517	CLA	MG-NB	-2.14	2.01	2.05
16	K	1401	CLA	C3B-C4B	2.14	1.49	1.42
16	W	507	CLA	CMB-C2B	-2.14	1.46	1.50
16	X	509	CLA	CMD-C2D	-2.14	1.46	1.50
16	r	511	CLA	CMB-C2B	-2.14	1.46	1.50
16	h	512	CLA	CHC-C1C	2.14	1.42	1.38
16	W	510	CLA	CMB-C2B	-2.14	1.46	1.50
16	X	504	CLA	MG-NB	-2.14	2.01	2.05
16	a	1110	CLA	CHC-C1C	2.14	1.42	1.38
16	Z	514	CLA	CMD-C2D	-2.14	1.46	1.50
16	v	506	CLA	MG-NB	-2.14	2.01	2.05
16	B	1236	CLA	C3B-C4B	2.14	1.49	1.42
16	n	516	CLA	CHC-C1C	2.14	1.42	1.38
16	t	509	CLA	CHC-C1C	2.14	1.42	1.38
16	w	509	CLA	CHC-C1C	2.14	1.42	1.38
16	b	1225	CLA	CMC-C2C	-2.14	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	v	507	CLA	CMD-C2D	-2.14	1.46	1.50
16	A	1137	CLA	CMC-C2C	-2.14	1.46	1.50
16	b	1227	CLA	CMC-C2C	-2.14	1.46	1.50
16	q	503	CLA	CMD-C2D	-2.14	1.46	1.50
16	u	507	CLA	CMD-C2D	-2.14	1.46	1.50
16	W	514	CLA	CHC-C1C	2.14	1.42	1.38
16	q	501	CLA	CHC-C1C	2.14	1.42	1.38
16	x	506	CLA	C3B-C4B	2.14	1.49	1.42
16	B	1231	CLA	CMB-C2B	-2.14	1.46	1.50
16	y	507	CLA	CMD-C2D	-2.14	1.46	1.50
16	b	1238	CLA	CMC-C2C	-2.14	1.46	1.50
16	w	504	CLA	CHC-C1C	2.14	1.42	1.38
16	y	515	CLA	MG-NB	-2.14	2.01	2.05
16	G	1234	CLA	MG-ND	-2.14	2.01	2.05
16	s	514	CLA	CMD-C2D	-2.14	1.46	1.50
16	S	1303	CLA	CMB-C2B	-2.14	1.46	1.50
16	a	1102	CLA	C1B-C2B	2.14	1.48	1.43
16	A	1122	CLA	CMC-C2C	-2.14	1.46	1.50
16	s	510	CLA	CMB-C2B	-2.14	1.46	1.50
16	Z	501	CLA	CHC-C1C	2.14	1.42	1.38
16	a	1108	CLA	C3B-C4B	2.14	1.49	1.42
16	X	517	CLA	MG-NB	-2.14	2.01	2.05
16	s	513	CLA	MG-NB	-2.14	2.01	2.05
16	B	1212	CLA	CMB-C2B	-2.13	1.46	1.50
16	b	1201	CLA	CMC-C2C	-2.13	1.46	1.50
16	b	1227	CLA	CMD-C2D	-2.13	1.46	1.50
16	H	1139	CLA	CMC-C2C	-2.13	1.46	1.50
16	u	510	CLA	CMD-C2D	-2.13	1.46	1.50
16	q	516	CLA	CHC-C1C	2.13	1.42	1.38
16	b	1224	CLA	C1B-NB	-2.13	1.35	1.37
16	X	508	CLA	CMB-C2B	-2.13	1.46	1.50
16	a	1117	CLA	CMC-C2C	-2.13	1.46	1.50
16	G	1240	CLA	CMC-C2C	-2.13	1.46	1.50
16	u	511	CLA	CHC-C1C	2.13	1.42	1.38
16	A	1103	CLA	C3B-C4B	2.13	1.49	1.42
16	n	507	CLA	CMB-C2B	-2.13	1.46	1.50
16	q	510	CLA	CMD-C2D	-2.13	1.46	1.50
16	H	1133	CLA	CMC-C2C	-2.13	1.46	1.50
16	h	501	CLA	CHC-C1C	2.13	1.42	1.38
16	u	505	CLA	CHC-C1C	2.13	1.42	1.38
16	B	1201	CLA	MG-NB	-2.13	2.01	2.05
16	Y	508	CLA	MG-NB	-2.13	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	G	1224	CLA	MG-ND	-2.13	2.01	2.05
16	v	503	CLA	MG-NB	-2.13	2.01	2.05
16	b	1240	CLA	CMC-C2C	-2.13	1.46	1.50
16	y	514	CLA	MG-NB	-2.13	2.01	2.05
16	p	507	CLA	CMD-C2D	-2.13	1.46	1.50
16	o	507	CLA	CHC-C1C	2.13	1.42	1.38
16	r	505	CLA	MG-NB	-2.13	2.01	2.05
16	p	509	CLA	CMC-C2C	-2.13	1.46	1.50
16	H	1118	CLA	CMC-C2C	-2.13	1.46	1.50
16	X	505	CLA	CHC-C1C	2.13	1.42	1.38
16	G	1208	CLA	CHC-C1C	2.13	1.42	1.38
16	h	506	CLA	C3B-C4B	2.13	1.49	1.42
16	B	1227	CLA	CMC-C2C	-2.13	1.46	1.50
16	Y	510	CLA	CMD-C2D	-2.13	1.46	1.50
13	R	103	LHG	O7-C5	-2.13	1.41	1.46
16	X	507	CLA	CMD-C2D	-2.13	1.46	1.50
16	j	1303	CLA	CMD-C2D	-2.13	1.46	1.50
16	g	515	CLA	CHC-C1C	2.13	1.42	1.38
16	t	513	CLA	MG-NB	-2.13	2.01	2.05
16	b	1236	CLA	C3B-C4B	2.13	1.48	1.42
16	y	505	CLA	CMB-C2B	-2.13	1.46	1.50
16	a	1133	CLA	CMC-C2C	-2.13	1.46	1.50
16	b	1210	CLA	CMC-C2C	-2.13	1.46	1.50
16	G	1210	CLA	CMC-C2C	-2.13	1.46	1.50
16	H	1130	CLA	CHC-C1C	2.13	1.42	1.38
16	G	1222	CLA	CHC-C1C	2.13	1.42	1.38
14	a	852	LMG	O7-C8	-2.13	1.41	1.46
16	v	515	CLA	MG-NB	-2.13	2.01	2.05
16	s	508	CLA	CMB-C2B	-2.13	1.46	1.50
16	t	508	CLA	CHC-C1C	2.13	1.42	1.38
16	v	512	CLA	CHC-C1C	2.13	1.42	1.38
16	y	501	CLA	MG-NB	-2.13	2.01	2.05
16	J	1303	CLA	CMB-C2B	-2.13	1.46	1.50
16	Y	513	CLA	MG-NB	-2.13	2.01	2.05
16	p	512	CLA	CMB-C2B	-2.13	1.46	1.50
16	h	509	CLA	CMC-C2C	-2.13	1.46	1.50
16	b	1214	CLA	MG-ND	-2.13	2.01	2.05
16	b	1235	CLA	C3B-C4B	2.13	1.48	1.42
16	q	507	CLA	C3B-C4B	2.13	1.48	1.42
16	B	1209	CLA	CMD-C2D	-2.13	1.46	1.50
16	X	510	CLA	CMB-C2B	-2.13	1.46	1.50
16	w	512	CLA	CMD-C2D	-2.13	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	A	1130	CLA	CHC-C1C	2.13	1.42	1.38
16	W	506	CLA	C3B-C4B	2.13	1.48	1.42
16	A	1101	CLA	CMC-C2C	-2.13	1.46	1.50
16	w	508	CLA	CMB-C2B	-2.13	1.46	1.50
16	x	503	CLA	CHC-C1C	2.13	1.42	1.38
16	H	1117	CLA	CMC-C2C	-2.13	1.46	1.50
16	r	515	CLA	CHC-C1C	2.13	1.42	1.38
16	w	503	CLA	CHC-C1C	2.13	1.42	1.38
16	q	508	CLA	MG-NB	-2.13	2.01	2.05
16	a	1114	CLA	CMD-C2D	-2.13	1.46	1.50
16	H	1801	CLA	CMD-C2D	-2.13	1.46	1.50
16	G	1236	CLA	CMD-C2D	-2.13	1.46	1.50
13	I	103	LHG	O7-C5	-2.13	1.41	1.46
16	h	510	CLA	CHC-C1C	2.13	1.42	1.38
16	A	1122	CLA	C3B-C4B	2.13	1.48	1.42
16	A	1125	CLA	C3B-C4B	2.13	1.48	1.42
16	X	517	CLA	CMC-C2C	-2.13	1.46	1.50
16	a	1134	CLA	CMD-C2D	-2.13	1.46	1.50
16	b	1229	CLA	CMC-C2C	-2.13	1.46	1.50
16	h	509	CLA	CMD-C2D	-2.13	1.46	1.50
16	A	1108	CLA	C3B-C4B	2.13	1.48	1.42
16	v	506	CLA	C3B-C4B	2.13	1.48	1.42
16	b	1219	CLA	CMD-C2D	-2.13	1.46	1.50
16	s	503	CLA	CMC-C2C	-2.13	1.46	1.50
16	w	514	CLA	CMD-C2D	-2.13	1.46	1.50
16	A	1402	CLA	CHC-C1C	2.13	1.42	1.38
16	X	513	CLA	CHC-C1C	2.13	1.42	1.38
16	G	1219	CLA	C3B-C4B	2.13	1.48	1.42
16	W	507	CLA	MG-NB	-2.13	2.01	2.05
16	g	517	CLA	MG-NB	-2.13	2.01	2.05
16	X	506	CLA	CMC-C2C	-2.13	1.46	1.50
16	s	507	CLA	C3B-C4B	2.13	1.48	1.42
16	X	514	CLA	CMB-C2B	-2.13	1.46	1.50
16	v	509	CLA	CMD-C2D	-2.13	1.46	1.50
16	v	510	CLA	CMD-C2D	-2.13	1.46	1.50
16	t	514	CLA	MG-NB	-2.13	2.01	2.05
16	W	508	CLA	CMB-C2B	-2.13	1.46	1.50
16	Y	516	CLA	CMB-C2B	-2.13	1.46	1.50
16	n	502	CLA	CMB-C2B	-2.13	1.46	1.50
16	U	1503	CLA	CMB-C2B	-2.13	1.46	1.50
16	n	514	CLA	MG-NB	-2.13	2.01	2.05
16	r	513	CLA	MG-NB	-2.13	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	w	513	CLA	MG-NB	-2.13	2.01	2.05
16	l	1503	CLA	C3B-C4B	2.12	1.48	1.42
16	A	1116	CLA	CHC-C1C	2.12	1.42	1.38
16	B	1210	CLA	CMC-C2C	-2.12	1.46	1.50
16	Z	514	CLA	CMB-C2B	-2.12	1.46	1.50
16	G	1219	CLA	CMD-C2D	-2.12	1.46	1.50
16	s	511	CLA	CMD-C2D	-2.12	1.46	1.50
16	a	1124	CLA	MG-ND	-2.12	2.01	2.05
16	p	510	CLA	C3B-C4B	2.12	1.48	1.42
16	k	1401	CLA	C3B-C4B	2.12	1.48	1.42
16	b	1204	CLA	CMC-C2C	-2.12	1.46	1.50
16	H	1140	CLA	CMC-C2C	-2.12	1.46	1.50
16	y	508	CLA	MG-NB	-2.12	2.01	2.05
16	b	1201	CLA	MG-NB	-2.12	2.01	2.05
16	v	511	CLA	MG-NB	-2.12	2.01	2.05
16	v	514	CLA	CHC-C1C	2.12	1.42	1.38
16	B	1215	CLA	CMC-C2C	-2.12	1.46	1.50
16	B	1234	CLA	CMD-C2D	-2.12	1.46	1.50
16	J	1302	CLA	CMB-C2B	-2.12	1.46	1.50
16	Y	508	CLA	CMB-C2B	-2.12	1.46	1.50
16	o	508	CLA	CMB-C2B	-2.12	1.46	1.50
16	n	511	CLA	MG-NB	-2.12	2.01	2.05
16	A	1110	CLA	CHC-C1C	2.12	1.42	1.38
16	r	505	CLA	CHC-C1C	2.12	1.42	1.38
16	G	1228	CLA	CHC-C1C	2.12	1.42	1.38
16	A	1118	CLA	CMC-C2C	-2.12	1.46	1.50
16	b	1236	CLA	CMD-C2D	-2.12	1.46	1.50
16	B	1221	CLA	MG-ND	-2.12	2.01	2.05
16	g	501	CLA	CHC-C1C	2.12	1.42	1.38
16	x	509	CLA	CHC-C1C	2.12	1.42	1.38
16	A	1113	CLA	CMC-C2C	-2.12	1.46	1.50
16	v	509	CLA	CMC-C2C	-2.12	1.46	1.50
16	a	1113	CLA	MG-NB	-2.12	2.01	2.05
16	r	502	CLA	CHC-C1C	2.12	1.42	1.38
16	W	517	CLA	CMC-C2C	-2.12	1.46	1.50
16	X	516	CLA	CMD-C2D	-2.12	1.46	1.50
16	p	513	CLA	CMB-C2B	-2.12	1.46	1.50
16	Z	507	CLA	C3B-C4B	2.12	1.48	1.42
16	b	1234	CLA	MG-ND	-2.12	2.01	2.05
16	h	509	CLA	CHC-C1C	2.12	1.42	1.38
16	p	508	CLA	CMB-C2B	-2.12	1.46	1.50
16	x	507	CLA	CMD-C2D	-2.12	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	x	515	CLA	CMD-C2D	-2.12	1.46	1.50
16	t	511	CLA	MG-NB	-2.12	2.01	2.05
16	w	510	CLA	CHC-C1C	2.12	1.42	1.38
16	y	516	CLA	CMB-C2B	-2.12	1.46	1.50
16	q	505	CLA	CMB-C2B	-2.12	1.46	1.50
16	G	1234	CLA	CMD-C2D	-2.12	1.46	1.50
16	s	503	CLA	CMD-C2D	-2.12	1.46	1.50
16	y	516	CLA	MG-NB	-2.12	2.01	2.05
16	U	1501	CLA	C3B-C4B	2.12	1.48	1.42
16	Z	506	CLA	CMC-C2C	-2.12	1.46	1.50
16	a	1119	CLA	CMD-C2D	-2.12	1.46	1.50
16	a	1135	CLA	CMC-C2C	-2.12	1.46	1.50
16	n	507	CLA	MG-NB	-2.12	2.01	2.05
16	n	508	CLA	MG-NB	-2.12	2.01	2.05
16	n	513	CLA	MG-NB	-2.12	2.01	2.05
16	A	1104	CLA	C3B-C4B	2.12	1.48	1.42
16	a	1133	CLA	C3B-C4B	2.12	1.48	1.42
16	A	1136	CLA	CHC-C1C	2.12	1.42	1.38
16	a	1104	CLA	CHC-C1C	2.12	1.42	1.38
16	y	508	CLA	CMD-C2D	-2.12	1.46	1.50
16	G	1223	CLA	CMC-C2C	-2.12	1.46	1.50
16	r	504	CLA	CHC-C1C	2.12	1.42	1.38
16	w	513	CLA	CHC-C1C	2.12	1.42	1.38
16	a	1801	CLA	CMD-C2D	-2.12	1.46	1.50
16	B	1218	CLA	CHC-C1C	2.12	1.42	1.38
16	X	514	CLA	CMD-C2D	-2.12	1.46	1.50
16	y	503	CLA	CHC-C1C	2.12	1.42	1.38
16	H	1402	CLA	CHC-C1C	2.12	1.42	1.38
16	B	1236	CLA	CMD-C2D	-2.12	1.46	1.50
16	x	501	CLA	MG-NB	-2.12	2.01	2.05
16	X	507	CLA	CHC-C1C	2.12	1.42	1.38
16	H	1104	CLA	CHC-C1C	2.12	1.42	1.38
16	G	1229	CLA	CMC-C2C	-2.12	1.46	1.50
16	Z	509	CLA	CHC-C1C	2.12	1.42	1.38
16	y	507	CLA	CHC-C1C	2.12	1.42	1.38
16	t	506	CLA	CHC-C1C	2.12	1.42	1.38
16	a	1126	CLA	C1B-C2B	2.12	1.48	1.43
16	Y	506	CLA	CMC-C2C	-2.12	1.46	1.50
16	n	510	CLA	CMB-C2B	-2.12	1.46	1.50
16	h	510	CLA	CMD-C2D	-2.12	1.46	1.50
16	Z	508	CLA	MG-NB	-2.12	2.01	2.05
16	h	501	CLA	MG-NB	-2.12	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	y	509	CLA	CMD-C2D	-2.12	1.46	1.50
16	b	1239	CLA	CMC-C2C	-2.12	1.46	1.50
16	h	515	CLA	CMB-C2B	-2.12	1.46	1.50
16	t	505	CLA	CMD-C2D	-2.12	1.46	1.50
16	G	1212	CLA	C3B-C4B	2.12	1.48	1.42
16	a	1801	CLA	CHC-C1C	2.12	1.42	1.38
16	G	1208	CLA	CMD-C2D	-2.12	1.46	1.50
16	a	1125	CLA	MG-ND	-2.12	2.01	2.05
16	h	505	CLA	MG-NB	-2.12	2.01	2.05
16	H	1125	CLA	MG-ND	-2.12	2.01	2.05
16	b	1209	CLA	CMD-C2D	-2.12	1.46	1.50
16	w	509	CLA	CMC-C2C	-2.12	1.46	1.50
16	H	1114	CLA	CHC-C1C	2.12	1.42	1.38
16	Y	507	CLA	C3B-C4B	2.12	1.48	1.42
16	Z	505	CLA	MG-NB	-2.12	2.01	2.05
15	a	1011	CL0	CMC-C2C	-2.12	1.46	1.50
16	B	1223	CLA	CMC-C2C	-2.12	1.46	1.50
16	Y	503	CLA	CMD-C2D	-2.12	1.46	1.50
16	y	514	CLA	CMD-C2D	-2.12	1.46	1.50
16	b	1208	CLA	CMB-C2B	-2.12	1.46	1.50
16	b	1234	CLA	CMD-C2D	-2.12	1.46	1.50
16	G	1225	CLA	CMC-C2C	-2.12	1.46	1.50
16	r	508	CLA	MG-NB	-2.12	2.01	2.05
16	Z	513	CLA	CHC-C1C	2.12	1.42	1.38
16	G	1215	CLA	CHC-C1C	2.12	1.42	1.38
16	W	513	CLA	MG-NB	-2.12	2.01	2.05
16	a	1111	CLA	CMC-C2C	-2.11	1.46	1.50
16	b	1212	CLA	CMB-C2B	-2.11	1.46	1.50
16	b	1214	CLA	CMD-C2D	-2.11	1.46	1.50
16	p	510	CLA	CMB-C2B	-2.11	1.46	1.50
16	r	508	CLA	CMB-C2B	-2.11	1.46	1.50
16	G	1209	CLA	CMD-C2D	-2.11	1.46	1.50
16	t	509	CLA	CMD-C2D	-2.11	1.46	1.50
16	A	1102	CLA	C1B-C2B	2.11	1.48	1.43
16	F	1301	CLA	CHC-C1C	2.11	1.42	1.38
16	W	516	CLA	CHC-C1C	2.11	1.42	1.38
16	u	509	CLA	CHC-C1C	2.11	1.42	1.38
19	I	4020	BCR	C33-C5	-2.11	1.47	1.50
16	a	1104	CLA	C3B-C4B	2.11	1.48	1.42
16	H	1104	CLA	C3B-C4B	2.11	1.48	1.42
16	T	1401	CLA	C3B-C4B	2.11	1.48	1.42
16	S	1303	CLA	CMD-C2D	-2.11	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	g	509	CLA	CHC-C1C	2.11	1.42	1.38
16	B	1234	CLA	MG-ND	-2.11	2.01	2.05
16	B	1204	CLA	CMC-C2C	-2.11	1.46	1.50
16	B	1213	CLA	CMC-C2C	-2.11	1.46	1.50
16	q	517	CLA	CMC-C2C	-2.11	1.46	1.50
16	h	507	CLA	CMD-C2D	-2.11	1.46	1.50
16	x	514	CLA	CMB-C2B	-2.11	1.46	1.50
16	a	1801	CLA	MG-NB	-2.11	2.01	2.05
16	b	1223	CLA	MG-ND	-2.11	2.01	2.05
16	q	506	CLA	CMC-C2C	-2.11	1.46	1.50
16	G	1211	CLA	CMB-C2B	-2.11	1.46	1.50
16	w	505	CLA	CMB-C2B	-2.11	1.46	1.50
16	a	1402	CLA	CHC-C1C	2.11	1.42	1.38
16	w	514	CLA	MG-NB	-2.11	2.01	2.05
16	Z	505	CLA	CMB-C2B	-2.11	1.46	1.50
16	g	508	CLA	CMB-C2B	-2.11	1.46	1.50
16	G	1212	CLA	CMB-C2B	-2.11	1.46	1.50
16	G	1231	CLA	CMB-C2B	-2.11	1.46	1.50
16	b	1236	CLA	CHC-C1C	2.11	1.42	1.38
16	Z	513	CLA	MG-NB	-2.11	2.01	2.05
16	g	513	CLA	MG-NB	-2.11	2.01	2.05
16	a	1402	CLA	MG-NB	-2.11	2.01	2.05
16	A	1139	CLA	CMC-C2C	-2.11	1.46	1.50
16	B	1210	CLA	CMB-C2B	-2.11	1.46	1.50
16	H	1122	CLA	C3B-C4B	2.11	1.48	1.42
16	v	517	CLA	MG-NB	-2.11	2.01	2.05
16	B	1212	CLA	CMC-C2C	-2.11	1.46	1.50
16	Z	511	CLA	CMD-C2D	-2.11	1.46	1.50
16	g	514	CLA	CMB-C2B	-2.11	1.46	1.50
16	o	514	CLA	CMD-C2D	-2.11	1.46	1.50
16	G	1238	CLA	CMC-C2C	-2.11	1.46	1.50
16	v	504	CLA	CHC-C1C	2.11	1.42	1.38
16	G	1235	CLA	C3B-C4B	2.11	1.48	1.42
16	B	1214	CLA	MG-ND	-2.11	2.01	2.05
16	Y	517	CLA	CMD-C2D	-2.11	1.46	1.50
16	y	513	CLA	CMD-C2D	-2.11	1.46	1.50
16	o	517	CLA	CMD-C2D	-2.11	1.46	1.50
16	p	503	CLA	CMC-C2C	-2.11	1.46	1.50
16	a	1122	CLA	C3B-C4B	2.11	1.48	1.42
16	B	1229	CLA	CMD-C2D	-2.11	1.46	1.50
16	h	515	CLA	MG-NB	-2.11	2.01	2.05
16	B	1224	CLA	CMC-C2C	-2.11	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	n	505	CLA	CMD-C2D	-2.11	1.46	1.50
19	X	601	BCR	C38-C26	-2.11	1.47	1.50
16	u	513	CLA	CHC-C1C	2.11	1.42	1.38
16	B	1219	CLA	CMD-C2D	-2.11	1.46	1.50
16	B	1225	CLA	CMC-C2C	-2.11	1.46	1.50
16	X	501	CLA	CMB-C2B	-2.11	1.46	1.50
16	H	1114	CLA	CMD-C2D	-2.11	1.46	1.50
16	G	1239	CLA	CMC-C2C	-2.11	1.46	1.50
16	u	501	CLA	CMB-C2B	-2.11	1.46	1.50
16	j	1302	CLA	CMB-C2B	-2.11	1.46	1.50
16	X	501	CLA	MG-NB	-2.11	2.01	2.05
16	Z	511	CLA	MG-NB	-2.11	2.01	2.05
16	B	1212	CLA	C3B-C4B	2.11	1.48	1.42
16	B	1224	CLA	C3B-C4B	2.11	1.48	1.42
16	G	1224	CLA	C3B-C4B	2.11	1.48	1.42
16	t	507	CLA	CMB-C2B	-2.11	1.46	1.50
16	Z	512	CLA	CHC-C1C	2.11	1.42	1.38
16	l	1501	CLA	C3B-C4B	2.11	1.48	1.42
16	Z	509	CLA	CMC-C2C	-2.11	1.46	1.50
16	H	1111	CLA	CMC-C2C	-2.11	1.46	1.50
16	a	1121	CLA	C3B-C4B	2.11	1.48	1.42
16	x	512	CLA	CHC-C1C	2.11	1.42	1.38
19	G	4014	BCR	C33-C5	-2.11	1.47	1.50
16	A	1115	CLA	CMB-C2B	-2.11	1.46	1.50
16	G	1208	CLA	CMB-C2B	-2.11	1.46	1.50
16	H	1124	CLA	MG-ND	-2.11	2.01	2.05
16	s	517	CLA	MG-NB	-2.11	2.01	2.05
16	X	509	CLA	CHC-C1C	2.11	1.42	1.38
16	b	1208	CLA	CHC-C1C	2.11	1.42	1.38
16	J	1302	CLA	CMD-C2D	-2.11	1.46	1.50
16	b	1231	CLA	CMB-C2B	-2.11	1.46	1.50
16	s	513	CLA	CMD-C2D	-2.11	1.46	1.50
16	B	1215	CLA	CHC-C1C	2.11	1.42	1.38
16	A	1402	CLA	CMB-C2B	-2.11	1.46	1.50
16	q	512	CLA	CMD-C2D	-2.11	1.46	1.50
16	U	1503	CLA	C3B-C4B	2.11	1.48	1.42
16	B	1208	CLA	CHC-C1C	2.11	1.42	1.38
16	x	505	CLA	CHC-C1C	2.11	1.42	1.38
16	n	511	CLA	CMD-C2D	-2.11	1.46	1.50
16	G	1224	CLA	C1B-NB	-2.11	1.35	1.37
16	G	1213	CLA	CHC-C1C	2.11	1.42	1.38
16	G	1218	CLA	CHC-C1C	2.11	1.42	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	q	504	CLA	CMD-C2D	-2.11	1.46	1.50
16	A	1138	CLA	C3B-C4B	2.11	1.48	1.42
16	Y	512	CLA	CMB-C2B	-2.11	1.46	1.50
16	q	502	CLA	CMC-C2C	-2.11	1.46	1.50
16	g	501	CLA	MG-NB	-2.11	2.01	2.05
16	r	512	CLA	CHC-C1C	2.11	1.42	1.38
16	x	507	CLA	CHC-C1C	2.11	1.42	1.38
16	J	1303	CLA	CMD-C2D	-2.11	1.46	1.50
16	Y	503	CLA	CMC-C2C	-2.11	1.46	1.50
16	r	515	CLA	CMC-C2C	-2.11	1.46	1.50
16	H	1108	CLA	CMC-C2C	-2.11	1.46	1.50
16	G	1229	CLA	CMD-C2D	-2.11	1.46	1.50
16	H	1133	CLA	C3B-C4B	2.11	1.48	1.42
16	G	1214	CLA	C3B-C4B	2.11	1.48	1.42
16	B	1228	CLA	CHC-C1C	2.10	1.42	1.38
16	t	502	CLA	C3B-C4B	2.10	1.48	1.42
16	B	1012	CLA	CMC-C2C	-2.10	1.46	1.50
16	B	1209	CLA	MG-NB	-2.10	2.01	2.05
16	B	1223	CLA	MG-ND	-2.10	2.01	2.05
16	A	1110	CLA	CMC-C2C	-2.10	1.46	1.50
16	A	1117	CLA	CMC-C2C	-2.10	1.46	1.50
16	A	1135	CLA	CMC-C2C	-2.10	1.46	1.50
16	W	505	CLA	CMD-C2D	-2.10	1.46	1.50
16	X	504	CLA	CMB-C2B	-2.10	1.46	1.50
16	Z	511	CLA	CMB-C2B	-2.10	1.46	1.50
16	G	1210	CLA	CMB-C2B	-2.10	1.46	1.50
16	t	504	CLA	CMD-C2D	-2.10	1.46	1.50
16	w	502	CLA	CMB-C2B	-2.10	1.46	1.50
16	b	1240	CLA	MG-NB	-2.10	2.01	2.05
16	A	1801	CLA	CHC-C1C	2.10	1.42	1.38
16	H	1113	CLA	CHC-C1C	2.10	1.42	1.38
16	s	504	CLA	CHC-C1C	2.10	1.42	1.38
16	g	507	CLA	CMD-C2D	-2.10	1.46	1.50
16	u	504	CLA	CMB-C2B	-2.10	1.46	1.50
16	x	517	CLA	CMD-C2D	-2.10	1.46	1.50
19	S	4015	BCR	C33-C5	-2.10	1.47	1.50
16	H	1136	CLA	CHC-C1C	2.10	1.42	1.38
16	B	1208	CLA	CMD-C2D	-2.10	1.46	1.50
16	n	504	CLA	CMD-C2D	-2.10	1.46	1.50
16	G	1225	CLA	MG-ND	-2.10	2.01	2.05
16	r	516	CLA	CHC-C1C	2.10	1.42	1.38
16	A	1113	CLA	CMD-C2D	-2.10	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	p	506	CLA	CMC-C2C	-2.10	1.46	1.50
16	s	516	CLA	CMD-C2D	-2.10	1.46	1.50
16	Z	501	CLA	MG-NB	-2.10	2.01	2.05
16	A	1109	CLA	CHC-C1C	2.10	1.42	1.38
16	n	512	CLA	CHC-C1C	2.10	1.42	1.38
14	A	852	LMG	O7-C8	-2.10	1.41	1.46
19	b	4006	BCR	C12-C13	-2.10	1.44	1.50
16	Z	505	CLA	CMD-C2D	-2.10	1.46	1.50
16	w	501	CLA	CMB-C2B	-2.10	1.46	1.50
16	B	1240	CLA	MG-NB	-2.10	2.01	2.05
16	W	511	CLA	MG-NB	-2.10	2.01	2.05
16	b	1224	CLA	MG-ND	-2.10	2.01	2.05
16	a	1122	CLA	CMC-C2C	-2.10	1.46	1.50
16	b	1223	CLA	CMC-C2C	-2.10	1.46	1.50
16	r	507	CLA	CMD-C2D	-2.10	1.46	1.50
16	v	504	CLA	CMC-C2C	-2.10	1.46	1.50
16	B	1235	CLA	C3B-C4B	2.10	1.48	1.42
16	b	1207	CLA	MG-NB	-2.10	2.01	2.05
16	u	515	CLA	CHC-C1C	2.10	1.42	1.38
16	b	1215	CLA	CMC-C2C	-2.10	1.46	1.50
16	A	1118	CLA	MG-ND	-2.10	2.01	2.05
16	v	501	CLA	MG-NB	-2.10	2.01	2.05
16	Z	517	CLA	CMD-C2D	-2.10	1.46	1.50
16	g	505	CLA	CMB-C2B	-2.10	1.46	1.50
16	G	1212	CLA	CMD-C2D	-2.10	1.46	1.50
16	G	1240	CLA	MG-NB	-2.10	2.01	2.05
16	b	1212	CLA	CMD-C2D	-2.10	1.46	1.50
16	h	513	CLA	CMD-C2D	-2.10	1.46	1.50
16	S	1302	CLA	CMB-C2B	-2.10	1.46	1.50
16	b	1226	CLA	C3B-C4B	2.10	1.48	1.42
16	B	1214	CLA	C3B-C4B	2.10	1.48	1.42
16	b	1212	CLA	C3B-C4B	2.10	1.48	1.42
16	n	504	CLA	MG-NB	-2.10	2.01	2.05
16	y	510	CLA	CHC-C1C	2.10	1.42	1.38
16	B	1236	CLA	CMC-C2C	-2.10	1.46	1.50
16	W	511	CLA	CMD-C2D	-2.10	1.46	1.50
16	o	510	CLA	CMB-C2B	-2.10	1.46	1.50
16	G	1218	CLA	CMB-C2B	-2.10	1.46	1.50
16	t	512	CLA	CMB-C2B	-2.10	1.46	1.50
16	s	512	CLA	CMD-C2D	-2.10	1.46	1.50
16	u	501	CLA	CHC-C1C	2.10	1.42	1.38
16	Z	501	CLA	CMB-C2B	-2.10	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	o	501	CLA	CMB-C2B	-2.10	1.46	1.50
16	H	1138	CLA	C3B-C4B	2.10	1.48	1.42
16	Y	502	CLA	MG-ND	-2.10	2.01	2.05
16	u	507	CLA	CHC-C1C	2.10	1.42	1.38
16	a	1138	CLA	C3B-C4B	2.10	1.48	1.42
16	G	1023	CLA	C1B-NB	-2.10	1.35	1.37
16	Y	509	CLA	CMB-C2B	-2.10	1.46	1.50
16	r	504	CLA	CMC-C2C	-2.10	1.46	1.50
16	r	513	CLA	CMD-C2D	-2.10	1.46	1.50
16	A	1130	CLA	C1B-C2B	2.10	1.48	1.43
16	l	1503	CLA	CMB-C2B	-2.10	1.46	1.50
16	H	1102	CLA	C1B-C2B	2.10	1.48	1.43
16	b	1214	CLA	C1B-C2B	2.10	1.48	1.43
16	A	1134	CLA	CMD-C2D	-2.10	1.46	1.50
16	o	505	CLA	CMD-C2D	-2.10	1.46	1.50
16	H	1121	CLA	C3B-C4B	2.10	1.48	1.42
16	a	1114	CLA	CHC-C1C	2.10	1.42	1.38
16	o	501	CLA	CHC-C1C	2.10	1.42	1.38
16	h	503	CLA	MG-NB	-2.10	2.01	2.05
16	y	515	CLA	CMB-C2B	-2.10	1.46	1.50
16	b	1213	CLA	CMB-C2B	-2.10	1.46	1.50
19	G	4006	BCR	C12-C13	-2.10	1.44	1.50
16	H	1116	CLA	CHC-C1C	2.10	1.42	1.38
16	Z	512	CLA	CMB-C2B	-2.10	1.46	1.50
16	t	515	CLA	CMB-C2B	-2.10	1.46	1.50
15	H	1011	CL0	C3B-C4B	2.10	1.48	1.42
16	Q	1301	CLA	CHC-C1C	2.10	1.42	1.38
15	H	1011	CL0	CMC-C2C	-2.10	1.46	1.50
16	n	517	CLA	CMC-C2C	-2.10	1.46	1.50
16	g	507	CLA	CHC-C1C	2.10	1.42	1.38
16	r	503	CLA	CHC-C1C	2.10	1.42	1.38
16	g	513	CLA	CMD-C2D	-2.10	1.46	1.50
16	s	510	CLA	CMC-C2C	-2.10	1.46	1.50
16	s	512	CLA	CMC-C2C	-2.10	1.46	1.50
16	v	504	CLA	CMD-C2D	-2.10	1.46	1.50
16	H	1801	CLA	MG-NB	-2.10	2.01	2.05
16	A	1133	CLA	C3B-C4B	2.10	1.48	1.42
16	J	1303	CLA	CMC-C2C	-2.10	1.46	1.50
16	W	502	CLA	CMB-C2B	-2.10	1.46	1.50
16	h	516	CLA	CMC-C2C	-2.10	1.46	1.50
16	G	1023	CLA	CMB-C2B	-2.10	1.46	1.50
16	s	509	CLA	CMB-C2B	-2.10	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	x	511	CLA	CMC-C2C	-2.10	1.46	1.50
19	R	4020	BCR	C33-C5	-2.10	1.47	1.50
16	A	1113	CLA	CHC-C1C	2.10	1.42	1.38
16	y	514	CLA	CHC-C1C	2.10	1.42	1.38
16	L	1501	CLA	C3B-C4B	2.10	1.48	1.42
16	g	517	CLA	CMD-C2D	-2.09	1.46	1.50
16	H	1122	CLA	CMC-C2C	-2.09	1.46	1.50
16	y	513	CLA	CHC-C1C	2.09	1.42	1.38
16	a	1105	CLA	CHC-C1C	2.09	1.42	1.38
16	B	1238	CLA	CMC-C2C	-2.09	1.46	1.50
16	X	517	CLA	CMD-C2D	-2.09	1.46	1.50
16	Z	507	CLA	CMD-C2D	-2.09	1.46	1.50
16	r	514	CLA	CMB-C2B	-2.09	1.46	1.50
16	w	517	CLA	CMC-C2C	-2.09	1.46	1.50
16	q	512	CLA	CHC-C1C	2.09	1.42	1.38
16	g	508	CLA	MG-NB	-2.09	2.01	2.05
16	B	1230	CLA	C3B-C4B	2.09	1.48	1.42
16	G	1203	CLA	C3B-C4B	2.09	1.48	1.42
16	A	1126	CLA	C1B-C2B	2.09	1.48	1.43
16	y	511	CLA	CMD-C2D	-2.09	1.46	1.50
16	a	1110	CLA	CMC-C2C	-2.09	1.46	1.50
16	b	1218	CLA	CMB-C2B	-2.09	1.46	1.50
16	t	511	CLA	CMC-C2C	-2.09	1.46	1.50
16	x	505	CLA	CMB-C2B	-2.09	1.46	1.50
16	t	514	CLA	CHC-C1C	2.09	1.42	1.38
16	q	514	CLA	MG-NB	-2.09	2.01	2.05
19	B	4006	BCR	C12-C13	-2.09	1.44	1.50
16	X	505	CLA	CMD-C2D	-2.09	1.46	1.50
16	p	514	CLA	CMD-C2D	-2.09	1.46	1.50
16	x	505	CLA	MG-NB	-2.09	2.01	2.05
16	x	511	CLA	MG-NB	-2.09	2.01	2.05
16	b	1214	CLA	C3B-C4B	2.09	1.48	1.42
16	b	1208	CLA	CMD-C2D	-2.09	1.46	1.50
16	v	510	CLA	CHC-C1C	2.09	1.42	1.38
16	a	1116	CLA	MG-ND	-2.09	2.01	2.05
16	h	514	CLA	MG-NB	-2.09	2.01	2.05
16	a	1121	CLA	CMB-C2B	-2.09	1.46	1.50
16	n	511	CLA	CMC-C2C	-2.09	1.46	1.50
16	v	515	CLA	CMB-C2B	-2.09	1.46	1.50
16	a	1118	CLA	MG-ND	-2.09	2.01	2.05
16	G	1223	CLA	MG-ND	-2.09	2.01	2.05
16	w	511	CLA	MG-NB	-2.09	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	S	1302	CLA	CMD-C2D	-2.09	1.46	1.50
16	o	506	CLA	C3B-C4B	2.09	1.48	1.42
16	B	1236	CLA	CHC-C1C	2.09	1.42	1.38
16	a	1113	CLA	CHC-C1C	2.09	1.42	1.38
16	o	508	CLA	CHC-C1C	2.09	1.42	1.38
16	B	1224	CLA	MG-ND	-2.09	2.01	2.05
16	A	1121	CLA	C3B-C4B	2.09	1.48	1.42
16	B	1239	CLA	CMC-C2C	-2.09	1.46	1.50
16	W	507	CLA	CMD-C2D	-2.09	1.46	1.50
16	Y	511	CLA	CHC-C1C	2.09	1.42	1.38
16	s	512	CLA	CHC-C1C	2.09	1.42	1.38
16	W	514	CLA	MG-NB	-2.09	2.01	2.05
16	v	514	CLA	MG-NB	-2.09	2.01	2.05
16	A	1116	CLA	MG-ND	-2.09	2.01	2.05
16	H	1126	CLA	C1B-C2B	2.09	1.48	1.43
16	u	510	CLA	C3B-C4B	2.09	1.48	1.42
16	a	1139	CLA	CHC-C1C	2.09	1.42	1.38
16	b	1213	CLA	CHC-C1C	2.09	1.42	1.38
16	b	1227	CLA	CHC-C1C	2.09	1.42	1.38
16	n	505	CLA	MG-NB	-2.09	2.01	2.05
16	r	502	CLA	CMD-C2D	-2.09	1.46	1.50
16	h	507	CLA	CMB-C2B	-2.09	1.46	1.50
16	v	512	CLA	CMC-C2C	-2.09	1.46	1.50
16	A	1105	CLA	CHC-C1C	2.09	1.42	1.38
16	B	1214	CLA	CMD-C2D	-2.09	1.46	1.50
16	r	508	CLA	CMD-C2D	-2.09	1.46	1.50
16	h	505	CLA	CMB-C2B	-2.09	1.46	1.50
16	x	504	CLA	CMD-C2D	-2.09	1.46	1.50
16	v	513	CLA	CMD-C2D	-2.09	1.46	1.50
16	X	508	CLA	CHC-C1C	2.09	1.42	1.38
16	t	512	CLA	CHC-C1C	2.09	1.42	1.38
16	H	1130	CLA	C1B-C2B	2.09	1.48	1.43
16	b	1218	CLA	CMC-C2C	-2.09	1.46	1.50
16	H	1134	CLA	CMD-C2D	-2.09	1.46	1.50
16	A	1139	CLA	CHC-C1C	2.09	1.42	1.38
16	q	501	CLA	CMB-C2B	-2.09	1.46	1.50
16	q	507	CLA	CMD-C2D	-2.09	1.46	1.50
16	t	515	CLA	CMC-C2C	-2.09	1.46	1.50
16	l	1502	CLA	C3B-C4B	2.09	1.48	1.42
16	r	501	CLA	MG-NB	-2.09	2.01	2.05
16	a	1113	CLA	CMD-C2D	-2.09	1.46	1.50
16	h	504	CLA	CMC-C2C	-2.09	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	G	1224	CLA	CMC-C2C	-2.09	1.46	1.50
16	a	1109	CLA	CHC-C1C	2.09	1.42	1.38
19	b	4014	BCR	C33-C5	-2.09	1.47	1.50
16	p	505	CLA	CMD-C2D	-2.09	1.46	1.50
16	s	501	CLA	CMD-C2D	-2.09	1.46	1.50
16	n	502	CLA	CHC-C1C	2.09	1.42	1.38
16	H	1109	CLA	CHC-C1C	2.09	1.42	1.38
16	s	513	CLA	CHC-C1C	2.09	1.42	1.38
16	g	505	CLA	MG-NB	-2.09	2.01	2.05
16	Y	512	CLA	CHC-C1C	2.09	1.42	1.38
16	X	507	CLA	C3B-C4B	2.09	1.48	1.42
16	l	1501	CLA	CMC-C2C	-2.09	1.46	1.50
16	b	1215	CLA	CHC-C1C	2.09	1.42	1.38
16	o	505	CLA	CHC-C1C	2.09	1.42	1.38
16	r	509	CLA	CHC-C1C	2.09	1.42	1.38
16	a	1801	CLA	CMC-C2C	-2.09	1.46	1.50
16	n	511	CLA	CHC-C1C	2.09	1.42	1.38
16	t	505	CLA	CHC-C1C	2.09	1.42	1.38
16	A	1135	CLA	MG-ND	-2.09	2.01	2.05
16	A	1120	CLA	CMC-C2C	-2.09	1.46	1.50
16	y	505	CLA	CMD-C2D	-2.09	1.46	1.50
16	B	1226	CLA	C3B-C4B	2.09	1.48	1.42
16	y	503	CLA	MG-NB	-2.09	2.01	2.05
16	B	1212	CLA	CMD-C2D	-2.09	1.46	1.50
16	Y	504	CLA	CMD-C2D	-2.09	1.46	1.50
16	Z	502	CLA	CMB-C2B	-2.09	1.46	1.50
16	t	516	CLA	CMD-C2D	-2.09	1.46	1.50
16	s	504	CLA	CMB-C2B	-2.09	1.46	1.50
16	Y	504	CLA	CHC-C1C	2.08	1.42	1.38
19	n	603	BCR	C38-C26	-2.08	1.47	1.50
16	W	512	CLA	CMC-C2C	-2.08	1.46	1.50
16	X	513	CLA	CMB-C2B	-2.08	1.46	1.50
16	p	504	CLA	CMD-C2D	-2.08	1.46	1.50
16	q	514	CLA	CMD-C2D	-2.08	1.46	1.50
16	H	1131	CLA	CMC-C2C	-2.08	1.46	1.50
16	w	507	CLA	CMD-C2D	-2.08	1.46	1.50
15	a	1011	CL0	C3B-C4B	2.08	1.48	1.42
16	Y	510	CLA	C3B-C4B	2.08	1.48	1.42
16	H	1116	CLA	MG-ND	-2.08	2.01	2.05
16	t	503	CLA	CHC-C1C	2.08	1.42	1.38
16	A	1801	CLA	CMC-C2C	-2.08	1.46	1.50
16	y	512	CLA	CMC-C2C	-2.08	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	A	1114	CLA	CHC-C1C	2.08	1.42	1.38
16	U	1502	CLA	C3B-C4B	2.08	1.48	1.42
16	y	511	CLA	CMC-C2C	-2.08	1.46	1.50
16	n	506	CLA	CMB-C2B	-2.08	1.46	1.50
16	o	507	CLA	CMD-C2D	-2.08	1.46	1.50
16	s	501	CLA	CMB-C2B	-2.08	1.46	1.50
16	B	1227	CLA	CHC-C1C	2.08	1.42	1.38
16	y	502	CLA	CHC-C1C	2.08	1.42	1.38
16	B	1218	CLA	CMC-C2C	-2.08	1.46	1.50
16	g	507	CLA	CMC-C2C	-2.08	1.46	1.50
16	B	1203	CLA	C3B-C4B	2.08	1.48	1.42
16	b	1230	CLA	C3B-C4B	2.08	1.48	1.42
16	G	1230	CLA	C3B-C4B	2.08	1.48	1.42
16	X	515	CLA	CHC-C1C	2.08	1.42	1.38
16	o	516	CLA	CHC-C1C	2.08	1.42	1.38
16	L	1501	CLA	CMC-C2C	-2.08	1.46	1.50
16	t	511	CLA	CMD-C2D	-2.08	1.46	1.50
16	S	1303	CLA	CMC-C2C	-2.08	1.46	1.50
13	i	103	LHG	O7-C5	-2.08	1.41	1.46
16	X	512	CLA	CHC-C1C	2.08	1.42	1.38
16	G	1226	CLA	C3B-C4B	2.08	1.48	1.42
16	b	1221	CLA	MG-ND	-2.08	2.01	2.05
16	B	1232	CLA	CMD-C2D	-2.08	1.46	1.50
16	a	1115	CLA	CMB-C2B	-2.08	1.46	1.50
16	H	1116	CLA	CMC-C2C	-2.08	1.46	1.50
16	x	511	CLA	CMD-C2D	-2.08	1.46	1.50
16	r	510	CLA	CHC-C1C	2.08	1.42	1.38
16	w	512	CLA	CHC-C1C	2.08	1.42	1.38
16	o	511	CLA	CMC-C2C	-2.08	1.46	1.50
16	x	515	CLA	CMB-C2B	-2.08	1.46	1.50
16	s	510	CLA	C3B-C4B	2.08	1.48	1.42
16	X	516	CLA	CHC-C1C	2.08	1.42	1.38
16	b	1218	CLA	CHC-C1C	2.08	1.42	1.38
16	B	1204	CLA	C3B-C4B	2.08	1.48	1.42
16	G	1214	CLA	C1B-C2B	2.08	1.48	1.43
16	Y	516	CLA	CMD-C2D	-2.08	1.46	1.50
16	w	516	CLA	CMD-C2D	-2.08	1.46	1.50
16	L	1502	CLA	C3B-C4B	2.08	1.48	1.42
16	p	501	CLA	CMB-C2B	-2.08	1.46	1.50
16	w	512	CLA	CMC-C2C	-2.08	1.46	1.50
16	a	1135	CLA	MG-ND	-2.08	2.01	2.05
16	s	514	CLA	CHC-C1C	2.08	1.42	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	y	513	CLA	CMC-C2C	-2.08	1.46	1.50
16	r	505	CLA	CMB-C2B	-2.08	1.46	1.50
16	G	1204	CLA	C3B-C4B	2.08	1.48	1.42
16	u	505	CLA	MG-NB	-2.08	2.01	2.05
16	b	1204	CLA	C3B-C4B	2.08	1.48	1.42
16	p	512	CLA	CHC-C1C	2.08	1.42	1.38
16	H	1131	CLA	CHC-C1C	2.08	1.42	1.38
16	a	1402	CLA	CMB-C2B	-2.08	1.46	1.50
16	g	510	CLA	CMB-C2B	-2.08	1.46	1.50
16	t	513	CLA	CMD-C2D	-2.08	1.46	1.50
16	x	501	CLA	CMB-C2B	-2.08	1.46	1.50
16	v	506	CLA	CMD-C2D	-2.08	1.46	1.50
16	A	1122	CLA	CHC-C1C	2.08	1.42	1.38
16	a	1116	CLA	CHC-C1C	2.08	1.42	1.38
16	H	1122	CLA	CHC-C1C	2.08	1.42	1.38
16	t	516	CLA	CHC-C1C	2.08	1.42	1.38
16	H	1135	CLA	CMC-C2C	-2.08	1.46	1.50
16	t	508	CLA	CMB-C2B	-2.08	1.46	1.50
16	v	501	CLA	CMD-C2D	-2.08	1.46	1.50
16	u	504	CLA	CHC-C1C	2.08	1.42	1.38
16	B	1023	CLA	CMB-C2B	-2.08	1.46	1.50
16	Y	513	CLA	CMB-C2B	-2.08	1.46	1.50
16	Z	501	CLA	CMD-C2D	-2.08	1.46	1.50
16	Z	512	CLA	CMD-C2D	-2.08	1.46	1.50
16	n	514	CLA	CMC-C2C	-2.08	1.46	1.50
16	H	1801	CLA	CMC-C2C	-2.08	1.46	1.50
16	A	1128	CLA	C3B-C4B	2.08	1.48	1.42
16	A	1106	CLA	CMC-C2C	-2.08	1.46	1.50
16	b	1236	CLA	CMC-C2C	-2.08	1.46	1.50
16	X	506	CLA	C3B-C4B	2.08	1.48	1.42
16	B	1214	CLA	C1B-C2B	2.08	1.48	1.43
16	A	1133	CLA	CMC-C2C	-2.08	1.46	1.50
14	G	848	LMG	O7-C8	-2.08	1.41	1.46
16	Y	502	CLA	CHC-C1C	2.08	1.42	1.38
16	B	1211	CLA	CMC-C2C	-2.08	1.46	1.50
16	Y	513	CLA	CMC-C2C	-2.08	1.46	1.50
16	b	1211	CLA	CMB-C2B	-2.08	1.46	1.50
16	q	512	CLA	CMC-C2C	-2.08	1.46	1.50
16	x	515	CLA	CMC-C2C	-2.08	1.46	1.50
16	p	513	CLA	CHC-C1C	2.08	1.42	1.38
16	H	1127	CLA	CMC-C2C	-2.08	1.46	1.50
16	y	517	CLA	MG-NB	-2.08	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	A	1116	CLA	CMC-C2C	-2.07	1.46	1.50
16	A	1121	CLA	CMB-C2B	-2.07	1.46	1.50
16	y	506	CLA	CMC-C2C	-2.07	1.46	1.50
16	G	1232	CLA	CMD-C2D	-2.07	1.46	1.50
16	t	501	CLA	CMB-C2B	-2.07	1.46	1.50
16	w	504	CLA	CMC-C2C	-2.07	1.46	1.50
16	l	1502	CLA	CHC-C1C	2.07	1.42	1.38
16	n	514	CLA	CMD-C2D	-2.07	1.46	1.50
16	o	517	CLA	CMC-C2C	-2.07	1.46	1.50
16	s	508	CLA	CMC-C2C	-2.07	1.46	1.50
16	v	517	CLA	CMB-C2B	-2.07	1.46	1.50
16	L	1502	CLA	CHC-C1C	2.07	1.42	1.38
19	b	4005	BCR	C38-C26	-2.07	1.47	1.50
16	n	516	CLA	CMC-C2C	-2.07	1.46	1.50
16	H	1402	CLA	CMB-C2B	-2.07	1.46	1.50
16	W	501	CLA	CHC-C1C	2.07	1.42	1.38
16	p	511	CLA	CHC-C1C	2.07	1.42	1.38
16	H	1105	CLA	CHC-C1C	2.07	1.42	1.38
16	s	511	CLA	CHC-C1C	2.07	1.42	1.38
16	w	511	CLA	CHC-C1C	2.07	1.42	1.38
16	f	1301	CLA	CHC-C1C	2.07	1.42	1.38
16	h	513	CLA	MG-NB	-2.07	2.01	2.05
16	W	504	CLA	CMD-C2D	-2.07	1.46	1.50
16	B	1231	CLA	MG-NB	-2.07	2.01	2.05
16	g	503	CLA	MG-NB	-2.07	2.01	2.05
16	n	516	CLA	CMD-C2D	-2.07	1.46	1.50
16	y	505	CLA	CHC-C1C	2.07	1.42	1.38
16	A	1131	CLA	CMC-C2C	-2.07	1.46	1.50
16	a	1112	CLA	CMC-C2C	-2.07	1.46	1.50
16	H	1112	CLA	CMC-C2C	-2.07	1.46	1.50
16	A	1134	CLA	CHC-C1C	2.07	1.42	1.38
16	H	1139	CLA	CHC-C1C	2.07	1.42	1.38
16	H	1801	CLA	CHC-C1C	2.07	1.42	1.38
16	q	501	CLA	MG-NB	-2.07	2.01	2.05
16	a	1106	CLA	CMC-C2C	-2.07	1.46	1.50
16	G	1214	CLA	CMD-C2D	-2.07	1.46	1.50
16	w	515	CLA	CMC-C2C	-2.07	1.46	1.50
16	W	511	CLA	CHC-C1C	2.07	1.42	1.38
16	G	1227	CLA	CHC-C1C	2.07	1.42	1.38
16	A	1022	CLA	CMC-C2C	-2.07	1.46	1.50
16	Y	501	CLA	CMB-C2B	-2.07	1.46	1.50
16	r	504	CLA	CMD-C2D	-2.07	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	a	1130	CLA	C1B-C2B	2.07	1.48	1.43
16	Y	505	CLA	MG-NB	-2.07	2.01	2.05
16	B	1213	CLA	CMB-C2B	-2.07	1.46	1.50
16	n	514	CLA	CHC-C1C	2.07	1.42	1.38
16	q	509	CLA	CMB-C2B	-2.07	1.46	1.50
16	h	505	CLA	CMD-C2D	-2.07	1.46	1.50
16	Y	513	CLA	CHC-C1C	2.07	1.42	1.38
16	p	504	CLA	CHC-C1C	2.07	1.42	1.38
16	L	1503	CLA	CMB-C2B	-2.07	1.46	1.50
16	Y	507	CLA	CMC-C2C	-2.07	1.46	1.50
16	u	516	CLA	CMD-C2D	-2.07	1.46	1.50
16	x	507	CLA	CMC-C2C	-2.07	1.46	1.50
16	x	512	CLA	CMB-C2B	-2.07	1.46	1.50
16	v	511	CLA	CMD-C2D	-2.07	1.46	1.50
16	g	505	CLA	CHC-C1C	2.07	1.42	1.38
16	b	1217	CLA	CMB-C2B	-2.07	1.46	1.50
16	n	507	CLA	CMD-C2D	-2.07	1.46	1.50
16	q	510	CLA	CMB-C2B	-2.07	1.46	1.50
16	H	1121	CLA	CMB-C2B	-2.07	1.46	1.50
16	s	514	CLA	CMC-C2C	-2.07	1.46	1.50
16	a	1131	CLA	CHC-C1C	2.07	1.42	1.38
16	A	1108	CLA	CMC-C2C	-2.07	1.46	1.50
16	X	504	CLA	CMC-C2C	-2.07	1.46	1.50
16	a	1116	CLA	CMC-C2C	-2.07	1.46	1.50
16	a	1128	CLA	C3B-C4B	2.07	1.48	1.42
16	q	508	CLA	CHC-C1C	2.07	1.42	1.38
16	B	1216	CLA	C3B-C4B	2.07	1.48	1.42
16	W	514	CLA	CMC-C2C	-2.07	1.46	1.50
16	n	512	CLA	CMB-C2B	-2.07	1.46	1.50
16	b	1228	CLA	CHC-C1C	2.07	1.42	1.38
16	u	508	CLA	CHC-C1C	2.07	1.42	1.38
19	B	4014	BCR	C33-C5	-2.07	1.47	1.50
19	j	4015	BCR	C33-C5	-2.07	1.47	1.50
16	W	516	CLA	CMD-C2D	-2.07	1.46	1.50
16	p	501	CLA	CMD-C2D	-2.07	1.46	1.50
16	p	516	CLA	CMD-C2D	-2.07	1.46	1.50
16	H	1107	CLA	CMC-C2C	-2.07	1.46	1.50
16	w	516	CLA	CHC-C1C	2.07	1.42	1.38
16	Y	504	CLA	CMB-C2B	-2.07	1.46	1.50
16	a	1402	CLA	CMC-C2C	-2.07	1.46	1.50
16	h	512	CLA	CMC-C2C	-2.07	1.46	1.50
16	u	506	CLA	CMC-C2C	-2.07	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	x	510	CLA	CMB-C2B	-2.07	1.46	1.50
16	v	508	CLA	CMB-C2B	-2.07	1.46	1.50
16	G	1209	CLA	MG-NB	-2.07	2.01	2.05
19	J	4015	BCR	C33-C5	-2.07	1.47	1.50
16	h	505	CLA	CHC-C1C	2.07	1.42	1.38
14	b	848	LMG	O7-C8	-2.07	1.41	1.46
16	H	1128	CLA	C3B-C4B	2.07	1.48	1.42
16	n	508	CLA	CMB-C2B	-2.07	1.46	1.50
16	G	1231	CLA	CMC-C2C	-2.07	1.46	1.50
16	b	1216	CLA	C3B-C4B	2.07	1.48	1.42
16	G	1216	CLA	C3B-C4B	2.07	1.48	1.42
16	B	1231	CLA	CMC-C2C	-2.07	1.46	1.50
16	W	511	CLA	CMC-C2C	-2.07	1.46	1.50
16	b	1230	CLA	CMB-C2B	-2.07	1.46	1.50
16	h	504	CLA	CMD-C2D	-2.07	1.46	1.50
16	o	504	CLA	CHC-C1C	2.07	1.42	1.38
16	b	1229	CLA	CMD-C2D	-2.07	1.46	1.50
16	o	501	CLA	CMD-C2D	-2.07	1.46	1.50
16	h	508	CLA	CMD-C2D	-2.07	1.46	1.50
16	u	517	CLA	CMC-C2C	-2.07	1.46	1.50
16	A	1125	CLA	MG-ND	-2.07	2.01	2.05
16	b	1209	CLA	MG-NB	-2.07	2.01	2.05
16	H	1402	CLA	CMC-C2C	-2.06	1.46	1.50
16	G	1213	CLA	CMB-C2B	-2.06	1.46	1.50
16	G	1239	CLA	C3B-C4B	2.06	1.48	1.42
16	Y	505	CLA	CMD-C2D	-2.06	1.46	1.50
16	a	1120	CLA	CMB-C2B	-2.06	1.46	1.50
16	h	511	CLA	CMC-C2C	-2.06	1.46	1.50
16	h	511	CLA	CMD-C2D	-2.06	1.46	1.50
16	w	517	CLA	CMD-C2D	-2.06	1.46	1.50
16	n	505	CLA	CHC-C1C	2.06	1.42	1.38
16	B	1211	CLA	CMB-C2B	-2.06	1.46	1.50
16	Z	512	CLA	CMC-C2C	-2.06	1.46	1.50
16	q	503	CLA	CMC-C2C	-2.06	1.46	1.50
16	B	1225	CLA	MG-ND	-2.06	2.01	2.05
16	X	514	CLA	MG-NB	-2.06	2.01	2.05
16	g	511	CLA	MG-NB	-2.06	2.01	2.05
16	H	1118	CLA	MG-ND	-2.06	2.01	2.05
16	h	517	CLA	CMC-C2C	-2.06	1.46	1.50
16	H	1115	CLA	CMB-C2B	-2.06	1.46	1.50
16	G	1215	CLA	CMC-C2C	-2.06	1.46	1.50
16	s	506	CLA	CMC-C2C	-2.06	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	v	517	CLA	CMC-C2C	-2.06	1.46	1.50
16	a	1137	CLA	C3B-C4B	2.06	1.48	1.42
16	y	516	CLA	CMD-C2D	-2.06	1.46	1.50
16	q	507	CLA	CMC-C2C	-2.06	1.46	1.50
16	G	1236	CLA	CMC-C2C	-2.06	1.46	1.50
16	t	507	CLA	CMD-C2D	-2.06	1.46	1.50
16	v	501	CLA	CMB-C2B	-2.06	1.46	1.50
16	H	1137	CLA	C3B-C4B	2.06	1.48	1.42
16	W	512	CLA	CMD-C2D	-2.06	1.46	1.50
16	n	504	CLA	CMB-C2B	-2.06	1.46	1.50
16	n	512	CLA	CMD-C2D	-2.06	1.46	1.50
16	u	504	CLA	CMC-C2C	-2.06	1.46	1.50
16	T	1401	CLA	MG-ND	-2.06	2.01	2.05
16	X	501	CLA	CMD-C2D	-2.06	1.46	1.50
16	a	1131	CLA	CMC-C2C	-2.06	1.46	1.50
16	b	1208	CLA	CMC-C2C	-2.06	1.46	1.50
16	o	516	CLA	CMD-C2D	-2.06	1.46	1.50
16	p	510	CLA	CMC-C2C	-2.06	1.46	1.50
16	G	1211	CLA	CMC-C2C	-2.06	1.46	1.50
16	G	1218	CLA	CMC-C2C	-2.06	1.46	1.50
16	w	512	CLA	CMB-C2B	-2.06	1.46	1.50
16	x	505	CLA	CMD-C2D	-2.06	1.46	1.50
16	v	507	CLA	CMB-C2B	-2.06	1.46	1.50
15	A	1011	CL0	C3B-C4B	2.06	1.48	1.42
16	a	1022	CLA	CMC-C2C	-2.06	1.46	1.50
16	b	1023	CLA	CMB-C2B	-2.06	1.46	1.50
16	w	509	CLA	CMB-C2B	-2.06	1.46	1.50
16	x	508	CLA	CMB-C2B	-2.06	1.46	1.50
16	x	517	CLA	CMC-C2C	-2.06	1.46	1.50
16	G	1240	CLA	CMB-C2B	-2.06	1.46	1.50
16	a	1120	CLA	CMC-C2C	-2.06	1.46	1.50
16	n	501	CLA	CMB-C2B	-2.06	1.46	1.50
16	h	506	CLA	CMD-C2D	-2.06	1.46	1.50
16	A	1127	CLA	C1B-NB	-2.06	1.35	1.37
16	W	505	CLA	CHC-C1C	2.06	1.42	1.38
16	g	504	CLA	CMC-C2C	-2.06	1.46	1.50
16	b	1203	CLA	C3B-C4B	2.06	1.48	1.42
16	t	505	CLA	MG-NB	-2.06	2.01	2.05
16	b	1214	CLA	CHC-C1C	2.06	1.42	1.38
16	x	516	CLA	CHC-C1C	2.06	1.42	1.38
16	y	502	CLA	CMB-C2B	-2.06	1.46	1.50
16	a	1108	CLA	CMC-C2C	-2.06	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	p	504	CLA	CMB-C2B	-2.06	1.46	1.50
16	H	1106	CLA	CMC-C2C	-2.06	1.46	1.50
16	p	514	CLA	CHC-C1C	2.06	1.42	1.38
16	u	512	CLA	CHC-C1C	2.06	1.42	1.38
16	v	505	CLA	CHC-C1C	2.06	1.42	1.38
16	B	1232	CLA	CMC-C2C	-2.06	1.46	1.50
16	W	517	CLA	CMD-C2D	-2.06	1.46	1.50
16	r	501	CLA	CMD-C2D	-2.06	1.46	1.50
16	G	1021	CLA	CMB-C2B	-2.06	1.46	1.50
16	H	1135	CLA	MG-ND	-2.06	2.01	2.05
16	Z	510	CLA	CHC-C1C	2.06	1.42	1.38
16	A	1116	CLA	C3B-C4B	2.06	1.48	1.42
16	A	1134	CLA	CMC-C2C	-2.06	1.46	1.50
16	q	517	CLA	CMD-C2D	-2.06	1.46	1.50
16	G	1217	CLA	CMB-C2B	-2.06	1.46	1.50
16	x	512	CLA	CMD-C2D	-2.06	1.46	1.50
19	t	603	BCR	C38-C26	-2.06	1.47	1.50
16	K	1401	CLA	MG-ND	-2.06	2.01	2.05
16	h	513	CLA	CMB-C2B	-2.06	1.46	1.50
16	w	503	CLA	CMC-C2C	-2.06	1.46	1.50
16	b	1211	CLA	CMC-C2C	-2.06	1.46	1.50
16	q	501	CLA	CMD-C2D	-2.06	1.46	1.50
16	r	504	CLA	CMB-C2B	-2.06	1.46	1.50
16	s	504	CLA	CMC-C2C	-2.06	1.46	1.50
16	v	502	CLA	CMB-C2B	-2.06	1.46	1.50
16	A	1137	CLA	C3B-C4B	2.06	1.48	1.42
16	H	1127	CLA	C3B-C4B	2.06	1.48	1.42
16	X	510	CLA	C3B-C4B	2.06	1.48	1.42
16	G	1236	CLA	CHC-C1C	2.06	1.42	1.38
16	t	509	CLA	CMC-C2C	-2.06	1.46	1.50
16	x	503	CLA	CMB-C2B	-2.06	1.46	1.50
16	a	1130	CLA	C1B-NB	-2.06	1.35	1.37
16	h	517	CLA	MG-NB	-2.06	2.01	2.05
16	y	513	CLA	MG-NB	-2.06	2.01	2.05
16	b	1225	CLA	MG-ND	-2.06	2.01	2.05
16	s	505	CLA	MG-NB	-2.06	2.01	2.05
16	v	513	CLA	MG-NB	-2.06	2.01	2.05
16	a	1137	CLA	CHC-C1C	2.06	1.42	1.38
16	w	508	CLA	CHC-C1C	2.06	1.42	1.38
16	Y	514	CLA	CMC-C2C	-2.06	1.46	1.50
16	Z	513	CLA	CMB-C2B	-2.06	1.46	1.50
16	q	513	CLA	CMB-C2B	-2.06	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	r	512	CLA	CMD-C2D	-2.06	1.46	1.50
16	H	1121	CLA	CMC-C2C	-2.06	1.46	1.50
16	B	1217	CLA	CMB-C2B	-2.05	1.46	1.50
16	Z	503	CLA	CMB-C2B	-2.05	1.46	1.50
16	y	504	CLA	CMD-C2D	-2.05	1.46	1.50
16	q	512	CLA	CMB-C2B	-2.05	1.46	1.50
16	h	509	CLA	CMB-C2B	-2.05	1.46	1.50
16	H	1120	CLA	CMB-C2B	-2.05	1.46	1.50
16	H	1120	CLA	CMC-C2C	-2.05	1.46	1.50
16	A	1117	CLA	CHC-C1C	2.05	1.42	1.38
16	a	1111	CLA	CHC-C1C	2.05	1.42	1.38
16	G	1214	CLA	CHC-C1C	2.05	1.42	1.38
16	W	509	CLA	CMC-C2C	-2.05	1.46	1.50
16	W	515	CLA	CMB-C2B	-2.05	1.46	1.50
16	u	517	CLA	CMD-C2D	-2.05	1.46	1.50
20	l	4101	LMT	O4'-C4B	-2.05	1.37	1.43
16	q	515	CLA	CMC-C2C	-2.05	1.46	1.50
16	G	1212	CLA	CMC-C2C	-2.05	1.46	1.50
16	B	1214	CLA	CHC-C1C	2.05	1.42	1.38
16	X	515	CLA	CMB-C2B	-2.05	1.46	1.50
16	o	506	CLA	CHC-C1C	2.05	1.42	1.38
16	j	1302	CLA	CHC-C1C	2.05	1.42	1.38
16	A	1108	CLA	CMB-C2B	-2.05	1.46	1.50
16	b	1224	CLA	CMC-C2C	-2.05	1.46	1.50
16	o	504	CLA	CMB-C2B	-2.05	1.46	1.50
16	v	517	CLA	CMD-C2D	-2.05	1.46	1.50
16	A	1131	CLA	MG-ND	-2.05	2.01	2.05
16	Z	516	CLA	CMD-C2D	-2.05	1.46	1.50
16	s	513	CLA	CMB-C2B	-2.05	1.46	1.50
16	w	510	CLA	CMB-C2B	-2.05	1.46	1.50
16	y	510	CLA	CMB-C2B	-2.05	1.46	1.50
16	b	1219	CLA	CMB-C2B	-2.05	1.46	1.50
16	r	517	CLA	CMD-C2D	-2.05	1.46	1.50
16	t	501	CLA	CMD-C2D	-2.05	1.46	1.50
16	u	514	CLA	MG-NB	-2.05	2.01	2.05
16	n	503	CLA	CHC-C1C	2.05	1.42	1.38
16	Z	515	CLA	CMC-C2C	-2.05	1.46	1.50
16	a	1102	CLA	CMB-C2B	-2.05	1.46	1.50
16	q	505	CLA	CMC-C2C	-2.05	1.46	1.50
16	r	503	CLA	CMC-C2C	-2.05	1.46	1.50
16	A	1107	CLA	MG-ND	-2.05	2.01	2.05
16	b	1231	CLA	MG-NB	-2.05	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	p	516	CLA	CMC-C2C	-2.05	1.46	1.50
16	h	503	CLA	CMB-C2B	-2.05	1.46	1.50
16	H	1113	CLA	CMB-C2B	-2.05	1.46	1.50
16	x	511	CLA	CMB-C2B	-2.05	1.46	1.50
16	y	506	CLA	C3B-C4B	2.05	1.48	1.42
16	A	1125	CLA	CHC-C1C	2.05	1.42	1.38
16	a	1125	CLA	CHC-C1C	2.05	1.42	1.38
16	U	1502	CLA	CHC-C1C	2.05	1.42	1.38
16	s	503	CLA	CHC-C1C	2.05	1.42	1.38
16	g	511	CLA	CMB-C2B	-2.05	1.46	1.50
16	b	1240	CLA	CMB-C2B	-2.05	1.46	1.50
16	w	501	CLA	CMD-C2D	-2.05	1.46	1.50
16	x	513	CLA	CMB-C2B	-2.05	1.46	1.50
16	G	1231	CLA	MG-NB	-2.05	2.01	2.05
16	W	501	CLA	CMD-C2D	-2.05	1.46	1.50
16	y	514	CLA	CMB-C2B	-2.05	1.46	1.50
16	n	509	CLA	CMC-C2C	-2.05	1.46	1.50
16	u	501	CLA	CMD-C2D	-2.05	1.46	1.50
16	Y	501	CLA	CMD-C2D	-2.05	1.46	1.50
16	g	504	CLA	CMB-C2B	-2.05	1.46	1.50
16	p	508	CLA	CMC-C2C	-2.05	1.46	1.50
16	v	513	CLA	CMB-C2B	-2.05	1.46	1.50
16	b	1240	CLA	CHC-C1C	2.05	1.42	1.38
16	W	513	CLA	CMB-C2B	-2.05	1.46	1.50
16	q	516	CLA	CMD-C2D	-2.05	1.46	1.50
16	q	511	CLA	CHC-C1C	2.05	1.42	1.38
16	A	1112	CLA	CMC-C2C	-2.05	1.46	1.50
16	g	517	CLA	CMB-C2B	-2.05	1.46	1.50
16	r	512	CLA	CMB-C2B	-2.05	1.46	1.50
16	s	505	CLA	CMD-C2D	-2.05	1.46	1.50
19	G	4017	BCR	C38-C26	-2.05	1.47	1.50
16	J	1302	CLA	CMC-C2C	-2.05	1.46	1.50
16	W	514	CLA	CMD-C2D	-2.05	1.46	1.50
16	t	504	CLA	CMB-C2B	-2.05	1.46	1.50
16	v	508	CLA	CMD-C2D	-2.05	1.46	1.50
16	G	1221	CLA	MG-ND	-2.05	2.01	2.05
16	Z	508	CLA	CHC-C1C	2.05	1.42	1.38
16	A	1131	CLA	C3B-C4B	2.05	1.48	1.42
16	b	1023	CLA	C1B-NB	-2.05	1.35	1.37
16	t	517	CLA	CMD-C2D	-2.05	1.46	1.50
16	v	503	CLA	CMB-C2B	-2.05	1.46	1.50
16	b	1231	CLA	CMC-C2C	-2.05	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	B	1240	CLA	CMD-C2D	-2.05	1.46	1.50
16	b	1232	CLA	CMD-C2D	-2.05	1.46	1.50
16	n	515	CLA	CMB-C2B	-2.05	1.46	1.50
16	t	514	CLA	CMC-C2C	-2.05	1.46	1.50
16	a	1140	CLA	CHC-C1C	2.05	1.42	1.38
16	a	1107	CLA	CMC-C2C	-2.05	1.46	1.50
16	n	517	CLA	CMD-C2D	-2.05	1.46	1.50
16	H	1116	CLA	C3B-C4B	2.05	1.48	1.42
16	g	515	CLA	CMC-C2C	-2.05	1.46	1.50
16	o	506	CLA	CMC-C2C	-2.05	1.46	1.50
16	r	511	CLA	CMD-C2D	-2.05	1.46	1.50
16	r	516	CLA	CMD-C2D	-2.05	1.46	1.50
16	x	504	CLA	CMB-C2B	-2.05	1.46	1.50
16	B	1221	CLA	C1B-NB	-2.05	1.35	1.37
16	A	1107	CLA	CMC-C2C	-2.05	1.46	1.50
16	p	512	CLA	CMC-C2C	-2.05	1.46	1.50
16	x	516	CLA	CMD-C2D	-2.05	1.46	1.50
14	B	848	LMG	O7-C8	-2.05	1.41	1.46
16	a	1117	CLA	CHC-C1C	2.05	1.42	1.38
16	a	1107	CLA	MG-ND	-2.04	2.01	2.05
16	u	506	CLA	C3B-C4B	2.04	1.48	1.42
16	Y	512	CLA	CMC-C2C	-2.04	1.46	1.50
16	Y	514	CLA	CMB-C2B	-2.04	1.46	1.50
16	g	509	CLA	CMC-C2C	-2.04	1.46	1.50
16	o	509	CLA	CMC-C2C	-2.04	1.46	1.50
16	h	501	CLA	CMD-C2D	-2.04	1.46	1.50
16	w	505	CLA	CMC-C2C	-2.04	1.46	1.50
16	Z	504	CLA	CMB-C2B	-2.04	1.46	1.50
16	Y	508	CLA	CMC-C2C	-2.04	1.46	1.50
16	y	501	CLA	CMD-C2D	-2.04	1.46	1.50
16	n	501	CLA	CMD-C2D	-2.04	1.46	1.50
16	p	514	CLA	CMC-C2C	-2.04	1.46	1.50
16	p	517	CLA	CMD-C2D	-2.04	1.46	1.50
16	a	1127	CLA	C3B-C4B	2.04	1.48	1.42
16	f	1301	CLA	C1B-NB	-2.04	1.35	1.37
16	n	506	CLA	CMC-C2C	-2.04	1.46	1.50
16	a	1122	CLA	CHC-C1C	2.04	1.42	1.38
16	A	1137	CLA	MG-ND	-2.04	2.01	2.05
16	Z	504	CLA	CMC-C2C	-2.04	1.46	1.50
16	g	511	CLA	CMD-C2D	-2.04	1.46	1.50
16	r	505	CLA	CMD-C2D	-2.04	1.46	1.50
16	G	1240	CLA	CMD-C2D	-2.04	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	t	512	CLA	CMD-C2D	-2.04	1.46	1.50
16	t	514	CLA	CMD-C2D	-2.04	1.46	1.50
16	u	513	CLA	CMB-C2B	-2.04	1.46	1.50
16	b	1238	CLA	C3B-C4B	2.04	1.48	1.42
16	H	1127	CLA	C1B-NB	-2.04	1.35	1.37
16	H	1125	CLA	CHC-C1C	2.04	1.42	1.38
16	G	1021	CLA	MG-NB	-2.04	2.01	2.05
16	Z	516	CLA	CMC-C2C	-2.04	1.46	1.50
16	p	504	CLA	CMC-C2C	-2.04	1.46	1.50
16	s	515	CLA	CMC-C2C	-2.04	1.46	1.50
16	B	1225	CLA	C1B-NB	-2.04	1.35	1.37
16	G	1216	CLA	MG-ND	-2.04	2.01	2.05
16	B	1218	CLA	CMB-C2B	-2.04	1.46	1.50
16	B	1224	CLA	C1B-NB	-2.04	1.35	1.37
16	a	1134	CLA	CHC-C1C	2.04	1.42	1.38
16	o	515	CLA	CMC-C2C	-2.04	1.46	1.50
16	t	510	CLA	CMB-C2B	-2.04	1.46	1.50
16	w	513	CLA	CMB-C2B	-2.04	1.46	1.50
16	X	502	CLA	MG-ND	-2.04	2.01	2.05
16	g	502	CLA	CMB-C2B	-2.04	1.46	1.50
16	g	515	CLA	CMB-C2B	-2.04	1.46	1.50
16	y	504	CLA	CMB-C2B	-2.04	1.46	1.50
16	h	502	CLA	CMB-C2B	-2.04	1.46	1.50
16	U	1501	CLA	CMC-C2C	-2.04	1.46	1.50
16	u	503	CLA	CMB-C2B	-2.04	1.46	1.50
16	v	512	CLA	CMB-C2B	-2.04	1.46	1.50
16	B	1238	CLA	C3B-C4B	2.04	1.48	1.42
16	a	1131	CLA	C3B-C4B	2.04	1.48	1.42
16	Y	504	CLA	CMC-C2C	-2.04	1.46	1.50
16	H	1113	CLA	CMD-C2D	-2.04	1.46	1.50
16	G	1232	CLA	CMC-C2C	-2.04	1.46	1.50
16	t	517	CLA	CMB-C2B	-2.04	1.46	1.50
19	p	603	BCR	C38-C26	-2.04	1.47	1.50
16	o	512	CLA	CHC-C1C	2.04	1.42	1.38
16	k	1401	CLA	MG-ND	-2.04	2.01	2.05
16	X	502	CLA	CMC-C2C	-2.04	1.46	1.50
16	r	510	CLA	CMB-C2B	-2.04	1.46	1.50
16	h	506	CLA	CMC-C2C	-2.04	1.46	1.50
16	s	507	CLA	CMC-C2C	-2.04	1.46	1.50
20	U	4101	LMT	O4'-C4B	-2.04	1.37	1.43
16	b	1210	CLA	MG-ND	-2.04	2.01	2.05
16	g	512	CLA	CMD-C2D	-2.04	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	b	1240	CLA	CMD-C2D	-2.04	1.46	1.50
16	t	512	CLA	CMC-C2C	-2.04	1.46	1.50
16	o	510	CLA	C3B-C4B	2.04	1.48	1.42
16	g	501	CLA	CMD-C2D	-2.04	1.46	1.50
16	y	504	CLA	CMC-C2C	-2.04	1.46	1.50
16	a	1134	CLA	CMC-C2C	-2.04	1.46	1.50
16	u	510	CLA	CMC-C2C	-2.04	1.46	1.50
13	i	103	LHG	P-O6	2.04	1.67	1.59
16	W	510	CLA	C3B-C4B	2.04	1.48	1.42
16	G	1215	CLA	CMB-C2B	-2.04	1.46	1.50
16	x	508	CLA	MG-NB	-2.04	2.01	2.05
16	v	516	CLA	CMC-C2C	-2.04	1.46	1.50
16	p	506	CLA	C3B-C4B	2.04	1.48	1.42
16	G	1238	CLA	CHC-C1C	2.04	1.42	1.38
16	A	1112	CLA	CMB-C2B	-2.04	1.46	1.50
16	H	1107	CLA	MG-ND	-2.04	2.01	2.05
19	B	4005	BCR	C38-C26	-2.04	1.47	1.50
19	U	4022	BCR	C38-C26	-2.04	1.47	1.50
16	H	1134	CLA	CHC-C1C	2.04	1.42	1.38
16	A	1120	CLA	CMB-C2B	-2.04	1.46	1.50
16	G	1217	CLA	CMC-C2C	-2.04	1.46	1.50
16	A	1127	CLA	C3B-C4B	2.04	1.48	1.42
16	H	1131	CLA	C3B-C4B	2.04	1.48	1.42
16	W	505	CLA	MG-NB	-2.03	2.01	2.05
16	l	1501	CLA	CHC-C1C	2.03	1.42	1.38
16	B	1230	CLA	CMB-C2B	-2.03	1.46	1.50
16	W	501	CLA	CMB-C2B	-2.03	1.46	1.50
16	X	512	CLA	CMC-C2C	-2.03	1.46	1.50
16	y	517	CLA	CMB-C2B	-2.03	1.46	1.50
16	u	508	CLA	CMC-C2C	-2.03	1.46	1.50
16	a	1102	CLA	C1B-NB	-2.03	1.35	1.37
16	a	1133	CLA	CHC-C1C	2.03	1.42	1.38
16	r	502	CLA	CMB-C2B	-2.03	1.46	1.50
16	h	501	CLA	CMB-C2B	-2.03	1.46	1.50
16	u	505	CLA	CMD-C2D	-2.03	1.46	1.50
16	x	502	CLA	CMB-C2B	-2.03	1.46	1.50
16	g	503	CLA	CMB-C2B	-2.03	1.46	1.50
16	g	504	CLA	CMD-C2D	-2.03	1.46	1.50
16	b	1212	CLA	CMC-C2C	-2.03	1.46	1.50
16	Y	501	CLA	CHC-C1C	2.03	1.42	1.38
16	b	1225	CLA	C1B-NB	-2.03	1.35	1.37
16	a	1116	CLA	C3B-C4B	2.03	1.48	1.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	A	1105	CLA	CMC-C2C	-2.03	1.46	1.50
16	n	515	CLA	CMC-C2C	-2.03	1.46	1.50
16	J	1302	CLA	CHC-C1C	2.03	1.42	1.38
16	u	512	CLA	CMC-C2C	-2.03	1.46	1.50
16	v	510	CLA	CMC-C2C	-2.03	1.46	1.50
16	X	508	CLA	CMC-C2C	-2.03	1.46	1.50
16	o	510	CLA	CMC-C2C	-2.03	1.46	1.50
16	B	1021	CLA	MG-NB	-2.03	2.01	2.05
16	b	1021	CLA	MG-NB	-2.03	2.01	2.05
16	p	505	CLA	MG-NB	-2.03	2.01	2.05
16	r	503	CLA	CMB-C2B	-2.03	1.46	1.50
16	t	506	CLA	CMC-C2C	-2.03	1.46	1.50
16	s	517	CLA	CMB-C2B	-2.03	1.46	1.50
16	s	517	CLA	CMD-C2D	-2.03	1.46	1.50
16	A	1135	CLA	CHC-C1C	2.03	1.42	1.38
16	Y	503	CLA	CHC-C1C	2.03	1.42	1.38
16	b	1238	CLA	CHC-C1C	2.03	1.42	1.38
16	j	1303	CLA	CHC-C1C	2.03	1.42	1.38
16	b	1239	CLA	C3B-C4B	2.03	1.48	1.42
16	A	1111	CLA	CHC-C1C	2.03	1.42	1.38
16	b	1203	CLA	CHC-C1C	2.03	1.42	1.38
16	B	1239	CLA	C3B-C4B	2.03	1.48	1.42
16	n	513	CLA	CMB-C2B	-2.03	1.46	1.50
16	B	1023	CLA	C1B-NB	-2.03	1.35	1.37
16	u	510	CLA	CHC-C1C	2.03	1.42	1.38
16	r	507	CLA	CMC-C2C	-2.03	1.46	1.50
16	A	1131	CLA	CHC-C1C	2.03	1.42	1.38
16	H	1111	CLA	CHC-C1C	2.03	1.42	1.38
16	a	1107	CLA	C3B-C4B	2.03	1.48	1.42
16	B	1219	CLA	CMB-C2B	-2.03	1.46	1.50
16	W	514	CLA	CMB-C2B	-2.03	1.46	1.50
16	Y	510	CLA	CMC-C2C	-2.03	1.46	1.50
16	x	501	CLA	CMD-C2D	-2.03	1.46	1.50
16	h	508	CLA	CMB-C2B	-2.03	1.46	1.50
20	L	4101	LMT	O4'-C4B	-2.03	1.37	1.43
16	y	508	CLA	CMB-C2B	-2.03	1.46	1.50
16	b	1209	CLA	CMC-C2C	-2.03	1.46	1.50
16	G	1230	CLA	CMB-C2B	-2.03	1.46	1.50
16	x	517	CLA	CMB-C2B	-2.03	1.46	1.50
16	G	1238	CLA	C3B-C4B	2.03	1.48	1.42
16	B	1210	CLA	MG-ND	-2.03	2.01	2.05
16	A	1022	CLA	C1B-C2B	2.03	1.47	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	h	517	CLA	CMD-C2D	-2.03	1.46	1.50
16	H	1022	CLA	CMC-C2C	-2.03	1.46	1.50
16	x	504	CLA	CMC-C2C	-2.03	1.46	1.50
16	B	1240	CLA	CMB-C2B	-2.03	1.46	1.50
16	o	504	CLA	CMC-C2C	-2.03	1.46	1.50
16	r	511	CLA	CMC-C2C	-2.03	1.46	1.50
16	w	507	CLA	CMC-C2C	-2.03	1.46	1.50
16	B	1220	CLA	CMB-C2B	-2.03	1.46	1.50
16	X	510	CLA	CMC-C2C	-2.03	1.46	1.50
16	r	501	CLA	CMB-C2B	-2.03	1.46	1.50
16	p	501	CLA	CHC-C1C	2.03	1.42	1.38
16	o	507	CLA	CMC-C2C	-2.03	1.46	1.50
16	G	1219	CLA	CMB-C2B	-2.03	1.46	1.50
16	x	505	CLA	CMC-C2C	-2.03	1.46	1.50
16	G	1210	CLA	MG-ND	-2.03	2.01	2.05
13	I	103	LHG	P-O6	2.03	1.67	1.59
16	Y	516	CLA	CMC-C2C	-2.03	1.46	1.50
16	Z	507	CLA	CMC-C2C	-2.03	1.46	1.50
16	w	514	CLA	CMC-C2C	-2.03	1.46	1.50
19	s	603	BCR	C38-C26	-2.03	1.47	1.50
16	H	1108	CLA	CHC-C1C	2.03	1.42	1.38
13	R	103	LHG	P-O6	2.03	1.67	1.59
16	X	509	CLA	CMC-C2C	-2.02	1.46	1.50
16	y	507	CLA	CMC-C2C	-2.02	1.46	1.50
16	a	1113	CLA	CMB-C2B	-2.02	1.46	1.50
16	n	505	CLA	CMC-C2C	-2.02	1.46	1.50
16	n	507	CLA	CMC-C2C	-2.02	1.46	1.50
16	Z	506	CLA	CHC-C1C	2.02	1.42	1.38
16	w	501	CLA	MG-NB	-2.02	2.01	2.05
16	g	516	CLA	CMD-C2D	-2.02	1.46	1.50
16	y	517	CLA	CMD-C2D	-2.02	1.46	1.50
16	x	514	CLA	CMC-C2C	-2.02	1.46	1.50
16	H	1138	CLA	CHC-C1C	2.02	1.42	1.38
19	a	4001	BCR	C33-C5	-2.02	1.47	1.50
19	b	4017	BCR	C38-C26	-2.02	1.47	1.50
16	v	508	CLA	MG-NB	-2.02	2.01	2.05
16	p	517	CLA	CMB-C2B	-2.02	1.46	1.50
16	r	510	CLA	CMC-C2C	-2.02	1.46	1.50
16	Q	1302	CLA	C3C-C2C	2.02	1.39	1.35
16	B	1209	CLA	CMC-C2C	-2.02	1.46	1.50
16	Z	510	CLA	CMB-C2B	-2.02	1.46	1.50
16	a	1108	CLA	CMB-C2B	-2.02	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	G	1209	CLA	CMC-C2C	-2.02	1.46	1.50
16	x	502	CLA	CMC-C2C	-2.02	1.46	1.50
16	b	1230	CLA	CHC-C1C	2.02	1.42	1.38
16	b	1217	CLA	CMC-C2C	-2.02	1.46	1.50
16	o	513	CLA	CMB-C2B	-2.02	1.46	1.50
16	H	1108	CLA	CMB-C2B	-2.02	1.46	1.50
16	u	507	CLA	CMC-C2C	-2.02	1.46	1.50
16	Y	501	CLA	MG-NB	-2.02	2.01	2.05
16	H	1117	CLA	CHC-C1C	2.02	1.42	1.38
16	w	505	CLA	MG-NB	-2.02	2.01	2.05
16	o	514	CLA	MG-NB	-2.02	2.01	2.05
16	b	1206	CLA	C3B-C4B	2.02	1.48	1.42
16	B	1210	CLA	CHC-C1C	2.02	1.42	1.38
16	t	513	CLA	CHC-C1C	2.02	1.42	1.38
16	K	1401	CLA	CHC-C1C	2.02	1.42	1.38
16	G	1201	CLA	CMB-C2B	-2.02	1.46	1.50
16	a	1138	CLA	CHC-C1C	2.02	1.42	1.38
16	A	1402	CLA	CMC-C2C	-2.02	1.46	1.50
16	p	513	CLA	CMC-C2C	-2.02	1.46	1.50
16	s	513	CLA	CMC-C2C	-2.02	1.46	1.50
16	H	1137	CLA	MG-ND	-2.02	2.01	2.05
16	L	1501	CLA	CHC-C1C	2.02	1.42	1.38
16	a	1121	CLA	CHC-C1C	2.02	1.42	1.38
16	q	504	CLA	CMC-C2C	-2.02	1.46	1.50
16	s	516	CLA	CMC-C2C	-2.02	1.46	1.50
16	h	508	CLA	MG-NB	-2.02	2.01	2.05
16	G	1206	CLA	MG-ND	-2.02	2.01	2.05
16	X	503	CLA	CMB-C2B	-2.02	1.46	1.50
16	X	505	CLA	CMC-C2C	-2.02	1.46	1.50
16	g	505	CLA	CMC-C2C	-2.02	1.46	1.50
16	y	513	CLA	CMB-C2B	-2.02	1.46	1.50
16	p	515	CLA	CMC-C2C	-2.02	1.46	1.50
16	u	509	CLA	CMC-C2C	-2.02	1.46	1.50
16	s	501	CLA	CHC-C1C	2.02	1.42	1.38
16	x	506	CLA	CHC-C1C	2.02	1.42	1.38
16	o	511	CLA	C1B-NB	-2.02	1.35	1.37
16	h	505	CLA	CMC-C2C	-2.02	1.46	1.50
16	p	507	CLA	CHC-C1C	2.02	1.42	1.38
16	A	1102	CLA	CMB-C2B	-2.02	1.46	1.50
16	r	509	CLA	CMC-C2C	-2.02	1.46	1.50
16	u	516	CLA	CMC-C2C	-2.02	1.46	1.50
16	w	502	CLA	CMC-C2C	-2.02	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	A	1102	CLA	C1B-NB	-2.02	1.35	1.37
16	S	1303	CLA	CHC-C1C	2.02	1.42	1.38
16	X	511	CLA	CMC-C2C	-2.02	1.46	1.50
16	w	506	CLA	CHC-C1C	2.02	1.42	1.38
16	q	502	CLA	CMB-C2B	-2.02	1.46	1.50
16	w	503	CLA	CMB-C2B	-2.02	1.46	1.50
16	v	512	CLA	CMD-C2D	-2.02	1.46	1.50
16	A	1137	CLA	CHC-C1C	2.02	1.42	1.38
16	B	1219	CLA	CHC-C1C	2.02	1.42	1.38
16	p	501	CLA	CMC-C2C	-2.02	1.46	1.50
16	H	1102	CLA	CMB-C2B	-2.02	1.46	1.50
16	G	1219	CLA	CMC-C2C	-2.02	1.46	1.50
19	k	1501	BCR	C38-C26	-2.02	1.47	1.50
16	u	515	CLA	CMB-C2B	-2.02	1.46	1.50
16	q	505	CLA	MG-NB	-2.02	2.01	2.05
16	G	1230	CLA	CHC-C1C	2.02	1.42	1.38
16	o	508	CLA	CMC-C2C	-2.02	1.46	1.50
16	r	513	CLA	CMB-C2B	-2.02	1.46	1.50
16	A	1237	CLA	MG-ND	-2.02	2.01	2.05
16	G	1207	CLA	MG-ND	-2.02	2.01	2.05
19	B	4017	BCR	C38-C26	-2.02	1.47	1.50
16	n	517	CLA	CMB-C2B	-2.02	1.46	1.50
16	v	509	CLA	CMB-C2B	-2.02	1.46	1.50
16	A	1138	CLA	CHC-C1C	2.02	1.42	1.38
16	B	1201	CLA	CMB-C2B	-2.01	1.46	1.50
16	y	503	CLA	CMB-C2B	-2.01	1.46	1.50
16	G	1224	CLA	CHC-C1C	2.01	1.42	1.38
16	T	1401	CLA	CHC-C1C	2.01	1.42	1.38
16	u	505	CLA	CMC-C2C	-2.01	1.46	1.50
16	B	1224	CLA	CHC-C1C	2.01	1.42	1.38
16	y	512	CLA	CMD-C2D	-2.01	1.46	1.50
19	T	1501	BCR	C38-C26	-2.01	1.47	1.50
16	A	1130	CLA	C1B-NB	-2.01	1.35	1.37
16	g	501	CLA	CMB-C2B	-2.01	1.46	1.50
16	y	509	CLA	CMB-C2B	-2.01	1.46	1.50
16	H	1120	CLA	CHC-C1C	2.01	1.42	1.38
16	U	1501	CLA	CHC-C1C	2.01	1.42	1.38
16	W	517	CLA	CMB-C2B	-2.01	1.46	1.50
16	y	517	CLA	CMC-C2C	-2.01	1.46	1.50
16	q	503	CLA	CMB-C2B	-2.01	1.46	1.50
16	h	504	CLA	CMB-C2B	-2.01	1.46	1.50
16	h	510	CLA	CMB-C2B	-2.01	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	h	517	CLA	CMB-C2B	-2.01	1.46	1.50
16	x	512	CLA	CMC-C2C	-2.01	1.46	1.50
16	H	1107	CLA	C3B-C4B	2.01	1.48	1.42
16	a	1137	CLA	MG-ND	-2.01	2.01	2.05
16	s	502	CLA	MG-ND	-2.01	2.01	2.05
16	a	1105	CLA	CMC-C2C	-2.01	1.46	1.50
16	H	1105	CLA	CMC-C2C	-2.01	1.46	1.50
16	H	1133	CLA	CHC-C1C	2.01	1.42	1.38
16	H	1237	CLA	MG-ND	-2.01	2.01	2.05
16	G	1220	CLA	CMB-C2B	-2.01	1.46	1.50
16	H	1121	CLA	CHC-C1C	2.01	1.42	1.38
16	w	507	CLA	CHC-C1C	2.01	1.42	1.38
16	t	516	CLA	CMC-C2C	-2.01	1.46	1.50
16	w	504	CLA	CMB-C2B	-2.01	1.46	1.50
19	l	4022	BCR	C38-C26	-2.01	1.47	1.50
16	b	1219	CLA	CMC-C2C	-2.01	1.46	1.50
16	t	513	CLA	CMB-C2B	-2.01	1.46	1.50
16	b	1206	CLA	MG-ND	-2.01	2.01	2.05
19	a	4008	BCR	C38-C26	-2.01	1.47	1.50
16	Z	514	CLA	CMC-C2C	-2.01	1.46	1.50
16	h	508	CLA	CMC-C2C	-2.01	1.46	1.50
16	H	1118	CLA	CHC-C1C	2.01	1.42	1.38
16	H	1137	CLA	CHC-C1C	2.01	1.42	1.38
16	F	1302	CLA	C3C-C2C	2.01	1.39	1.35
16	H	1111	CLA	MG-ND	-2.01	2.01	2.05
16	A	1123	CLA	CHC-C1C	2.01	1.42	1.38
16	Y	515	CLA	CMB-C2B	-2.01	1.46	1.50
16	b	1232	CLA	CMC-C2C	-2.01	1.46	1.50
16	B	1216	CLA	MG-ND	-2.01	2.01	2.05
16	b	1212	CLA	CHC-C1C	2.01	1.42	1.38
16	B	1021	CLA	CMB-C2B	-2.01	1.46	1.50
16	t	504	CLA	CMC-C2C	-2.01	1.46	1.50
16	F	1301	CLA	C1B-NB	-2.01	1.35	1.37
16	y	508	CLA	CMC-C2C	-2.01	1.46	1.50
16	G	1214	CLA	CMC-C2C	-2.01	1.46	1.50
16	q	515	CLA	CMB-C2B	-2.01	1.46	1.50
16	x	509	CLA	CMC-C2C	-2.01	1.46	1.50
16	a	1112	CLA	CMB-C2B	-2.01	1.46	1.50
16	n	512	CLA	CMC-C2C	-2.01	1.46	1.50
16	r	512	CLA	CMC-C2C	-2.01	1.46	1.50
16	W	512	CLA	CHC-C1C	2.01	1.42	1.38
16	b	1201	CLA	CMB-C2B	-2.01	1.46	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	r	506	CLA	CMC-C2C	-2.01	1.46	1.50
16	r	507	CLA	CMB-C2B	-2.01	1.46	1.50
16	A	1103	CLA	CHC-C1C	2.01	1.42	1.38
19	A	4001	BCR	C33-C5	-2.01	1.47	1.50
16	g	502	CLA	CMC-C2C	-2.01	1.46	1.50
16	b	1021	CLA	CMB-C2B	-2.01	1.46	1.50
16	w	516	CLA	CMC-C2C	-2.01	1.46	1.50
16	G	1210	CLA	CHC-C1C	2.01	1.42	1.38
16	H	1134	CLA	CMC-C2C	-2.01	1.46	1.50
16	v	508	CLA	CMC-C2C	-2.01	1.46	1.50
16	Y	510	CLA	MG-ND	-2.01	2.01	2.05
16	k	1401	CLA	CHC-C1C	2.01	1.42	1.38
16	p	505	CLA	CHC-C1C	2.01	1.42	1.38
16	h	506	CLA	CHC-C1C	2.01	1.42	1.38
16	A	1121	CLA	CMC-C2C	-2.00	1.46	1.50
16	g	512	CLA	CMC-C2C	-2.00	1.46	1.50
16	o	515	CLA	CMB-C2B	-2.00	1.46	1.50
16	Z	505	CLA	CHC-C1C	2.00	1.42	1.38
19	H	4008	BCR	C33-C5	-2.00	1.47	1.50
16	g	505	CLA	CMD-C2D	-2.00	1.46	1.50
16	g	513	CLA	CMC-C2C	-2.00	1.46	1.50
16	S	1302	CLA	CMC-C2C	-2.00	1.46	1.50
16	g	510	CLA	CHC-C1C	2.00	1.42	1.38
16	b	1224	CLA	CHC-C1C	2.00	1.42	1.38
16	o	503	CLA	CMB-C2B	-2.00	1.46	1.50
16	u	511	CLA	C1B-NB	-2.00	1.35	1.37
16	p	507	CLA	CMC-C2C	-2.00	1.46	1.50
16	A	1140	CLA	CHC-C1C	2.00	1.42	1.38
16	B	1216	CLA	CHC-C1C	2.00	1.42	1.38
16	X	511	CLA	C1B-NB	-2.00	1.35	1.37
16	q	514	CLA	CMC-C2C	-2.00	1.46	1.50
16	x	510	CLA	CMC-C2C	-2.00	1.46	1.50
16	A	1119	CLA	MG-ND	-2.00	2.01	2.05
16	a	1131	CLA	MG-ND	-2.00	2.01	2.05
16	W	515	CLA	CMC-C2C	-2.00	1.46	1.50
16	r	515	CLA	CMB-C2B	-2.00	1.46	1.50
16	v	511	CLA	CMC-C2C	-2.00	1.46	1.50
16	A	1112	CLA	C1B-NB	-2.00	1.35	1.37
16	J	1303	CLA	CHC-C1C	2.00	1.42	1.38
16	B	1205	CLA	C3B-C4B	2.00	1.48	1.42
16	a	1237	CLA	MG-ND	-2.00	2.01	2.05
16	o	502	CLA	MG-ND	-2.00	2.01	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
16	A	1107	CLA	C3B-C4B	2.00	1.48	1.42
16	q	506	CLA	CHC-C1C	2.00	1.42	1.38
16	b	1220	CLA	CMB-C2B	-2.00	1.46	1.50
16	j	1302	CLA	CMC-C2C	-2.00	1.46	1.50
16	B	1238	CLA	CHC-C1C	2.00	1.42	1.38
16	H	1140	CLA	CHC-C1C	2.00	1.42	1.38
16	b	1238	CLA	MG-ND	-2.00	2.01	2.05

All (5449) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	G	1021	CLA	C4A-NA-C1A	9.27	110.91	106.68
16	b	1021	CLA	C4A-NA-C1A	9.25	110.90	106.68
16	B	1021	CLA	C4A-NA-C1A	9.24	110.89	106.68
16	G	1205	CLA	C4A-NA-C1A	8.44	110.53	106.68
16	b	1205	CLA	C4A-NA-C1A	8.41	110.52	106.68
16	B	1205	CLA	C4A-NA-C1A	8.37	110.50	106.68
16	y	515	CLA	C4A-NA-C1A	8.26	110.45	106.68
16	H	1237	CLA	C4A-NA-C1A	7.96	110.31	106.68
16	A	1237	CLA	C4A-NA-C1A	7.90	110.28	106.68
16	a	1237	CLA	C4A-NA-C1A	7.88	110.28	106.68
16	l	1502	CLA	C4A-NA-C1A	7.81	110.24	106.68
16	G	1230	CLA	C4A-NA-C1A	7.81	110.24	106.68
16	B	1230	CLA	C4A-NA-C1A	7.78	110.23	106.68
16	G	1210	CLA	CAC-C3C-C4C	7.76	134.89	124.79
16	u	508	CLA	C4A-NA-C1A	7.74	110.21	106.68
16	b	1230	CLA	C4A-NA-C1A	7.73	110.21	106.68
16	H	1103	CLA	C4A-NA-C1A	7.73	110.21	106.68
16	A	1109	CLA	C4A-NA-C1A	7.73	110.20	106.68
16	b	1239	CLA	C4A-NA-C1A	7.72	110.20	106.68
16	L	1502	CLA	C4A-NA-C1A	7.72	110.20	106.68
16	B	1210	CLA	CAC-C3C-C4C	7.71	134.83	124.79
16	U	1502	CLA	C4A-NA-C1A	7.71	110.20	106.68
16	v	515	CLA	C4A-NA-C1A	7.71	110.20	106.68
16	b	1210	CLA	CAC-C3C-C4C	7.71	134.82	124.79
16	a	1138	CLA	C4A-NA-C1A	7.69	110.19	106.68
16	o	508	CLA	C4A-NA-C1A	7.68	110.18	106.68
16	X	508	CLA	C4A-NA-C1A	7.68	110.18	106.68
16	B	1203	CLA	C4A-NA-C1A	7.68	110.18	106.68
16	H	1138	CLA	C4A-NA-C1A	7.67	110.18	106.68
16	B	1239	CLA	C4A-NA-C1A	7.67	110.18	106.68
16	H	1109	CLA	C4A-NA-C1A	7.66	110.17	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	W	506	CLA	C4A-NA-C1A	7.65	110.17	106.68
16	u	506	CLA	C4A-NA-C1A	7.65	110.17	106.68
16	A	1103	CLA	C4A-NA-C1A	7.64	110.16	106.68
16	G	1239	CLA	C4A-NA-C1A	7.64	110.16	106.68
16	g	511	CLA	C4A-NA-C1A	7.63	110.16	106.68
16	a	1109	CLA	C4A-NA-C1A	7.63	110.16	106.68
16	G	1204	CLA	C4A-NA-C1A	7.63	110.16	106.68
16	r	506	CLA	C4A-NA-C1A	7.63	110.16	106.68
16	b	1204	CLA	C4A-NA-C1A	7.61	110.15	106.68
16	a	1103	CLA	C4A-NA-C1A	7.61	110.15	106.68
16	Y	505	CLA	C4A-NA-C1A	7.61	110.15	106.68
16	w	508	CLA	C4A-NA-C1A	7.61	110.15	106.68
16	B	1204	CLA	C4A-NA-C1A	7.60	110.15	106.68
16	y	506	CLA	C4A-NA-C1A	7.60	110.15	106.68
16	A	1138	CLA	C4A-NA-C1A	7.60	110.15	106.68
16	t	502	CLA	C4A-NA-C1A	7.57	110.13	106.68
16	G	1203	CLA	C4A-NA-C1A	7.57	110.13	106.68
16	b	1203	CLA	C4A-NA-C1A	7.56	110.13	106.68
16	g	506	CLA	C4A-NA-C1A	7.56	110.13	106.68
16	h	515	CLA	C4A-NA-C1A	7.55	110.12	106.68
16	Z	508	CLA	C4A-NA-C1A	7.54	110.12	106.68
16	X	506	CLA	C4A-NA-C1A	7.53	110.11	106.68
16	h	506	CLA	C4A-NA-C1A	7.52	110.11	106.68
16	s	505	CLA	C4A-NA-C1A	7.51	110.11	106.68
16	Y	506	CLA	C4A-NA-C1A	7.49	110.10	106.68
16	Z	511	CLA	C4A-NA-C1A	7.48	110.09	106.68
16	o	506	CLA	C4A-NA-C1A	7.48	110.09	106.68
16	t	506	CLA	C4A-NA-C1A	7.47	110.09	106.68
16	U	1501	CLA	C4A-NA-C1A	7.47	110.08	106.68
16	q	508	CLA	C4A-NA-C1A	7.46	110.08	106.68
16	B	1218	CLA	C4A-NA-C1A	7.46	110.08	106.68
16	Y	515	CLA	C4A-NA-C1A	7.45	110.08	106.68
16	p	506	CLA	C4A-NA-C1A	7.45	110.08	106.68
16	w	511	CLA	C4A-NA-C1A	7.45	110.08	106.68
16	x	511	CLA	C4A-NA-C1A	7.45	110.08	106.68
16	a	1120	CLA	C4A-NA-C1A	7.44	110.07	106.68
16	v	504	CLA	C4A-NA-C1A	7.43	110.07	106.68
16	B	1220	CLA	C4A-NA-C1A	7.43	110.07	106.68
16	q	505	CLA	C4A-NA-C1A	7.42	110.06	106.68
16	o	503	CLA	C4A-NA-C1A	7.42	110.06	106.68
16	p	505	CLA	C4A-NA-C1A	7.42	110.06	106.68
16	H	1120	CLA	C4A-NA-C1A	7.42	110.06	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	q	515	CLA	C4A-NA-C1A	7.42	110.06	106.68
16	w	505	CLA	C4A-NA-C1A	7.42	110.06	106.68
16	b	1215	CLA	C4A-NA-C1A	7.41	110.06	106.68
16	b	1218	CLA	C4A-NA-C1A	7.41	110.06	106.68
16	k	1401	CLA	C4A-NA-C1A	7.40	110.06	106.68
16	l	1501	CLA	C4A-NA-C1A	7.40	110.05	106.68
16	G	1218	CLA	C4A-NA-C1A	7.40	110.05	106.68
16	L	1501	CLA	C4A-NA-C1A	7.39	110.05	106.68
16	u	503	CLA	C4A-NA-C1A	7.39	110.05	106.68
16	w	515	CLA	C4A-NA-C1A	7.39	110.05	106.68
16	Z	506	CLA	C4A-NA-C1A	7.38	110.05	106.68
16	G	1235	CLA	C4A-NA-C1A	7.38	110.05	106.68
16	b	1220	CLA	C4A-NA-C1A	7.36	110.04	106.68
16	T	1401	CLA	C4A-NA-C1A	7.36	110.04	106.68
16	n	506	CLA	C4A-NA-C1A	7.35	110.03	106.68
16	B	1211	CLA	C4A-NA-C1A	7.34	110.03	106.68
16	r	511	CLA	C4A-NA-C1A	7.34	110.03	106.68
16	x	506	CLA	C4A-NA-C1A	7.34	110.03	106.68
16	G	1220	CLA	C4A-NA-C1A	7.34	110.03	106.68
16	G	1211	CLA	C4A-NA-C1A	7.33	110.02	106.68
16	a	1113	CLA	C4A-NA-C1A	7.33	110.02	106.68
16	Z	515	CLA	C4A-NA-C1A	7.32	110.02	106.68
16	q	506	CLA	C4A-NA-C1A	7.32	110.02	106.68
16	h	504	CLA	C4A-NA-C1A	7.32	110.02	106.68
16	w	502	CLA	C4A-NA-C1A	7.32	110.02	106.68
16	A	1120	CLA	C4A-NA-C1A	7.31	110.02	106.68
16	Z	507	CLA	C4A-NA-C1A	7.31	110.02	106.68
16	G	1215	CLA	C4A-NA-C1A	7.31	110.01	106.68
16	B	1217	CLA	C4A-NA-C1A	7.31	110.01	106.68
16	K	1401	CLA	C4A-NA-C1A	7.31	110.01	106.68
16	u	505	CLA	C4A-NA-C1A	7.30	110.01	106.68
16	W	503	CLA	C4A-NA-C1A	7.30	110.01	106.68
16	v	506	CLA	C4A-NA-C1A	7.30	110.01	106.68
16	B	1223	CLA	C4A-NA-C1A	7.29	110.01	106.68
16	W	505	CLA	C4A-NA-C1A	7.29	110.01	106.68
16	t	517	CLA	C4A-NA-C1A	7.29	110.01	106.68
16	b	1223	CLA	C4A-NA-C1A	7.29	110.00	106.68
16	x	508	CLA	C4A-NA-C1A	7.29	110.00	106.68
16	b	1224	CLA	C4A-NA-C1A	7.29	110.00	106.68
16	H	1106	CLA	C4A-NA-C1A	7.29	110.00	106.68
16	A	1113	CLA	C4A-NA-C1A	7.28	110.00	106.68
16	a	1115	CLA	C4A-NA-C1A	7.27	110.00	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	G	1223	CLA	C4A-NA-C1A	7.27	110.00	106.68
16	W	512	CLA	C4A-NA-C1A	7.26	109.99	106.68
16	a	1106	CLA	C4A-NA-C1A	7.26	109.99	106.68
16	n	514	CLA	C4A-NA-C1A	7.26	109.99	106.68
16	A	1106	CLA	C4A-NA-C1A	7.26	109.99	106.68
16	w	513	CLA	C4A-NA-C1A	7.26	109.99	106.68
16	b	1207	CLA	C4A-NA-C1A	7.25	109.99	106.68
16	p	515	CLA	C4A-NA-C1A	7.25	109.99	106.68
16	B	1235	CLA	C4A-NA-C1A	7.25	109.99	106.68
16	W	515	CLA	C4A-NA-C1A	7.25	109.99	106.68
16	b	1235	CLA	C4A-NA-C1A	7.25	109.98	106.68
16	B	1207	CLA	C4A-NA-C1A	7.24	109.98	106.68
16	H	1113	CLA	C4A-NA-C1A	7.24	109.98	106.68
16	Y	512	CLA	C4A-NA-C1A	7.24	109.98	106.68
16	b	1217	CLA	C4A-NA-C1A	7.24	109.98	106.68
16	q	511	CLA	C4A-NA-C1A	7.24	109.98	106.68
16	b	1201	CLA	C4A-NA-C1A	7.23	109.98	106.68
16	B	1215	CLA	C4A-NA-C1A	7.23	109.98	106.68
16	B	1236	CLA	C4A-NA-C1A	7.23	109.98	106.68
16	p	508	CLA	C4A-NA-C1A	7.23	109.98	106.68
16	u	517	CLA	C4A-NA-C1A	7.22	109.97	106.68
16	o	505	CLA	C4A-NA-C1A	7.22	109.97	106.68
16	H	1101	CLA	C4A-NA-C1A	7.22	109.97	106.68
16	s	506	CLA	C4A-NA-C1A	7.22	109.97	106.68
16	B	1224	CLA	C4A-NA-C1A	7.21	109.97	106.68
16	s	504	CLA	C4A-NA-C1A	7.21	109.97	106.68
16	G	1224	CLA	C4A-NA-C1A	7.20	109.97	106.68
16	G	1238	CLA	C4A-NA-C1A	7.20	109.97	106.68
16	Y	508	CLA	C4A-NA-C1A	7.20	109.97	106.68
16	A	1126	CLA	C4A-NA-C1A	7.20	109.96	106.68
16	G	1236	CLA	C4A-NA-C1A	7.20	109.96	106.68
16	s	514	CLA	C4A-NA-C1A	7.20	109.96	106.68
16	A	1134	CLA	C4A-NA-C1A	7.19	109.96	106.68
16	x	505	CLA	C4A-NA-C1A	7.19	109.96	106.68
16	n	505	CLA	C4A-NA-C1A	7.19	109.96	106.68
16	n	515	CLA	C4A-NA-C1A	7.19	109.96	106.68
16	q	502	CLA	C4A-NA-C1A	7.19	109.96	106.68
16	H	1115	CLA	C4A-NA-C1A	7.19	109.96	106.68
16	b	1211	CLA	C4A-NA-C1A	7.19	109.96	106.68
16	o	513	CLA	C4A-NA-C1A	7.19	109.96	106.68
16	a	1101	CLA	C4A-NA-C1A	7.18	109.96	106.68
16	X	505	CLA	C4A-NA-C1A	7.18	109.95	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	a	1126	CLA	C4A-NA-C1A	7.18	109.95	106.68
16	n	503	CLA	C4A-NA-C1A	7.18	109.95	106.68
16	a	1134	CLA	C4A-NA-C1A	7.17	109.95	106.68
16	G	1201	CLA	C4A-NA-C1A	7.17	109.95	106.68
16	r	505	CLA	C4A-NA-C1A	7.17	109.95	106.68
16	X	517	CLA	C4A-NA-C1A	7.17	109.95	106.68
16	t	505	CLA	C4A-NA-C1A	7.17	109.95	106.68
16	u	515	CLA	C4A-NA-C1A	7.17	109.95	106.68
16	w	506	CLA	C4A-NA-C1A	7.17	109.95	106.68
16	X	515	CLA	C4A-NA-C1A	7.16	109.95	106.68
16	g	505	CLA	C4A-NA-C1A	7.16	109.94	106.68
16	H	1126	CLA	C4A-NA-C1A	7.16	109.94	106.68
16	s	515	CLA	C4A-NA-C1A	7.16	109.94	106.68
16	Y	504	CLA	C4A-NA-C1A	7.15	109.94	106.68
16	Z	513	CLA	C4A-NA-C1A	7.15	109.94	106.68
16	p	504	CLA	C4A-NA-C1A	7.15	109.94	106.68
16	r	515	CLA	C4A-NA-C1A	7.15	109.94	106.68
16	g	508	CLA	C4A-NA-C1A	7.15	109.94	106.68
16	w	517	CLA	C4A-NA-C1A	7.15	109.94	106.68
16	b	1236	CLA	C4A-NA-C1A	7.14	109.94	106.68
16	Z	510	CLA	C4A-NA-C1A	7.14	109.94	106.68
16	H	1125	CLA	C4A-NA-C1A	7.14	109.94	106.68
16	G	1217	CLA	C4A-NA-C1A	7.14	109.94	106.68
16	A	1115	CLA	C4A-NA-C1A	7.14	109.94	106.68
16	W	514	CLA	C4A-NA-C1A	7.14	109.94	106.68
16	t	512	CLA	C4A-NA-C1A	7.13	109.93	106.68
16	s	511	CLA	C4A-NA-C1A	7.13	109.93	106.68
16	H	1134	CLA	C4A-NA-C1A	7.13	109.93	106.68
16	G	1207	CLA	C4A-NA-C1A	7.13	109.93	106.68
16	B	1201	CLA	C4A-NA-C1A	7.12	109.93	106.68
16	y	514	CLA	C4A-NA-C1A	7.12	109.93	106.68
16	s	510	CLA	C4A-NA-C1A	7.12	109.93	106.68
16	A	1104	CLA	C4A-NA-C1A	7.12	109.93	106.68
16	p	514	CLA	C4A-NA-C1A	7.12	109.93	106.68
16	r	508	CLA	C4A-NA-C1A	7.12	109.93	106.68
16	t	508	CLA	C4A-NA-C1A	7.12	109.93	106.68
16	W	511	CLA	C4A-NA-C1A	7.11	109.92	106.68
16	a	1104	CLA	C4A-NA-C1A	7.11	109.92	106.68
16	w	507	CLA	C4A-NA-C1A	7.11	109.92	106.68
16	Y	501	CLA	C4A-NA-C1A	7.11	109.92	106.68
16	y	504	CLA	C4A-NA-C1A	7.10	109.92	106.68
16	p	517	CLA	C4A-NA-C1A	7.10	109.92	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	H	1402	CLA	C4A-NA-C1A	7.10	109.92	106.68
16	j	1302	CLA	C4A-NA-C1A	7.10	109.92	106.68
16	q	513	CLA	C4A-NA-C1A	7.10	109.92	106.68
16	a	1402	CLA	C4A-NA-C1A	7.09	109.91	106.68
16	s	512	CLA	C4A-NA-C1A	7.09	109.91	106.68
16	s	513	CLA	C4A-NA-C1A	7.09	109.91	106.68
16	H	1107	CLA	C4A-NA-C1A	7.09	109.91	106.68
16	s	517	CLA	C4A-NA-C1A	7.09	109.91	106.68
16	v	514	CLA	C4A-NA-C1A	7.09	109.91	106.68
16	Y	513	CLA	C4A-NA-C1A	7.09	109.91	106.68
16	X	503	CLA	C4A-NA-C1A	7.08	109.91	106.68
16	H	1122	CLA	C4A-NA-C1A	7.08	109.91	106.68
16	s	508	CLA	C4A-NA-C1A	7.08	109.91	106.68
16	Y	511	CLA	C4A-NA-C1A	7.07	109.90	106.68
16	Z	502	CLA	C4A-NA-C1A	7.07	109.90	106.68
16	Z	505	CLA	C4A-NA-C1A	7.07	109.90	106.68
16	H	1104	CLA	C4A-NA-C1A	7.07	109.90	106.68
16	n	511	CLA	C4A-NA-C1A	7.06	109.90	106.68
16	Y	514	CLA	C4A-NA-C1A	7.06	109.90	106.68
16	n	504	CLA	C4A-NA-C1A	7.06	109.90	106.68
16	S	1302	CLA	C4A-NA-C1A	7.06	109.90	106.68
16	H	1105	CLA	C4A-NA-C1A	7.06	109.90	106.68
16	t	514	CLA	C4A-NA-C1A	7.06	109.90	106.68
16	A	1402	CLA	C4A-NA-C1A	7.05	109.90	106.68
16	t	507	CLA	C4A-NA-C1A	7.05	109.90	106.68
16	q	514	CLA	C4A-NA-C1A	7.05	109.90	106.68
16	W	517	CLA	C4A-NA-C1A	7.05	109.89	106.68
16	g	515	CLA	C4A-NA-C1A	7.05	109.89	106.68
16	A	1118	CLA	C4A-NA-C1A	7.05	109.89	106.68
16	y	513	CLA	C4A-NA-C1A	7.05	109.89	106.68
16	o	515	CLA	C4A-NA-C1A	7.04	109.89	106.68
16	t	511	CLA	C4A-NA-C1A	7.04	109.89	106.68
16	B	1227	CLA	C4A-NA-C1A	7.04	109.89	106.68
16	A	1101	CLA	C4A-NA-C1A	7.04	109.89	106.68
16	q	507	CLA	C4A-NA-C1A	7.04	109.89	106.68
16	B	1238	CLA	C4A-NA-C1A	7.04	109.89	106.68
16	x	503	CLA	C4A-NA-C1A	7.04	109.89	106.68
16	a	1125	CLA	C4A-NA-C1A	7.03	109.89	106.68
16	b	1023	CLA	C4A-NA-C1A	7.03	109.89	106.68
16	a	1105	CLA	C4A-NA-C1A	7.03	109.89	106.68
16	G	1240	CLA	C4A-NA-C1A	7.03	109.89	106.68
16	A	1125	CLA	C4A-NA-C1A	7.03	109.88	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	g	503	CLA	C4A-NA-C1A	7.03	109.88	106.68
16	g	517	CLA	C4A-NA-C1A	7.03	109.88	106.68
16	q	517	CLA	C4A-NA-C1A	7.03	109.88	106.68
16	H	1118	CLA	C4A-NA-C1A	7.03	109.88	106.68
16	G	1227	CLA	C4A-NA-C1A	7.03	109.88	106.68
16	y	508	CLA	C4A-NA-C1A	7.02	109.88	106.68
16	p	512	CLA	C4A-NA-C1A	7.02	109.88	106.68
16	Y	516	CLA	C4A-NA-C1A	7.02	109.88	106.68
16	y	505	CLA	C4A-NA-C1A	7.01	109.88	106.68
16	x	513	CLA	C4A-NA-C1A	7.01	109.88	106.68
16	a	1118	CLA	C4A-NA-C1A	7.01	109.88	106.68
16	b	1238	CLA	C4A-NA-C1A	7.01	109.88	106.68
16	B	1216	CLA	C4A-NA-C1A	7.01	109.88	106.68
16	X	516	CLA	C4A-NA-C1A	7.01	109.88	106.68
16	p	502	CLA	C4A-NA-C1A	7.01	109.88	106.68
16	B	1234	CLA	C4A-NA-C1A	7.01	109.88	106.68
16	o	514	CLA	C4A-NA-C1A	7.01	109.88	106.68
16	r	503	CLA	C4A-NA-C1A	7.00	109.87	106.68
16	n	512	CLA	C4A-NA-C1A	7.00	109.87	106.68
16	t	503	CLA	C4A-NA-C1A	7.00	109.87	106.68
16	u	513	CLA	C4A-NA-C1A	7.00	109.87	106.68
16	X	513	CLA	C4A-NA-C1A	7.00	109.87	106.68
16	Y	507	CLA	C4A-NA-C1A	7.00	109.87	106.68
16	G	1228	CLA	C4A-NA-C1A	7.00	109.87	106.68
16	a	1107	CLA	C4A-NA-C1A	6.99	109.87	106.68
16	J	1302	CLA	C4A-NA-C1A	6.99	109.87	106.68
16	h	516	CLA	C4A-NA-C1A	6.99	109.87	106.68
16	t	504	CLA	C4A-NA-C1A	6.99	109.87	106.68
16	A	1137	CLA	C4A-NA-C1A	6.99	109.87	106.68
16	B	1229	CLA	C4A-NA-C1A	6.99	109.87	106.68
16	b	1219	CLA	C4A-NA-C1A	6.98	109.86	106.68
16	n	507	CLA	C4A-NA-C1A	6.98	109.86	106.68
16	n	517	CLA	C4A-NA-C1A	6.98	109.86	106.68
16	G	1219	CLA	C4A-NA-C1A	6.98	109.86	106.68
16	B	1213	CLA	C4A-NA-C1A	6.98	109.86	106.68
16	s	502	CLA	C4A-NA-C1A	6.98	109.86	106.68
16	A	1105	CLA	C4A-NA-C1A	6.97	109.86	106.68
16	Z	503	CLA	C4A-NA-C1A	6.97	109.86	106.68
16	Z	517	CLA	C4A-NA-C1A	6.97	109.86	106.68
16	u	504	CLA	C4A-NA-C1A	6.97	109.86	106.68
16	p	510	CLA	C4A-NA-C1A	6.97	109.86	106.68
16	H	1102	CLA	C4A-NA-C1A	6.97	109.86	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	Y	502	CLA	C4A-NA-C1A	6.97	109.86	106.68
16	b	1240	CLA	C4A-NA-C1A	6.96	109.86	106.68
16	o	501	CLA	C4A-NA-C1A	6.96	109.86	106.68
16	G	1023	CLA	C4A-NA-C1A	6.96	109.85	106.68
16	G	1213	CLA	C4A-NA-C1A	6.96	109.85	106.68
16	a	1122	CLA	C4A-NA-C1A	6.96	109.85	106.68
15	A	1011	CL0	C4A-NA-C1A	6.95	109.85	106.68
16	w	514	CLA	C4A-NA-C1A	6.95	109.85	106.68
16	a	1117	CLA	C4A-NA-C1A	6.95	109.85	106.68
16	A	1107	CLA	C4A-NA-C1A	6.95	109.85	106.68
16	a	1128	CLA	C4A-NA-C1A	6.95	109.85	106.68
16	B	1023	CLA	C4A-NA-C1A	6.95	109.85	106.68
16	G	1216	CLA	C4A-NA-C1A	6.95	109.85	106.68
16	x	502	CLA	C4A-NA-C1A	6.95	109.85	106.68
16	A	1102	CLA	C4A-NA-C1A	6.95	109.85	106.68
16	B	1240	CLA	C4A-NA-C1A	6.95	109.85	106.68
16	b	1213	CLA	C4A-NA-C1A	6.95	109.85	106.68
16	h	514	CLA	C4A-NA-C1A	6.94	109.85	106.68
16	q	516	CLA	C4A-NA-C1A	6.94	109.85	106.68
16	Z	501	CLA	C4A-NA-C1A	6.94	109.84	106.68
16	H	1137	CLA	C4A-NA-C1A	6.94	109.84	106.68
16	v	513	CLA	C4A-NA-C1A	6.94	109.84	106.68
16	a	1137	CLA	C4A-NA-C1A	6.93	109.84	106.68
16	w	516	CLA	C4A-NA-C1A	6.93	109.84	106.68
16	G	1234	CLA	C4A-NA-C1A	6.93	109.84	106.68
16	v	512	CLA	C4A-NA-C1A	6.93	109.84	106.68
16	t	516	CLA	C4A-NA-C1A	6.92	109.84	106.68
16	x	501	CLA	C4A-NA-C1A	6.92	109.84	106.68
16	A	1801	CLA	C4A-NA-C1A	6.92	109.84	106.68
16	h	508	CLA	C4A-NA-C1A	6.92	109.84	106.68
16	x	507	CLA	C4A-NA-C1A	6.92	109.84	106.68
16	A	1122	CLA	C4A-NA-C1A	6.92	109.84	106.68
16	y	503	CLA	C4A-NA-C1A	6.92	109.84	106.68
16	o	516	CLA	C4A-NA-C1A	6.92	109.83	106.68
16	H	1801	CLA	C4A-NA-C1A	6.92	109.83	106.68
16	o	511	CLA	C4A-NA-C1A	6.92	109.83	106.68
16	p	513	CLA	C4A-NA-C1A	6.92	109.83	106.68
16	r	513	CLA	C4A-NA-C1A	6.92	109.83	106.68
16	b	1206	CLA	C4A-NA-C1A	6.91	109.83	106.68
16	a	1801	CLA	C4A-NA-C1A	6.91	109.83	106.68
16	H	1119	CLA	C4A-NA-C1A	6.91	109.83	106.68
16	H	1128	CLA	C4A-NA-C1A	6.91	109.83	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	G	1229	CLA	C4A-NA-C1A	6.91	109.83	106.68
16	u	514	CLA	C4A-NA-C1A	6.91	109.83	106.68
16	a	1123	CLA	C4A-NA-C1A	6.90	109.83	106.68
16	n	508	CLA	C4A-NA-C1A	6.90	109.83	106.68
16	r	504	CLA	C4A-NA-C1A	6.90	109.83	106.68
16	G	1232	CLA	C4A-NA-C1A	6.90	109.83	106.68
16	t	515	CLA	C4A-NA-C1A	6.90	109.83	106.68
16	b	1232	CLA	C4A-NA-C1A	6.90	109.83	106.68
16	Z	514	CLA	C4A-NA-C1A	6.90	109.83	106.68
16	h	513	CLA	C4A-NA-C1A	6.90	109.83	106.68
16	H	1123	CLA	C4A-NA-C1A	6.90	109.83	106.68
16	v	517	CLA	C4A-NA-C1A	6.90	109.83	106.68
16	r	517	CLA	C4A-NA-C1A	6.90	109.83	106.68
16	a	1102	CLA	C4A-NA-C1A	6.90	109.83	106.68
16	v	508	CLA	C4A-NA-C1A	6.89	109.82	106.68
16	A	1119	CLA	C4A-NA-C1A	6.89	109.82	106.68
16	B	1232	CLA	C4A-NA-C1A	6.89	109.82	106.68
16	p	507	CLA	C4A-NA-C1A	6.89	109.82	106.68
16	u	511	CLA	C4A-NA-C1A	6.89	109.82	106.68
16	B	1206	CLA	C4A-NA-C1A	6.88	109.82	106.68
16	b	1227	CLA	C4A-NA-C1A	6.88	109.82	106.68
16	b	1228	CLA	C4A-NA-C1A	6.88	109.82	106.68
16	B	1212	CLA	C4A-NA-C1A	6.88	109.82	106.68
16	X	501	CLA	C4A-NA-C1A	6.88	109.82	106.68
16	b	1216	CLA	C4A-NA-C1A	6.88	109.82	106.68
16	L	1503	CLA	C4A-NA-C1A	6.87	109.81	106.68
16	x	512	CLA	C4A-NA-C1A	6.87	109.81	106.68
16	h	505	CLA	C4A-NA-C1A	6.87	109.81	106.68
16	h	512	CLA	C4A-NA-C1A	6.87	109.81	106.68
16	B	1219	CLA	C4A-NA-C1A	6.87	109.81	106.68
16	b	1234	CLA	C4A-NA-C1A	6.87	109.81	106.68
16	G	1206	CLA	C4A-NA-C1A	6.87	109.81	106.68
16	s	507	CLA	C4A-NA-C1A	6.87	109.81	106.68
16	v	516	CLA	C4A-NA-C1A	6.86	109.81	106.68
16	H	1117	CLA	C4A-NA-C1A	6.86	109.81	106.68
16	G	1221	CLA	C4A-NA-C1A	6.86	109.81	106.68
16	n	516	CLA	C4A-NA-C1A	6.86	109.81	106.68
16	a	1119	CLA	C4A-NA-C1A	6.85	109.81	106.68
15	H	1011	CL0	C4A-NA-C1A	6.85	109.81	106.68
16	g	507	CLA	C4A-NA-C1A	6.85	109.81	106.68
16	F	1301	CLA	C4A-NA-C1A	6.85	109.80	106.68
16	n	502	CLA	C4A-NA-C1A	6.85	109.80	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	G	1209	CLA	C4A-NA-C1A	6.85	109.80	106.68
16	y	512	CLA	C4A-NA-C1A	6.85	109.80	106.68
16	A	1128	CLA	C4A-NA-C1A	6.85	109.80	106.68
16	b	1226	CLA	C4A-NA-C1A	6.84	109.80	106.68
16	r	502	CLA	C4A-NA-C1A	6.84	109.80	106.68
16	r	512	CLA	C4A-NA-C1A	6.84	109.80	106.68
16	r	516	CLA	C4A-NA-C1A	6.84	109.80	106.68
16	p	516	CLA	C4A-NA-C1A	6.84	109.80	106.68
16	X	514	CLA	C4A-NA-C1A	6.84	109.80	106.68
16	b	1209	CLA	C4A-NA-C1A	6.84	109.80	106.68
16	G	1212	CLA	C4A-NA-C1A	6.84	109.80	106.68
16	v	501	CLA	C4A-NA-C1A	6.84	109.80	106.68
16	b	1212	CLA	C4A-NA-C1A	6.83	109.80	106.68
16	v	511	CLA	C4A-NA-C1A	6.83	109.80	106.68
16	b	1229	CLA	C4A-NA-C1A	6.83	109.80	106.68
16	A	1127	CLA	C4A-NA-C1A	6.83	109.79	106.68
16	A	1117	CLA	C4A-NA-C1A	6.83	109.79	106.68
16	B	1209	CLA	C4A-NA-C1A	6.83	109.79	106.68
16	g	502	CLA	C4A-NA-C1A	6.83	109.79	106.68
16	h	517	CLA	C4A-NA-C1A	6.83	109.79	106.68
16	x	517	CLA	C4A-NA-C1A	6.83	109.79	106.68
16	H	1127	CLA	C4A-NA-C1A	6.82	109.79	106.68
16	y	517	CLA	C4A-NA-C1A	6.82	109.79	106.68
16	p	501	CLA	C4A-NA-C1A	6.82	109.79	106.68
16	B	1221	CLA	C4A-NA-C1A	6.81	109.79	106.68
16	y	501	CLA	C4A-NA-C1A	6.81	109.79	106.68
16	b	1221	CLA	C4A-NA-C1A	6.81	109.79	106.68
16	H	1114	CLA	C4A-NA-C1A	6.81	109.79	106.68
16	B	1228	CLA	C4A-NA-C1A	6.81	109.78	106.68
16	g	504	CLA	C4A-NA-C1A	6.80	109.78	106.68
16	u	516	CLA	C4A-NA-C1A	6.79	109.78	106.68
16	v	505	CLA	C4A-NA-C1A	6.79	109.78	106.68
16	o	517	CLA	C4A-NA-C1A	6.79	109.78	106.68
16	h	511	CLA	C4A-NA-C1A	6.79	109.78	106.68
15	a	1011	CL0	C4A-NA-C1A	6.79	109.78	106.68
16	A	1123	CLA	C4A-NA-C1A	6.79	109.78	106.68
16	l	1503	CLA	C4A-NA-C1A	6.79	109.78	106.68
16	h	503	CLA	C4A-NA-C1A	6.78	109.77	106.68
16	Z	512	CLA	C4A-NA-C1A	6.78	109.77	106.68
16	h	501	CLA	C4A-NA-C1A	6.78	109.77	106.68
16	X	511	CLA	C4A-NA-C1A	6.78	109.77	106.68
16	Y	517	CLA	C4A-NA-C1A	6.78	109.77	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	x	504	CLA	C4A-NA-C1A	6.78	109.77	106.68
16	J	1303	CLA	C4A-NA-C1A	6.77	109.77	106.68
16	X	507	CLA	C4A-NA-C1A	6.77	109.77	106.68
16	q	510	CLA	C4A-NA-C1A	6.77	109.77	106.68
16	H	1013	CLA	C4A-NA-C1A	6.77	109.77	106.68
16	w	504	CLA	C4A-NA-C1A	6.77	109.77	106.68
16	U	1503	CLA	C4A-NA-C1A	6.76	109.77	106.68
16	s	516	CLA	C4A-NA-C1A	6.76	109.77	106.68
16	A	1114	CLA	C4A-NA-C1A	6.76	109.76	106.68
16	H	1108	CLA	C4A-NA-C1A	6.76	109.76	106.68
16	A	1140	CLA	C4A-NA-C1A	6.76	109.76	106.68
16	p	503	CLA	C4A-NA-C1A	6.76	109.76	106.68
16	G	1226	CLA	C4A-NA-C1A	6.76	109.76	106.68
16	A	1108	CLA	C4A-NA-C1A	6.76	109.76	106.68
16	a	1127	CLA	C4A-NA-C1A	6.76	109.76	106.68
16	q	503	CLA	C4A-NA-C1A	6.76	109.76	106.68
16	u	501	CLA	C4A-NA-C1A	6.76	109.76	106.68
16	B	1226	CLA	C4A-NA-C1A	6.76	109.76	106.68
16	j	1303	CLA	C4A-NA-C1A	6.76	109.76	106.68
16	S	1303	CLA	C4A-NA-C1A	6.76	109.76	106.68
16	Y	503	CLA	C4A-NA-C1A	6.75	109.76	106.68
16	y	509	CLA	C4A-NA-C1A	6.75	109.76	106.68
16	s	501	CLA	C4A-NA-C1A	6.75	109.76	106.68
16	g	513	CLA	C4A-NA-C1A	6.75	109.76	106.68
16	g	516	CLA	C4A-NA-C1A	6.75	109.76	106.68
16	o	504	CLA	C4A-NA-C1A	6.75	109.76	106.68
16	s	503	CLA	C4A-NA-C1A	6.75	109.76	106.68
16	w	503	CLA	C4A-NA-C1A	6.74	109.76	106.68
16	H	1140	CLA	C4A-NA-C1A	6.74	109.75	106.68
16	v	510	CLA	C4A-NA-C1A	6.74	109.75	106.68
16	g	501	CLA	C4A-NA-C1A	6.74	109.75	106.68
16	r	510	CLA	C4A-NA-C1A	6.74	109.75	106.68
16	y	502	CLA	C4A-NA-C1A	6.73	109.75	106.68
16	H	1112	CLA	C4A-NA-C1A	6.72	109.75	106.68
16	r	501	CLA	C4A-NA-C1A	6.72	109.74	106.68
16	v	503	CLA	C4A-NA-C1A	6.72	109.74	106.68
16	a	1140	CLA	C4A-NA-C1A	6.71	109.74	106.68
16	A	1013	CLA	C4A-NA-C1A	6.71	109.74	106.68
16	H	1110	CLA	C4A-NA-C1A	6.70	109.73	106.68
16	u	510	CLA	C4A-NA-C1A	6.70	109.73	106.68
16	q	512	CLA	C4A-NA-C1A	6.70	109.73	106.68
16	W	508	CLA	C4A-NA-C1A	6.69	109.73	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	y	516	CLA	C4A-NA-C1A	6.69	109.73	106.68
16	x	516	CLA	C4A-NA-C1A	6.69	109.73	106.68
16	g	514	CLA	C4A-NA-C1A	6.68	109.73	106.68
16	q	504	CLA	C4A-NA-C1A	6.68	109.73	106.68
16	r	507	CLA	C4A-NA-C1A	6.68	109.73	106.68
16	A	1132	CLA	C4A-NA-C1A	6.67	109.72	106.68
16	w	501	CLA	C4A-NA-C1A	6.67	109.72	106.68
16	p	511	CLA	C4A-NA-C1A	6.67	109.72	106.68
16	g	512	CLA	C4A-NA-C1A	6.67	109.72	106.68
16	a	1112	CLA	C4A-NA-C1A	6.67	109.72	106.68
16	G	1208	CLA	C4A-NA-C1A	6.67	109.72	106.68
16	W	501	CLA	C4A-NA-C1A	6.67	109.72	106.68
16	o	512	CLA	C4A-NA-C1A	6.67	109.72	106.68
16	H	1136	CLA	C4A-NA-C1A	6.67	109.72	106.68
16	A	1136	CLA	C4A-NA-C1A	6.66	109.72	106.68
16	X	510	CLA	C4A-NA-C1A	6.66	109.72	106.68
16	X	502	CLA	C4A-NA-C1A	6.65	109.71	106.68
16	a	1133	CLA	C4A-NA-C1A	6.65	109.71	106.68
16	h	502	CLA	C4A-NA-C1A	6.64	109.71	106.68
16	a	1108	CLA	C4A-NA-C1A	6.64	109.71	106.68
16	Y	510	CLA	C4A-NA-C1A	6.64	109.71	106.68
16	a	1114	CLA	C4A-NA-C1A	6.64	109.71	106.68
16	Q	1301	CLA	C4A-NA-C1A	6.64	109.71	106.68
16	W	516	CLA	C4A-NA-C1A	6.64	109.71	106.68
16	H	1132	CLA	C4A-NA-C1A	6.64	109.71	106.68
16	A	1112	CLA	C4A-NA-C1A	6.63	109.71	106.68
16	Z	504	CLA	C4A-NA-C1A	6.63	109.70	106.68
16	a	1136	CLA	C4A-NA-C1A	6.63	109.70	106.68
16	u	507	CLA	C4A-NA-C1A	6.63	109.70	106.68
16	v	502	CLA	C4A-NA-C1A	6.62	109.70	106.68
16	g	510	CLA	C4A-NA-C1A	6.62	109.70	106.68
16	a	1013	CLA	C4A-NA-C1A	6.62	109.70	106.68
16	x	515	CLA	C4A-NA-C1A	6.62	109.70	106.68
16	X	504	CLA	C4A-NA-C1A	6.61	109.69	106.68
16	t	510	CLA	C4A-NA-C1A	6.61	109.69	106.68
16	Z	516	CLA	C4A-NA-C1A	6.60	109.69	106.68
16	f	1301	CLA	C4A-NA-C1A	6.60	109.69	106.68
16	y	510	CLA	C4A-NA-C1A	6.60	109.69	106.68
16	h	509	CLA	C4A-NA-C1A	6.60	109.69	106.68
16	w	512	CLA	C4A-NA-C1A	6.60	109.69	106.68
16	a	1132	CLA	C4A-NA-C1A	6.60	109.69	106.68
16	o	507	CLA	C4A-NA-C1A	6.59	109.69	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	b	1231	CLA	C4A-NA-C1A	6.59	109.69	106.68
16	B	1208	CLA	C4A-NA-C1A	6.59	109.69	106.68
16	W	504	CLA	C4A-NA-C1A	6.59	109.69	106.68
16	b	1208	CLA	C4A-NA-C1A	6.59	109.68	106.68
16	o	510	CLA	C4A-NA-C1A	6.58	109.68	106.68
16	n	513	CLA	C4A-NA-C1A	6.58	109.68	106.68
16	W	513	CLA	C4A-NA-C1A	6.57	109.68	106.68
16	a	1131	CLA	C4A-NA-C1A	6.57	109.68	106.68
16	t	509	CLA	C4A-NA-C1A	6.57	109.68	106.68
16	A	1110	CLA	C4A-NA-C1A	6.57	109.68	106.68
16	y	511	CLA	C4A-NA-C1A	6.57	109.68	106.68
16	r	514	CLA	C4A-NA-C1A	6.57	109.68	106.68
16	H	1133	CLA	C4A-NA-C1A	6.57	109.67	106.68
16	q	501	CLA	C4A-NA-C1A	6.56	109.67	106.68
16	u	512	CLA	C4A-NA-C1A	6.56	109.67	106.68
16	H	1135	CLA	C4A-NA-C1A	6.56	109.67	106.68
16	h	507	CLA	C4A-NA-C1A	6.56	109.67	106.68
16	a	1110	CLA	C4A-NA-C1A	6.55	109.67	106.68
16	n	509	CLA	C4A-NA-C1A	6.55	109.67	106.68
16	a	1121	CLA	C4A-NA-C1A	6.55	109.67	106.68
16	o	509	CLA	C4A-NA-C1A	6.54	109.66	106.68
16	H	1121	CLA	C4A-NA-C1A	6.54	109.66	106.68
16	A	1133	CLA	C4A-NA-C1A	6.54	109.66	106.68
16	W	507	CLA	C4A-NA-C1A	6.53	109.66	106.68
16	G	1231	CLA	C4A-NA-C1A	6.53	109.66	106.68
16	W	502	CLA	C4A-NA-C1A	6.53	109.66	106.68
16	n	501	CLA	C4A-NA-C1A	6.52	109.65	106.68
16	x	514	CLA	C4A-NA-C1A	6.52	109.65	106.68
16	t	513	CLA	C4A-NA-C1A	6.51	109.65	106.68
16	x	510	CLA	C4A-NA-C1A	6.51	109.65	106.68
16	h	510	CLA	C4A-NA-C1A	6.50	109.64	106.68
16	a	1129	CLA	C4A-NA-C1A	6.49	109.64	106.68
16	u	502	CLA	C4A-NA-C1A	6.49	109.64	106.68
16	B	1202	CLA	C4A-NA-C1A	6.49	109.64	106.68
16	A	1129	CLA	C4A-NA-C1A	6.48	109.64	106.68
16	G	1202	CLA	C4A-NA-C1A	6.48	109.63	106.68
16	o	502	CLA	C4A-NA-C1A	6.47	109.63	106.68
16	y	507	CLA	C4A-NA-C1A	6.47	109.63	106.68
16	H	1131	CLA	C4A-NA-C1A	6.47	109.63	106.68
16	A	1121	CLA	C4A-NA-C1A	6.47	109.63	106.68
16	A	1135	CLA	C4A-NA-C1A	6.47	109.63	106.68
16	B	1231	CLA	C4A-NA-C1A	6.47	109.63	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	v	509	CLA	C4A-NA-C1A	6.46	109.62	106.68
16	H	1129	CLA	C4A-NA-C1A	6.45	109.62	106.68
16	g	509	CLA	C4A-NA-C1A	6.45	109.62	106.68
16	w	510	CLA	C4A-NA-C1A	6.45	109.62	106.68
16	b	1202	CLA	C4A-NA-C1A	6.44	109.62	106.68
16	n	510	CLA	C4A-NA-C1A	6.44	109.62	106.68
16	a	1111	CLA	C4A-NA-C1A	6.44	109.61	106.68
16	s	509	CLA	C4A-NA-C1A	6.44	109.61	106.68
16	Y	509	CLA	C4A-NA-C1A	6.43	109.61	106.68
16	a	1135	CLA	C4A-NA-C1A	6.43	109.61	106.68
16	t	501	CLA	C4A-NA-C1A	6.43	109.61	106.68
16	Z	509	CLA	C4A-NA-C1A	6.42	109.61	106.68
16	H	1111	CLA	C4A-NA-C1A	6.42	109.61	106.68
16	A	1131	CLA	C4A-NA-C1A	6.40	109.60	106.68
16	A	1111	CLA	C4A-NA-C1A	6.39	109.59	106.68
16	w	509	CLA	C4A-NA-C1A	6.38	109.59	106.68
16	u	509	CLA	C4A-NA-C1A	6.38	109.59	106.68
16	X	512	CLA	C4A-NA-C1A	6.37	109.59	106.68
16	v	507	CLA	C4A-NA-C1A	6.36	109.58	106.68
16	G	1210	CLA	C4A-NA-C1A	6.35	109.58	106.68
16	A	1116	CLA	C4A-NA-C1A	6.33	109.57	106.68
16	a	1116	CLA	C4A-NA-C1A	6.33	109.57	106.68
16	B	1210	CLA	C4A-NA-C1A	6.29	109.55	106.68
16	W	509	CLA	C4A-NA-C1A	6.28	109.54	106.68
16	H	1116	CLA	C4A-NA-C1A	6.28	109.54	106.68
16	W	510	CLA	C4A-NA-C1A	6.27	109.54	106.68
16	b	1210	CLA	C4A-NA-C1A	6.27	109.54	106.68
16	p	509	CLA	C4A-NA-C1A	6.27	109.54	106.68
16	X	509	CLA	C4A-NA-C1A	6.25	109.53	106.68
16	r	509	CLA	C4A-NA-C1A	6.20	109.51	106.68
16	q	509	CLA	C4A-NA-C1A	6.20	109.51	106.68
16	H	1124	CLA	C4A-NA-C1A	6.17	109.50	106.68
16	F	1302	CLA	C4A-NA-C1A	6.15	109.49	106.68
16	x	509	CLA	C4A-NA-C1A	6.15	109.49	106.68
16	a	1124	CLA	C4A-NA-C1A	6.14	109.48	106.68
16	A	1124	CLA	C4A-NA-C1A	6.14	109.48	106.68
16	A	1139	CLA	C4A-NA-C1A	6.12	109.47	106.68
16	f	1302	CLA	C4A-NA-C1A	6.11	109.47	106.68
16	a	1139	CLA	C4A-NA-C1A	6.09	109.46	106.68
16	H	1139	CLA	C4A-NA-C1A	6.09	109.46	106.68
16	Q	1302	CLA	C4A-NA-C1A	6.05	109.44	106.68
16	b	1225	CLA	C4A-NA-C1A	6.00	109.42	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	B	1225	CLA	C4A-NA-C1A	5.96	109.40	106.68
16	G	1222	CLA	C4A-NA-C1A	5.94	109.39	106.68
16	A	1130	CLA	C4A-NA-C1A	5.92	109.38	106.68
16	B	1222	CLA	C4A-NA-C1A	5.91	109.38	106.68
16	G	1225	CLA	C4A-NA-C1A	5.90	109.37	106.68
16	a	1130	CLA	C4A-NA-C1A	5.87	109.36	106.68
16	H	1130	CLA	C4A-NA-C1A	5.84	109.34	106.68
16	b	1222	CLA	C4A-NA-C1A	5.82	109.34	106.68
16	b	1214	CLA	C4A-NA-C1A	5.76	109.31	106.68
16	G	1214	CLA	C4A-NA-C1A	5.75	109.30	106.68
16	B	1214	CLA	C4A-NA-C1A	5.69	109.28	106.68
16	b	1012	CLA	C4A-NA-C1A	5.58	109.23	106.68
16	G	1012	CLA	C4A-NA-C1A	5.54	109.20	106.68
16	B	1012	CLA	C4A-NA-C1A	5.45	109.17	106.68
16	A	1107	CLA	CAA-C2A-C3A	-5.35	98.55	113.00
16	H	1107	CLA	CAA-C2A-C3A	-5.34	98.57	113.00
16	a	1107	CLA	CAA-C2A-C3A	-5.34	98.58	113.00
16	B	1023	CLA	CAC-C3C-C4C	5.14	131.47	124.79
16	G	1023	CLA	CAC-C3C-C4C	5.13	131.46	124.79
16	b	1023	CLA	CAC-C3C-C4C	5.10	131.43	124.79
16	a	1128	CLA	CMB-C2B-C1B	-4.85	118.03	125.42
16	H	1128	CLA	CMB-C2B-C1B	-4.84	118.05	125.42
16	A	1128	CLA	CMB-C2B-C1B	-4.84	118.05	125.42
16	B	1224	CLA	O2D-CGD-O1D	-4.79	114.52	123.85
16	G	1224	CLA	O2D-CGD-O1D	-4.78	114.55	123.85
16	b	1224	CLA	O2D-CGD-O1D	-4.76	114.58	123.85
16	B	1012	CLA	C3B-C4B-NB	-4.70	106.34	110.53
16	b	1012	CLA	C3B-C4B-NB	-4.69	106.34	110.53
16	G	1012	CLA	C3B-C4B-NB	-4.69	106.34	110.53
16	X	517	CLA	O2D-CGD-O1D	-4.68	114.74	123.85
16	u	517	CLA	O2D-CGD-O1D	-4.53	115.03	123.85
13	a	851	LHG	O4-P-O5	4.51	133.41	112.44
13	H	851	LHG	O4-P-O5	4.50	133.38	112.44
13	A	851	LHG	O4-P-O5	4.49	133.33	112.44
16	H	1022	CLA	C4A-NA-C1A	4.48	108.72	106.68
13	i	103	LHG	O4-P-O5	4.41	132.97	112.44
13	H	849	LHG	O4-P-O5	4.41	132.95	112.44
13	I	103	LHG	O4-P-O5	4.40	132.93	112.44
13	R	103	LHG	O4-P-O5	4.40	132.92	112.44
13	a	849	LHG	O4-P-O5	4.40	132.90	112.44
13	A	849	LHG	O4-P-O5	4.39	132.88	112.44
16	A	1022	CLA	C4A-NA-C1A	4.38	108.68	106.68

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	B	1210	CLA	CBC-CAC-C3C	4.36	124.23	112.42
16	G	1210	CLA	CBC-CAC-C3C	4.35	124.22	112.42
16	b	1210	CLA	CBC-CAC-C3C	4.35	124.21	112.42
16	a	1022	CLA	C4A-NA-C1A	4.30	108.64	106.68
16	j	1303	CLA	CAA-C2A-C3A	-4.27	106.44	116.23
16	J	1303	CLA	CAA-C2A-C3A	-4.24	106.50	116.23
16	S	1303	CLA	CAA-C2A-C3A	-4.24	106.50	116.23
16	A	1013	CLA	C1-O2A-CGA	4.24	126.91	116.65
16	H	1013	CLA	C1-O2A-CGA	4.22	126.88	116.65
16	a	1013	CLA	C1-O2A-CGA	4.21	126.85	116.65
16	a	1022	CLA	C3B-C4B-NB	-4.21	106.77	110.53
16	A	1022	CLA	C3B-C4B-NB	-4.19	106.79	110.53
16	G	1210	CLA	CAC-C3C-C2C	-4.19	119.87	127.56
16	b	1210	CLA	CAC-C3C-C2C	-4.18	119.87	127.56
16	H	1022	CLA	C3B-C4B-NB	-4.17	106.80	110.53
16	B	1210	CLA	CAC-C3C-C2C	-4.16	119.92	127.56
16	H	1124	CLA	CAA-C2A-C3A	-4.01	102.15	113.00
16	a	1124	CLA	CAA-C2A-C3A	-4.01	102.16	113.00
16	b	1023	CLA	CHB-C4A-NA	4.01	130.19	124.40
16	A	1124	CLA	CAA-C2A-C3A	-4.00	102.19	113.00
16	G	1023	CLA	CHB-C4A-NA	3.99	130.16	124.40
16	B	1023	CLA	CHB-C4A-NA	3.98	130.14	124.40
19	b	4005	BCR	C24-C23-C22	-3.96	120.38	126.23
19	G	4005	BCR	C24-C23-C22	-3.95	120.40	126.23
19	B	4005	BCR	C24-C23-C22	-3.94	120.40	126.23
16	A	1126	CLA	C3B-C4B-NB	-3.89	107.06	110.53
19	w	604	BCR	C2-C1-C6	3.88	116.08	110.44
19	Z	604	BCR	C2-C1-C6	3.87	116.07	110.44
19	X	604	BCR	C2-C1-C6	3.87	116.06	110.44
16	u	511	CLA	CMB-C2B-C1B	-3.87	119.53	125.42
19	v	601	BCR	C2-C1-C6	3.87	116.06	110.44
19	h	601	BCR	C2-C1-C6	3.87	116.05	110.44
19	r	604	BCR	C2-C1-C6	3.86	116.05	110.44
19	g	604	BCR	C2-C1-C6	3.86	116.04	110.44
19	p	603	BCR	C2-C1-C6	3.86	116.04	110.44
16	a	1126	CLA	C3B-C4B-NB	-3.86	107.09	110.53
19	s	602	BCR	C2-C1-C6	3.86	116.04	110.44
16	o	511	CLA	CMB-C2B-C1B	-3.85	119.55	125.42
16	q	517	CLA	O2D-CGD-O1D	-3.85	116.35	123.85
16	A	1013	CLA	CMB-C2B-C1B	-3.85	119.56	125.42
19	g	603	BCR	C2-C1-C6	3.85	116.03	110.44
16	H	1013	CLA	CMB-C2B-C1B	-3.84	119.56	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	G	1226	CLA	CMB-C2B-C1B	-3.84	119.58	125.42
19	s	603	BCR	C2-C1-C6	3.84	116.01	110.44
16	H	1126	CLA	C3B-C4B-NB	-3.84	107.11	110.53
16	b	1222	CLA	CAA-C2A-C3A	-3.84	102.64	113.00
19	x	604	BCR	C2-C1-C6	3.83	116.01	110.44
16	b	1226	CLA	CMB-C2B-C1B	-3.83	119.58	125.42
16	B	1226	CLA	CMB-C2B-C1B	-3.83	119.58	125.42
19	x	603	BCR	C2-C1-C6	3.83	116.00	110.44
19	Y	603	BCR	C2-C1-C6	3.83	116.00	110.44
19	y	601	BCR	C2-C1-C6	3.83	116.00	110.44
16	G	1222	CLA	CAA-C2A-C3A	-3.83	102.66	113.00
16	B	1023	CLA	C3B-C4B-NB	-3.83	107.11	110.53
19	q	604	BCR	C2-C1-C6	3.82	115.99	110.44
16	B	1222	CLA	CAA-C2A-C3A	-3.82	102.67	113.00
16	G	1023	CLA	C3B-C4B-NB	-3.82	107.12	110.53
19	Y	602	BCR	C2-C1-C6	3.82	115.99	110.44
16	a	1013	CLA	CMB-C2B-C1B	-3.82	119.61	125.42
16	o	517	CLA	O2D-CGD-O1D	-3.81	116.43	123.85
19	y	603	BCR	C15-C16-C17	-3.81	115.72	123.52
19	i	4018	BCR	C2-C1-C6	3.80	115.96	110.44
19	o	604	BCR	C2-C1-C6	3.80	115.96	110.44
19	W	603	BCR	C2-C1-C6	3.79	115.95	110.44
19	p	602	BCR	C2-C1-C6	3.79	115.94	110.44
16	X	511	CLA	CMB-C2B-C1B	-3.79	119.65	125.42
19	R	4018	BCR	C2-C1-C6	3.78	115.93	110.44
19	g	601	BCR	C2-C1-C6	3.78	115.93	110.44
16	b	1023	CLA	C3B-C4B-NB	-3.78	107.16	110.53
19	r	603	BCR	C2-C1-C6	3.78	115.93	110.44
19	t	603	BCR	C2-C1-C6	3.78	115.93	110.44
19	q	601	BCR	C2-C1-C6	3.77	115.92	110.44
19	I	4018	BCR	C2-C1-C6	3.77	115.92	110.44
16	H	1134	CLA	O2D-CGD-O1D	-3.76	116.53	123.85
16	a	1134	CLA	O2D-CGD-O1D	-3.76	116.54	123.85
19	Y	604	BCR	C2-C1-C6	3.75	115.89	110.44
19	n	603	BCR	C2-C1-C6	3.75	115.89	110.44
19	u	604	BCR	C2-C1-C6	3.75	115.88	110.44
19	x	601	BCR	C2-C1-C6	3.75	115.88	110.44
19	r	601	BCR	C2-C1-C6	3.75	115.88	110.44
16	H	1104	CLA	CAA-C2A-C3A	-3.74	102.89	113.00
16	w	517	CLA	O2D-CGD-O1D	-3.74	116.57	123.85
19	w	601	BCR	C2-C1-C6	3.74	115.87	110.44
16	A	1134	CLA	O2D-CGD-O1D	-3.74	116.57	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
19	s	604	BCR	C2-C1-C6	3.74	115.86	110.44
16	A	1104	CLA	CAA-C2A-C3A	-3.73	102.91	113.00
16	a	1104	CLA	CAA-C2A-C3A	-3.73	102.91	113.00
19	p	604	BCR	C2-C1-C6	3.73	115.86	110.44
19	W	601	BCR	C2-C1-C6	3.73	115.85	110.44
19	Z	601	BCR	C2-C1-C6	3.72	115.84	110.44
19	b	4005	BCR	C28-C27-C26	-3.72	107.43	114.06
19	G	4005	BCR	C28-C27-C26	-3.71	107.44	114.06
19	B	4005	BCR	C28-C27-C26	-3.71	107.45	114.06
19	p	601	BCR	C2-C1-C6	3.71	115.82	110.44
19	U	4019	BCR	C24-C23-C22	-3.70	120.76	126.23
16	v	509	CLA	O2D-CGD-O1D	-3.70	116.65	123.85
19	s	601	BCR	C2-C1-C6	3.69	115.81	110.44
19	L	4019	BCR	C24-C23-C22	-3.69	120.77	126.23
19	u	601	BCR	C2-C1-C6	3.69	115.80	110.44
19	h	604	BCR	C2-C1-C6	3.69	115.79	110.44
19	X	602	BCR	C2-C1-C6	3.68	115.78	110.44
19	o	603	BCR	C2-C1-C6	3.67	115.78	110.44
19	n	601	BCR	C2-C1-C6	3.67	115.77	110.44
19	S	4012	BCR	C2-C1-C6	3.67	115.77	110.44
19	o	602	BCR	C2-C1-C6	3.67	115.77	110.44
16	X	517	CLA	O2D-CGD-CBD	3.67	117.65	111.23
19	l	4019	BCR	C24-C23-C22	-3.67	120.81	126.23
19	J	4012	BCR	C2-C1-C6	3.65	115.75	110.44
16	H	1124	CLA	C3B-C4B-NB	-3.65	107.27	110.53
19	u	603	BCR	C2-C1-C6	3.65	115.75	110.44
19	j	4012	BCR	C2-C1-C6	3.65	115.74	110.44
19	t	601	BCR	C2-C1-C6	3.65	115.74	110.44
16	G	1235	CLA	O2D-CGD-O1D	-3.65	116.75	123.85
16	B	1235	CLA	O2D-CGD-O1D	-3.64	116.76	123.85
19	Y	601	BCR	C2-C1-C6	3.64	115.73	110.44
19	X	603	BCR	C2-C1-C6	3.64	115.73	110.44
19	u	602	BCR	C2-C1-C6	3.64	115.73	110.44
16	u	517	CLA	O2D-CGD-CBD	3.64	117.59	111.23
19	X	601	BCR	C2-C1-C6	3.64	115.72	110.44
16	a	1124	CLA	C3B-C4B-NB	-3.63	107.29	110.53
19	o	601	BCR	C2-C1-C6	3.62	115.70	110.44
16	b	1235	CLA	O2D-CGD-O1D	-3.62	116.81	123.85
19	U	4022	BCR	C2-C1-C6	3.61	115.68	110.44
16	A	1124	CLA	C3B-C4B-NB	-3.61	107.31	110.53
15	A	1011	CL0	CHB-C4A-NA	3.60	129.59	124.40
19	L	4022	BCR	C2-C1-C6	3.59	115.66	110.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
15	H	1011	CL0	CHB-C4A-NA	3.59	129.58	124.40
19	b	4009	BCR	C2-C1-C6	3.59	115.65	110.44
16	Q	1301	CLA	CMB-C2B-C1B	-3.58	119.96	125.42
16	Z	517	CLA	O2D-CGD-O1D	-3.58	116.88	123.85
19	l	4022	BCR	C2-C1-C6	3.57	115.63	110.44
19	B	4009	BCR	C2-C1-C6	3.57	115.63	110.44
16	X	512	CLA	CAA-C2A-C3A	-3.57	103.35	113.00
16	B	1012	CLA	CMD-C2D-C1D	-3.57	118.44	124.73
16	b	1012	CLA	CMD-C2D-C1D	-3.57	118.44	124.73
16	F	1301	CLA	CMB-C2B-C1B	-3.57	119.99	125.42
15	a	1011	CL0	CHB-C4A-NA	3.56	129.54	124.40
16	Y	503	CLA	CAA-C2A-C3A	-3.56	103.37	113.00
16	G	1012	CLA	CMD-C2D-C1D	-3.56	118.46	124.73
16	H	1137	CLA	O2D-CGD-O1D	-3.56	116.93	123.85
19	G	4009	BCR	C2-C1-C6	3.55	115.60	110.44
16	A	1137	CLA	O2D-CGD-O1D	-3.55	116.94	123.85
16	a	1137	CLA	O2D-CGD-O1D	-3.54	116.96	123.85
16	G	1214	CLA	C3B-C4B-NB	-3.54	107.37	110.53
16	f	1301	CLA	CMB-C2B-C1B	-3.54	120.03	125.42
16	G	1021	CLA	CHB-C4A-NA	3.53	129.49	124.40
16	x	512	CLA	CAA-C2A-C3A	-3.53	103.47	113.00
16	B	1021	CLA	CHB-C4A-NA	3.52	129.48	124.40
19	v	603	BCR	C15-C16-C17	-3.52	116.32	123.52
19	h	603	BCR	C15-C16-C17	-3.52	116.32	123.52
16	b	1021	CLA	CHB-C4A-NA	3.52	129.47	124.40
15	a	1011	CL0	CAA-C2A-C3A	-3.52	103.50	113.00
15	A	1011	CL0	CAA-C2A-C3A	-3.51	103.52	113.00
15	H	1011	CL0	CAA-C2A-C3A	-3.51	103.53	113.00
16	H	1102	CLA	CHB-C4A-NA	3.50	129.45	124.40
16	r	512	CLA	CAA-C2A-C3A	-3.50	103.54	113.00
16	b	1214	CLA	C3B-C4B-NB	-3.50	107.41	110.53
16	A	1102	CLA	CHB-C4A-NA	3.49	129.44	124.40
16	W	517	CLA	O2D-CGD-O1D	-3.48	117.07	123.85
16	B	1214	CLA	C3B-C4B-NB	-3.48	107.42	110.53
16	u	501	CLA	O2D-CGD-O1D	-3.48	117.08	123.85
16	u	512	CLA	CAA-C2A-C3A	-3.47	103.62	113.00
16	t	517	CLA	O2D-CGD-O1D	-3.47	117.09	123.85
16	a	1102	CLA	CHB-C4A-NA	3.46	129.40	124.40
16	H	1013	CLA	CHB-C4A-NA	3.46	129.39	124.40
16	A	1132	CLA	CAA-C2A-C3A	-3.45	103.67	113.00
16	a	1132	CLA	CAA-C2A-C3A	-3.45	103.67	113.00
16	o	512	CLA	CAA-C2A-C3A	-3.45	103.67	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	H	1132	CLA	C3B-C4B-NB	-3.45	107.45	110.53
16	H	1132	CLA	CAA-C2A-C3A	-3.45	103.69	113.00
16	o	508	CLA	O2D-CGD-O1D	-3.44	117.15	123.85
16	H	1112	CLA	CMB-C2B-C1B	-3.44	120.18	125.42
16	A	1112	CLA	CMB-C2B-C1B	-3.44	120.18	125.42
16	Z	502	CLA	C3B-C4B-NB	-3.44	107.46	110.53
16	u	508	CLA	O2D-CGD-O1D	-3.43	117.17	123.85
16	H	1117	CLA	O2D-CGD-O1D	-3.42	117.19	123.85
16	a	1112	CLA	CMB-C2B-C1B	-3.42	120.21	125.42
16	Z	517	CLA	CMB-C2B-C1B	-3.42	120.21	125.42
16	B	1202	CLA	CAA-C2A-C3A	-3.42	103.76	113.00
16	a	1117	CLA	O2D-CGD-O1D	-3.42	117.20	123.85
16	X	508	CLA	O2D-CGD-O1D	-3.41	117.20	123.85
16	A	1117	CLA	O2D-CGD-O1D	-3.41	117.20	123.85
16	b	1202	CLA	CAA-C2A-C3A	-3.41	103.78	113.00
16	q	502	CLA	C3B-C4B-NB	-3.41	107.49	110.53
16	A	1013	CLA	CHB-C4A-NA	3.41	129.31	124.40
16	A	1110	CLA	O2D-CGD-O1D	-3.40	117.22	123.85
16	H	1110	CLA	O2D-CGD-O1D	-3.40	117.22	123.85
16	a	1132	CLA	C3B-C4B-NB	-3.40	107.49	110.53
16	G	1202	CLA	CAA-C2A-C3A	-3.40	103.81	113.00
16	a	1110	CLA	O2D-CGD-O1D	-3.39	117.25	123.85
16	p	505	CLA	O2D-CGD-O1D	-3.39	117.25	123.85
16	s	505	CLA	O2D-CGD-O1D	-3.39	117.26	123.85
16	b	1205	CLA	CHB-C4A-NA	3.38	129.28	124.40
16	A	1132	CLA	C3B-C4B-NB	-3.38	107.51	110.53
16	W	511	CLA	CMB-C2B-C1B	-3.38	120.27	125.42
16	a	1013	CLA	C3B-C4B-NB	-3.38	107.52	110.53
16	B	1023	CLA	CAA-C2A-C3A	-3.37	103.89	113.00
16	G	1023	CLA	CAA-C2A-C3A	-3.37	103.89	113.00
16	s	503	CLA	CAA-C2A-C3A	-3.37	103.90	113.00
16	B	1205	CLA	CHB-C4A-NA	3.37	129.26	124.40
16	B	1202	CLA	CMB-C2B-C1B	-3.37	120.29	125.42
16	X	502	CLA	C3B-C4B-NB	-3.37	107.53	110.53
16	a	1013	CLA	CHB-C4A-NA	3.37	129.26	124.40
16	b	1202	CLA	CMB-C2B-C1B	-3.36	120.30	125.42
19	n	603	BCR	C27-C26-C25	3.36	127.25	122.70
16	G	1205	CLA	CHB-C4A-NA	3.36	129.25	124.40
19	B	4017	BCR	C24-C23-C22	-3.35	121.27	126.23
16	b	1023	CLA	CAA-C2A-C3A	-3.35	103.94	113.00
16	G	1202	CLA	CMB-C2B-C1B	-3.35	120.32	125.42
16	b	1235	CLA	CMB-C2B-C1B	-3.35	120.32	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	B	1206	CLA	CMB-C2B-C1B	-3.35	120.32	125.42
16	G	1235	CLA	CMB-C2B-C1B	-3.35	120.32	125.42
16	B	1235	CLA	CMB-C2B-C1B	-3.35	120.32	125.42
16	A	1013	CLA	C3B-C4B-NB	-3.35	107.54	110.53
16	a	1129	CLA	C3B-C4B-NB	-3.34	107.55	110.53
19	A	4008	BCR	C24-C23-C22	-3.34	121.30	126.23
16	G	1206	CLA	CMB-C2B-C1B	-3.34	120.34	125.42
16	q	512	CLA	CAA-C2A-C3A	-3.34	103.98	113.00
16	w	512	CLA	CAA-C2A-C3A	-3.33	103.99	113.00
19	H	4008	BCR	C24-C23-C22	-3.33	121.31	126.23
16	B	1222	CLA	C3B-C4B-NB	-3.33	107.56	110.53
19	b	4017	BCR	C24-C23-C22	-3.33	121.31	126.23
16	b	1206	CLA	CMB-C2B-C1B	-3.33	120.35	125.42
16	Y	505	CLA	O2D-CGD-O1D	-3.33	117.37	123.85
16	A	1129	CLA	C3B-C4B-NB	-3.33	107.56	110.53
16	H	1013	CLA	C3B-C4B-NB	-3.33	107.56	110.53
16	G	1229	CLA	O2D-CGD-O1D	-3.32	117.38	123.85
16	H	1111	CLA	CHB-C4A-NA	3.32	129.19	124.40
16	b	1221	CLA	C3B-C4B-NB	-3.32	107.57	110.53
19	G	4017	BCR	C24-C23-C22	-3.32	121.33	126.23
16	A	1139	CLA	CAA-C2A-C3A	-3.31	104.04	113.00
16	H	1130	CLA	C3B-C4B-NB	-3.31	107.57	110.53
19	a	4008	BCR	C24-C23-C22	-3.31	121.33	126.23
16	a	1139	CLA	CAA-C2A-C3A	-3.31	104.05	113.00
16	n	517	CLA	O2D-CGD-O1D	-3.31	117.40	123.85
19	Y	603	BCR	C15-C16-C17	-3.31	116.74	123.52
16	B	1224	CLA	O2D-CGD-CBD	3.31	117.02	111.23
16	H	1139	CLA	CAA-C2A-C3A	-3.31	104.06	113.00
16	A	1111	CLA	CHB-C4A-NA	3.31	129.17	124.40
16	G	1222	CLA	C3B-C4B-NB	-3.30	107.58	110.53
16	G	1224	CLA	O2D-CGD-CBD	3.30	117.01	111.23
16	a	1111	CLA	CHB-C4A-NA	3.30	129.16	124.40
16	p	503	CLA	CAA-C2A-C3A	-3.30	104.09	113.00
16	o	517	CLA	O2D-CGD-CBD	3.30	117.00	111.23
16	b	1222	CLA	C3B-C4B-NB	-3.30	107.59	110.53
16	b	1224	CLA	O2D-CGD-CBD	3.29	116.99	111.23
16	B	1229	CLA	O2D-CGD-O1D	-3.29	117.44	123.85
16	A	1136	CLA	O2D-CGD-O1D	-3.29	117.44	123.85
16	a	1130	CLA	C3B-C4B-NB	-3.29	107.59	110.53
16	H	1129	CLA	C3B-C4B-NB	-3.29	107.59	110.53
16	G	1221	CLA	C3B-C4B-NB	-3.29	107.59	110.53
16	A	1130	CLA	C3B-C4B-NB	-3.29	107.59	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	g	512	CLA	CAA-C2A-C3A	-3.29	104.12	113.00
16	H	1136	CLA	O2D-CGD-O1D	-3.28	117.45	123.85
16	b	1229	CLA	O2D-CGD-O1D	-3.28	117.46	123.85
16	B	1201	CLA	CHB-C4A-NA	3.28	129.13	124.40
16	G	1201	CLA	CHB-C4A-NA	3.28	129.13	124.40
19	t	603	BCR	C27-C26-C25	3.27	127.13	122.70
16	G	1230	CLA	O2D-CGD-O1D	-3.27	117.48	123.85
19	L	4022	BCR	C39-C30-C25	3.27	115.37	110.24
16	A	1138	CLA	CHB-C4A-NA	3.27	129.12	124.40
16	b	1201	CLA	CHB-C4A-NA	3.27	129.12	124.40
16	b	1230	CLA	O2D-CGD-O1D	-3.27	117.49	123.85
19	U	4022	BCR	C39-C30-C25	3.27	115.37	110.24
16	h	502	CLA	C3B-C4B-NB	-3.26	107.62	110.53
16	B	1230	CLA	O2D-CGD-O1D	-3.26	117.51	123.85
16	a	1136	CLA	O2D-CGD-O1D	-3.25	117.52	123.85
16	B	1221	CLA	C3B-C4B-NB	-3.25	107.63	110.53
19	l	4022	BCR	C39-C30-C25	3.25	115.34	110.24
16	H	1138	CLA	CHB-C4A-NA	3.25	129.08	124.40
16	a	1138	CLA	CHB-C4A-NA	3.24	129.07	124.40
15	a	1011	CL0	CMA-C3A-C4A	-3.24	103.07	111.77
19	B	4009	BCR	C27-C26-C25	3.24	127.08	122.70
19	b	4009	BCR	C27-C26-C25	3.24	127.08	122.70
15	A	1011	CL0	CMA-C3A-C4A	-3.23	103.08	111.77
16	H	1116	CLA	C3B-C4B-NB	-3.23	107.64	110.53
16	A	1139	CLA	O2D-CGD-O1D	-3.23	117.56	123.85
19	h	602	BCR	C15-C16-C17	-3.23	116.91	123.52
16	a	1134	CLA	O2D-CGD-CBD	3.23	116.87	111.23
16	a	1116	CLA	C3B-C4B-NB	-3.23	107.65	110.53
16	a	1139	CLA	O2D-CGD-O1D	-3.22	117.57	123.85
16	H	1132	CLA	O2D-CGD-O1D	-3.22	117.58	123.85
19	s	603	BCR	C15-C16-C17	-3.22	116.93	123.52
19	L	4022	BCR	C28-C27-C26	-3.22	108.31	114.06
15	H	1011	CL0	CMA-C3A-C4A	-3.22	103.12	111.77
19	l	4022	BCR	C15-C16-C17	-3.22	116.93	123.52
16	H	1118	CLA	C3B-C4B-NB	-3.22	107.66	110.53
19	G	4009	BCR	C27-C26-C25	3.22	127.05	122.70
19	L	4022	BCR	C15-C16-C17	-3.22	116.94	123.52
16	H	1139	CLA	O2D-CGD-O1D	-3.22	117.59	123.85
19	p	603	BCR	C15-C16-C17	-3.22	116.94	123.52
16	H	1134	CLA	O2D-CGD-CBD	3.21	116.85	111.23
16	a	1105	CLA	O2D-CGD-O1D	-3.21	117.60	123.85
19	U	4022	BCR	C15-C16-C17	-3.21	116.95	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	A	1116	CLA	C3B-C4B-NB	-3.21	107.67	110.53
16	G	1218	CLA	O2D-CGD-O1D	-3.21	117.61	123.85
16	W	506	CLA	O2D-CGD-O1D	-3.21	117.61	123.85
16	a	1132	CLA	O2D-CGD-O1D	-3.21	117.61	123.85
16	y	506	CLA	O2D-CGD-O1D	-3.21	117.61	123.85
16	A	1134	CLA	O2D-CGD-CBD	3.21	116.83	111.23
16	a	1136	CLA	C3B-C4B-NB	-3.20	107.67	110.53
19	U	4022	BCR	C28-C27-C26	-3.20	108.35	114.06
16	B	1218	CLA	O2D-CGD-O1D	-3.20	117.62	123.85
19	l	4022	BCR	C28-C27-C26	-3.20	108.35	114.06
16	W	502	CLA	C3B-C4B-NB	-3.20	107.67	110.53
16	X	510	CLA	O2D-CGD-O1D	-3.20	117.62	123.85
16	A	1132	CLA	O2D-CGD-O1D	-3.20	117.63	123.85
16	t	515	CLA	C3B-C4B-NB	-3.20	107.68	110.53
16	v	512	CLA	CMB-C2B-C1B	-3.20	120.55	125.42
16	A	1118	CLA	C3B-C4B-NB	-3.19	107.68	110.53
16	Y	502	CLA	C3B-C4B-NB	-3.19	107.68	110.53
16	h	510	CLA	O2D-CGD-O1D	-3.19	117.64	123.85
19	W	603	BCR	C27-C26-C25	3.19	127.02	122.70
16	A	1136	CLA	C3B-C4B-NB	-3.19	107.68	110.53
17	G	2002	PQN	C11-C12-C13	-3.19	121.34	126.83
16	o	510	CLA	O2D-CGD-O1D	-3.19	117.64	123.85
19	S	4012	BCR	C15-C16-C17	-3.19	117.00	123.52
17	B	2002	PQN	C11-C12-C13	-3.19	121.34	126.83
19	j	4012	BCR	C15-C16-C17	-3.19	117.00	123.52
16	a	1118	CLA	C3B-C4B-NB	-3.18	107.69	110.53
17	b	2002	PQN	C11-C12-C13	-3.18	121.35	126.83
16	G	1229	CLA	C3B-C4B-NB	-3.18	107.69	110.53
19	S	4015	BCR	C15-C14-C13	-3.18	122.82	127.28
16	b	1218	CLA	O2D-CGD-O1D	-3.18	117.66	123.85
19	u	603	BCR	C27-C26-C25	3.18	127.00	122.70
16	a	1131	CLA	C3B-C4B-NB	-3.18	107.69	110.53
16	H	1139	CLA	C3B-C4B-NB	-3.17	107.70	110.53
16	A	1105	CLA	O2D-CGD-O1D	-3.17	117.67	123.85
19	J	4012	BCR	C15-C16-C17	-3.17	117.03	123.52
16	b	1231	CLA	CHB-C4A-NA	3.17	128.97	124.40
16	U	1502	CLA	C3B-C4B-NB	-3.17	107.70	110.53
16	a	1126	CLA	CHB-C4A-NA	3.17	128.97	124.40
16	b	1229	CLA	C3B-C4B-NB	-3.17	107.70	110.53
16	H	1105	CLA	O2D-CGD-O1D	-3.17	117.68	123.85
16	B	1229	CLA	C3B-C4B-NB	-3.17	107.70	110.53
16	H	1136	CLA	C3B-C4B-NB	-3.17	107.70	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	A	1139	CLA	C3B-C4B-NB	-3.17	107.70	110.53
16	v	502	CLA	C3B-C4B-NB	-3.16	107.70	110.53
16	H	1126	CLA	CHB-C4A-NA	3.16	128.96	124.40
16	H	1131	CLA	C3B-C4B-NB	-3.16	107.71	110.53
16	s	510	CLA	O2D-CGD-O1D	-3.16	117.70	123.85
16	b	1224	CLA	CHB-C4A-NA	3.16	128.96	124.40
16	X	502	CLA	CAA-C2A-C3A	-3.16	104.46	113.00
16	B	1231	CLA	CHB-C4A-NA	3.16	128.96	124.40
16	G	1231	CLA	CHB-C4A-NA	3.16	128.96	124.40
16	y	502	CLA	C3B-C4B-NB	-3.16	107.71	110.53
16	G	1227	CLA	CHB-C4A-NA	3.15	128.95	124.40
16	a	1111	CLA	C3B-C4B-NB	-3.15	107.72	110.53
16	A	1131	CLA	C3B-C4B-NB	-3.15	107.72	110.53
16	A	1101	CLA	O2D-CGD-O1D	-3.15	117.72	123.85
16	A	1126	CLA	CHB-C4A-NA	3.14	128.94	124.40
16	X	509	CLA	C3B-C4B-NB	-3.14	107.72	110.53
19	j	4015	BCR	C15-C14-C13	-3.14	122.87	127.28
16	H	1101	CLA	O2D-CGD-O1D	-3.14	117.74	123.85
16	A	1138	CLA	C3B-C4B-NB	-3.14	107.73	110.53
16	a	1101	CLA	O2D-CGD-O1D	-3.14	117.74	123.85
16	H	1106	CLA	CHB-C4A-NA	3.14	128.93	124.40
16	p	511	CLA	CMB-C2B-C1B	-3.14	120.64	125.42
16	H	1130	CLA	CMB-C2B-C1B	-3.14	120.64	125.42
16	B	1227	CLA	CHB-C4A-NA	3.14	128.93	124.40
19	X	603	BCR	C28-C27-C26	-3.14	108.47	114.06
16	X	501	CLA	O2D-CGD-O1D	-3.13	117.75	123.85
19	J	4015	BCR	C15-C14-C13	-3.13	122.88	127.28
16	v	501	CLA	O2D-CGD-O1D	-3.13	117.75	123.85
16	B	1224	CLA	CHB-C4A-NA	3.13	128.92	124.40
16	y	512	CLA	CMB-C2B-C1B	-3.13	120.65	125.42
19	o	603	BCR	C27-C26-C25	3.13	126.93	122.70
16	a	1106	CLA	CHB-C4A-NA	3.13	128.92	124.40
16	G	1224	CLA	CHB-C4A-NA	3.13	128.92	124.40
16	H	1111	CLA	C3B-C4B-NB	-3.13	107.74	110.53
16	H	1137	CLA	C3B-C4B-NB	-3.13	107.74	110.53
16	G	1226	CLA	O2D-CGD-O1D	-3.13	117.76	123.85
16	A	1113	CLA	CHB-C4A-NA	3.12	128.91	124.40
16	a	1113	CLA	CHB-C4A-NA	3.12	128.91	124.40
16	a	1102	CLA	C3B-C4B-NB	-3.12	107.74	110.53
16	U	1501	CLA	CHB-C4A-NA	3.12	128.91	124.40
16	o	501	CLA	O2D-CGD-O1D	-3.12	117.77	123.85
16	B	1220	CLA	O2D-CGD-O1D	-3.12	117.77	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	a	1138	CLA	C3B-C4B-NB	-3.12	107.74	110.53
16	u	512	CLA	O2D-CGD-O1D	-3.12	117.78	123.85
16	a	1139	CLA	C3B-C4B-NB	-3.12	107.75	110.53
16	y	511	CLA	CMB-C2B-C1B	-3.12	120.67	125.42
16	H	1113	CLA	O2D-CGD-O1D	-3.12	117.78	123.85
16	a	1116	CLA	O2D-CGD-O1D	-3.12	117.78	123.85
16	X	510	CLA	C3B-C4B-NB	-3.12	107.75	110.53
16	a	1137	CLA	C3B-C4B-NB	-3.12	107.75	110.53
16	a	1131	CLA	CHB-C4A-NA	3.11	128.89	124.40
16	H	1116	CLA	O2D-CGD-O1D	-3.11	117.79	123.85
16	H	1138	CLA	C3B-C4B-NB	-3.11	107.75	110.53
16	x	515	CLA	C3B-C4B-NB	-3.11	107.75	110.53
16	A	1102	CLA	CMB-C2B-C1B	-3.11	120.68	125.42
16	a	1120	CLA	CHB-C4A-NA	3.11	128.89	124.40
16	l	1502	CLA	C3B-C4B-NB	-3.11	107.75	110.53
16	r	508	CLA	O2D-CGD-O1D	-3.11	117.79	123.85
16	b	1227	CLA	CHB-C4A-NA	3.11	128.89	124.40
16	H	1013	CLA	CMB-C2B-C3B	3.11	133.86	126.55
16	a	1130	CLA	CMB-C2B-C1B	-3.11	120.69	125.42
19	v	602	BCR	C15-C16-C17	-3.11	117.16	123.52
16	s	502	CLA	C3B-C4B-NB	-3.11	107.76	110.53
16	A	1106	CLA	CHB-C4A-NA	3.11	128.88	124.40
16	o	508	CLA	CHB-C4A-NA	3.11	128.88	124.40
16	X	508	CLA	CHB-C4A-NA	3.10	128.88	124.40
16	A	1120	CLA	CHB-C4A-NA	3.10	128.88	124.40
16	l	1501	CLA	CHB-C4A-NA	3.10	128.88	124.40
16	L	1502	CLA	C3B-C4B-NB	-3.10	107.76	110.53
16	B	1211	CLA	CHB-C4A-NA	3.10	128.88	124.40
16	A	1111	CLA	C3B-C4B-NB	-3.10	107.76	110.53
16	a	1119	CLA	C3B-C4B-NB	-3.10	107.76	110.53
16	a	1113	CLA	O2D-CGD-O1D	-3.10	117.81	123.85
16	A	1130	CLA	CMB-C2B-C1B	-3.10	120.70	125.42
16	A	1113	CLA	O2D-CGD-O1D	-3.10	117.82	123.85
16	h	501	CLA	O2D-CGD-O1D	-3.10	117.82	123.85
16	A	1116	CLA	O2D-CGD-O1D	-3.10	117.82	123.85
16	G	1220	CLA	O2D-CGD-O1D	-3.10	117.82	123.85
16	B	1226	CLA	O2D-CGD-O1D	-3.10	117.82	123.85
16	n	510	CLA	O2D-CGD-O1D	-3.10	117.82	123.85
16	a	1102	CLA	CMB-C2B-C1B	-3.10	120.71	125.42
16	A	1131	CLA	CHB-C4A-NA	3.10	128.87	124.40
16	H	1113	CLA	CHB-C4A-NA	3.09	128.87	124.40
16	a	1013	CLA	CMB-C2B-C3B	3.09	133.82	126.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	G	1210	CLA	O2D-CGD-O1D	-3.09	117.83	123.85
16	o	512	CLA	O2D-CGD-O1D	-3.09	117.83	123.85
16	A	1013	CLA	CMB-C2B-C3B	3.09	133.82	126.55
16	X	512	CLA	O2D-CGD-O1D	-3.09	117.83	123.85
16	x	514	CLA	O2D-CGD-O1D	-3.09	117.83	123.85
16	o	509	CLA	CHB-C4A-NA	3.09	128.86	124.40
16	H	1120	CLA	CHB-C4A-NA	3.09	128.86	124.40
16	u	508	CLA	CHB-C4A-NA	3.09	128.86	124.40
16	w	505	CLA	CHB-C4A-NA	3.09	128.86	124.40
16	H	1102	CLA	CMB-C2B-C1B	-3.09	120.72	125.42
16	L	1501	CLA	CHB-C4A-NA	3.09	128.85	124.40
16	X	509	CLA	CHB-C4A-NA	3.09	128.85	124.40
16	u	510	CLA	O2D-CGD-O1D	-3.09	117.84	123.85
16	n	515	CLA	C3B-C4B-NB	-3.09	107.78	110.53
16	q	517	CLA	O2D-CGD-CBD	3.08	116.62	111.23
16	Z	511	CLA	CMB-C2B-C1B	-3.08	120.72	125.42
16	g	513	CLA	O2D-CGD-O1D	-3.08	117.85	123.85
19	y	603	BCR	C15-C14-C13	-3.08	122.95	127.28
16	Z	514	CLA	C3B-C4B-NB	-3.08	107.78	110.53
16	B	1012	CLA	CMD-C2D-C3D	3.08	134.76	127.69
16	B	1210	CLA	O2D-CGD-O1D	-3.08	117.85	123.85
16	s	512	CLA	CAA-C2A-C3A	-3.08	104.67	113.00
16	b	1220	CLA	O2D-CGD-O1D	-3.08	117.85	123.85
16	H	1131	CLA	CHB-C4A-NA	3.08	128.84	124.40
19	r	602	BCR	C31-C1-C6	3.08	115.07	110.24
16	b	1210	CLA	O2D-CGD-O1D	-3.08	117.86	123.85
16	Z	508	CLA	O2D-CGD-O1D	-3.08	117.86	123.85
16	b	1226	CLA	O2D-CGD-O1D	-3.08	117.86	123.85
16	h	512	CLA	CMB-C2B-C1B	-3.08	120.73	125.42
16	A	1140	CLA	C3B-C4B-NB	-3.08	107.78	110.53
16	B	1209	CLA	O2D-CGD-O1D	-3.08	117.86	123.85
16	u	517	CLA	CHB-C4A-NA	3.08	128.84	124.40
16	G	1012	CLA	CMD-C2D-C3D	3.08	134.74	127.69
16	n	502	CLA	C3B-C4B-NB	-3.07	107.78	110.53
16	G	1221	CLA	CHB-C4A-NA	3.07	128.84	124.40
16	X	517	CLA	CHB-C4A-NA	3.07	128.84	124.40
16	Y	508	CLA	CHB-C4A-NA	3.07	128.84	124.40
16	g	502	CLA	C3B-C4B-NB	-3.07	107.79	110.53
16	W	507	CLA	C3B-C4B-NB	-3.07	107.79	110.53
16	B	1215	CLA	O2D-CGD-O1D	-3.07	117.87	123.85
16	Z	503	CLA	C3B-C4B-NB	-3.07	107.79	110.53
19	g	603	BCR	C15-C16-C17	-3.07	117.24	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	b	1012	CLA	CMD-C2D-C3D	3.07	134.73	127.69
16	g	514	CLA	O2D-CGD-O1D	-3.07	117.88	123.85
16	G	1202	CLA	CHB-C4A-NA	3.07	128.83	124.40
16	v	504	CLA	O2D-CGD-O1D	-3.06	117.89	123.85
16	G	1209	CLA	O2D-CGD-O1D	-3.06	117.89	123.85
16	H	1119	CLA	C3B-C4B-NB	-3.06	107.80	110.53
16	G	1216	CLA	C3B-C4B-NB	-3.06	107.80	110.53
16	H	1140	CLA	C3B-C4B-NB	-3.06	107.80	110.53
16	Y	512	CLA	CAA-C2A-C3A	-3.06	104.73	113.00
16	H	1103	CLA	CHB-C4A-NA	3.06	128.81	124.40
16	b	1221	CLA	CHB-C4A-NA	3.06	128.81	124.40
16	G	1204	CLA	CHB-C4A-NA	3.06	128.81	124.40
16	G	1205	CLA	O2D-CGD-O1D	-3.06	117.90	123.85
16	Z	512	CLA	CAA-C2A-C3A	-3.06	104.74	113.00
16	G	1211	CLA	CHB-C4A-NA	3.06	128.81	124.40
16	H	1102	CLA	C3B-C4B-NB	-3.05	107.80	110.53
16	w	503	CLA	C3B-C4B-NB	-3.05	107.80	110.53
19	K	1501	BCR	C27-C26-C25	3.05	126.83	122.70
16	B	1221	CLA	CHB-C4A-NA	3.05	128.81	124.40
16	r	514	CLA	O2D-CGD-O1D	-3.05	117.91	123.85
16	A	1102	CLA	C3B-C4B-NB	-3.05	107.81	110.53
16	b	1216	CLA	C3B-C4B-NB	-3.05	107.81	110.53
16	b	1219	CLA	CHB-C4A-NA	3.05	128.81	124.40
16	A	1137	CLA	C3B-C4B-NB	-3.05	107.81	110.53
16	y	501	CLA	CAA-C2A-C3A	-3.05	104.75	113.00
16	G	1225	CLA	C3B-C4B-NB	-3.05	107.81	110.53
16	u	510	CLA	C3B-C4B-NB	-3.05	107.81	110.53
16	B	1202	CLA	CHB-C4A-NA	3.05	128.80	124.40
16	a	1131	CLA	O2D-CGD-O1D	-3.05	117.91	123.85
16	u	509	CLA	CHB-C4A-NA	3.05	128.80	124.40
16	A	1106	CLA	O2D-CGD-O1D	-3.05	117.91	123.85
16	a	1140	CLA	C3B-C4B-NB	-3.05	107.81	110.53
16	G	1236	CLA	C3B-C4B-NB	-3.05	107.81	110.53
16	b	1209	CLA	O2D-CGD-O1D	-3.05	117.92	123.85
16	n	504	CLA	CHB-C4A-NA	3.05	128.80	124.40
16	o	510	CLA	C3B-C4B-NB	-3.04	107.81	110.53
16	H	1131	CLA	O2D-CGD-O1D	-3.04	117.92	123.85
19	y	603	BCR	C28-C27-C26	-3.04	108.63	114.06
16	H	1101	CLA	CHB-C4A-NA	3.04	128.79	124.40
16	G	1227	CLA	O2D-CGD-O1D	-3.04	117.93	123.85
16	b	1202	CLA	CHB-C4A-NA	3.04	128.79	124.40
16	q	514	CLA	CHB-C4A-NA	3.04	128.79	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	H	1112	CLA	CHB-C4A-NA	3.04	128.79	124.40
16	a	1106	CLA	O2D-CGD-O1D	-3.04	117.93	123.85
16	G	1219	CLA	CHB-C4A-NA	3.04	128.79	124.40
16	H	1135	CLA	O2D-CGD-O1D	-3.04	117.93	123.85
16	H	1137	CLA	O2D-CGD-CBD	3.04	116.54	111.23
16	H	1106	CLA	O2D-CGD-O1D	-3.04	117.93	123.85
16	a	1137	CLA	O2D-CGD-CBD	3.04	116.54	111.23
16	p	508	CLA	CHB-C4A-NA	3.04	128.78	124.40
16	B	1205	CLA	O2D-CGD-O1D	-3.04	117.94	123.85
16	A	1112	CLA	CHB-C4A-NA	3.04	128.78	124.40
16	A	1135	CLA	O2D-CGD-O1D	-3.04	117.94	123.85
19	y	602	BCR	C15-C16-C17	-3.04	117.31	123.52
16	G	1215	CLA	O2D-CGD-O1D	-3.04	117.94	123.85
19	T	1501	BCR	C27-C26-C25	3.03	126.81	122.70
16	b	1211	CLA	CHB-C4A-NA	3.03	128.78	124.40
19	q	603	BCR	C15-C16-C17	-3.03	117.32	123.52
16	a	1119	CLA	CHB-C4A-NA	3.03	128.77	124.40
16	b	1204	CLA	CHB-C4A-NA	3.03	128.77	124.40
16	A	1111	CLA	CAA-C2A-C3A	-3.03	104.81	113.00
16	b	1201	CLA	O2D-CGD-O1D	-3.03	117.95	123.85
16	q	503	CLA	C3B-C4B-NB	-3.03	107.83	110.53
19	k	1501	BCR	C27-C26-C25	3.03	126.80	122.70
16	t	502	CLA	O2D-CGD-O1D	-3.03	117.95	123.85
16	B	1216	CLA	C3B-C4B-NB	-3.03	107.83	110.53
16	b	1215	CLA	O2D-CGD-O1D	-3.03	117.95	123.85
16	s	508	CLA	CHB-C4A-NA	3.03	128.77	124.40
16	w	517	CLA	O2D-CGD-CBD	3.03	116.52	111.23
16	A	1119	CLA	C3B-C4B-NB	-3.03	107.83	110.53
16	h	504	CLA	O2D-CGD-O1D	-3.02	117.96	123.85
19	p	604	BCR	C15-C16-C17	-3.02	117.33	123.52
16	u	502	CLA	C3B-C4B-NB	-3.02	107.83	110.53
16	a	1103	CLA	CHB-C4A-NA	3.02	128.76	124.40
16	o	509	CLA	O2D-CGD-O1D	-3.02	117.96	123.85
16	v	506	CLA	O2D-CGD-O1D	-3.02	117.97	123.85
16	A	1109	CLA	CAA-C2A-C3A	-3.02	104.83	113.00
16	b	1205	CLA	O2D-CGD-O1D	-3.02	117.97	123.85
16	A	1103	CLA	CHB-C4A-NA	3.02	128.76	124.40
16	b	1236	CLA	C3B-C4B-NB	-3.02	107.83	110.53
16	H	1109	CLA	CAA-C2A-C3A	-3.02	104.84	113.00
16	g	511	CLA	CHB-C4A-NA	3.02	128.76	124.40
16	a	1122	CLA	C3B-C4B-NB	-3.02	107.83	110.53
16	a	1109	CLA	CAA-C2A-C3A	-3.02	104.84	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	A	1131	CLA	O2D-CGD-O1D	-3.02	117.97	123.85
16	q	517	CLA	CHB-C4A-NA	3.02	128.75	124.40
16	B	1201	CLA	O2D-CGD-O1D	-3.02	117.98	123.85
16	B	1227	CLA	O2D-CGD-O1D	-3.02	117.98	123.85
16	a	1110	CLA	C3B-C4B-NB	-3.02	107.84	110.53
16	h	511	CLA	CMB-C2B-C1B	-3.02	120.83	125.42
16	a	1101	CLA	CHB-C4A-NA	3.02	128.75	124.40
16	a	1135	CLA	O2D-CGD-O1D	-3.02	117.98	123.85
16	b	1227	CLA	O2D-CGD-O1D	-3.02	117.98	123.85
16	B	1225	CLA	C3B-C4B-NB	-3.02	107.84	110.53
16	a	1111	CLA	CAA-C2A-C3A	-3.02	104.85	113.00
16	A	1119	CLA	CHB-C4A-NA	3.01	128.75	124.40
16	Z	511	CLA	CHB-C4A-NA	3.01	128.75	124.40
16	y	515	CLA	CHB-C4A-NA	3.01	128.75	124.40
16	A	1137	CLA	O2D-CGD-CBD	3.01	116.50	111.23
16	u	502	CLA	CAA-C2A-C3A	-3.01	104.85	113.00
16	a	1112	CLA	CHB-C4A-NA	3.01	128.75	124.40
19	Y	603	BCR	C28-C27-C26	-3.01	108.68	114.06
16	u	509	CLA	O2D-CGD-O1D	-3.01	117.98	123.85
16	X	510	CLA	CHB-C4A-NA	3.01	128.75	124.40
17	H	2001	PQN	C14-C13-C15	3.01	120.46	115.23
16	H	1111	CLA	CAA-C2A-C3A	-3.01	104.86	113.00
16	B	1204	CLA	CHB-C4A-NA	3.01	128.75	124.40
16	H	1122	CLA	C3B-C4B-NB	-3.01	107.84	110.53
16	u	509	CLA	C3B-C4B-NB	-3.01	107.84	110.53
16	H	1119	CLA	CHB-C4A-NA	3.01	128.74	124.40
16	L	1502	CLA	CHB-C4A-NA	3.01	128.74	124.40
16	g	506	CLA	O2D-CGD-O1D	-3.01	117.99	123.85
16	y	504	CLA	O2D-CGD-O1D	-3.01	117.99	123.85
16	B	1236	CLA	C3B-C4B-NB	-3.01	107.85	110.53
16	r	502	CLA	CHB-C4A-NA	3.01	128.74	124.40
16	G	1201	CLA	O2D-CGD-O1D	-3.01	118.00	123.85
16	o	502	CLA	C3B-C4B-NB	-3.01	107.85	110.53
16	l	1502	CLA	CHB-C4A-NA	3.01	128.74	124.40
16	B	1227	CLA	C3B-C4B-NB	-3.00	107.85	110.53
16	g	515	CLA	C3B-C4B-NB	-3.00	107.85	110.53
16	o	509	CLA	C3B-C4B-NB	-3.00	107.85	110.53
16	B	1219	CLA	CHB-C4A-NA	3.00	128.73	124.40
16	w	517	CLA	CHB-C4A-NA	3.00	128.73	124.40
16	v	517	CLA	O2D-CGD-O1D	-3.00	118.01	123.85
16	a	1126	CLA	O2D-CGD-O1D	-3.00	118.01	123.85
16	H	1121	CLA	O2D-CGD-O1D	-3.00	118.01	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	g	515	CLA	O2D-CGD-O1D	-3.00	118.01	123.85
16	p	502	CLA	C3B-C4B-NB	-3.00	107.85	110.53
16	B	1239	CLA	O2D-CGD-O1D	-3.00	118.01	123.85
16	n	502	CLA	O2D-CGD-O1D	-3.00	118.01	123.85
16	A	1101	CLA	CHB-C4A-NA	2.99	128.72	124.40
16	B	1205	CLA	C3B-C4B-NB	-2.99	107.86	110.53
19	s	603	BCR	C28-C27-C26	-2.99	108.72	114.06
16	q	505	CLA	CHB-C4A-NA	2.99	128.72	124.40
16	b	1225	CLA	C3B-C4B-NB	-2.99	107.86	110.53
16	w	508	CLA	CHB-C4A-NA	2.99	128.72	124.40
16	X	517	CLA	CMB-C2B-C1B	-2.99	120.86	125.42
16	G	1201	CLA	C3B-C4B-NB	-2.99	107.86	110.53
16	Z	513	CLA	O2D-CGD-O1D	-2.99	118.03	123.85
16	B	1201	CLA	C3B-C4B-NB	-2.99	107.86	110.53
19	Z	603	BCR	C15-C16-C17	-2.99	117.40	123.52
16	r	515	CLA	O2D-CGD-O1D	-2.99	118.03	123.85
16	a	1121	CLA	O2D-CGD-O1D	-2.99	118.03	123.85
19	u	602	BCR	C24-C23-C22	-2.99	121.81	126.23
19	A	4001	BCR	C15-C14-C13	-2.99	123.09	127.28
17	a	2001	PQN	C14-C13-C15	2.99	120.41	115.23
16	W	517	CLA	C3B-C4B-NB	-2.98	107.87	110.53
16	H	1402	CLA	CHB-C4A-NA	2.98	128.71	124.40
19	a	4001	BCR	C15-C14-C13	-2.98	123.09	127.28
16	h	503	CLA	O2D-CGD-O1D	-2.98	118.04	123.85
16	b	1203	CLA	CHB-C4A-NA	2.98	128.70	124.40
16	W	506	CLA	CHB-C4A-NA	2.98	128.70	124.40
16	A	1126	CLA	O2D-CGD-O1D	-2.98	118.05	123.85
19	w	603	BCR	C15-C16-C17	-2.98	117.42	123.52
16	A	1125	CLA	CMB-C2B-C1B	-2.98	120.88	125.42
17	A	2001	PQN	C14-C13-C15	2.98	120.40	115.23
16	u	510	CLA	CHB-C4A-NA	2.98	128.70	124.40
16	u	513	CLA	CHB-C4A-NA	2.98	128.70	124.40
16	B	1203	CLA	CHB-C4A-NA	2.98	128.70	124.40
19	H	4001	BCR	C15-C14-C13	-2.98	123.10	127.28
16	b	1220	CLA	CHB-C4A-NA	2.98	128.70	124.40
16	t	517	CLA	CHB-C4A-NA	2.98	128.70	124.40
16	A	1133	CLA	O2D-CGD-O1D	-2.97	118.06	123.85
16	y	503	CLA	O2D-CGD-O1D	-2.97	118.06	123.85
16	s	515	CLA	CHB-C4A-NA	2.97	128.69	124.40
16	b	1205	CLA	C3B-C4B-NB	-2.97	107.88	110.53
16	G	1232	CLA	C3B-C4B-NB	-2.97	107.88	110.53
16	y	517	CLA	O2D-CGD-O1D	-2.97	118.06	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	x	502	CLA	C3B-C4B-NB	-2.97	107.88	110.53
16	W	502	CLA	O2D-CGD-O1D	-2.97	118.06	123.85
16	a	1123	CLA	CHB-C4A-NA	2.97	128.69	124.40
16	v	503	CLA	O2D-CGD-O1D	-2.97	118.07	123.85
16	B	1220	CLA	CHB-C4A-NA	2.97	128.69	124.40
16	G	1227	CLA	C3B-C4B-NB	-2.97	107.88	110.53
16	U	1502	CLA	CHB-C4A-NA	2.97	128.69	124.40
16	s	512	CLA	O2D-CGD-O1D	-2.97	118.07	123.85
16	Q	1302	CLA	C1B-NB-C4B	2.97	108.39	106.31
16	t	508	CLA	CHB-C4A-NA	2.97	128.68	124.40
16	a	1118	CLA	CHB-C4A-NA	2.97	128.68	124.40
16	a	1402	CLA	CHB-C4A-NA	2.97	128.68	124.40
19	o	602	BCR	C24-C23-C22	-2.97	121.84	126.23
16	b	1201	CLA	C3B-C4B-NB	-2.97	107.88	110.53
16	B	1208	CLA	O2D-CGD-O1D	-2.97	118.07	123.85
16	G	1239	CLA	O2D-CGD-O1D	-2.97	118.07	123.85
16	A	1402	CLA	CHB-C4A-NA	2.97	128.68	124.40
16	b	1239	CLA	O2D-CGD-O1D	-2.97	118.08	123.85
16	B	1213	CLA	O2D-CGD-O1D	-2.97	118.08	123.85
16	x	510	CLA	C3B-C4B-NB	-2.97	107.88	110.53
16	a	1109	CLA	CHB-C4A-NA	2.96	128.68	124.40
16	A	1121	CLA	O2D-CGD-O1D	-2.96	118.08	123.85
16	A	1109	CLA	CHB-C4A-NA	2.96	128.68	124.40
16	A	1110	CLA	C3B-C4B-NB	-2.96	107.88	110.53
16	Z	508	CLA	CHB-C4A-NA	2.96	128.68	124.40
16	o	513	CLA	CHB-C4A-NA	2.96	128.68	124.40
16	b	1213	CLA	O2D-CGD-O1D	-2.96	118.08	123.85
16	q	508	CLA	CHB-C4A-NA	2.96	128.68	124.40
16	H	1105	CLA	CHB-C4A-NA	2.96	128.68	124.40
16	H	1123	CLA	CHB-C4A-NA	2.96	128.68	124.40
19	p	603	BCR	C28-C27-C26	-2.96	108.77	114.06
16	W	512	CLA	O2D-CGD-O1D	-2.96	118.08	123.85
16	a	1801	CLA	CHB-C4A-NA	2.96	128.68	124.40
16	q	514	CLA	C3B-C4B-NB	-2.96	107.89	110.53
16	b	1207	CLA	O2D-CGD-O1D	-2.96	118.08	123.85
16	n	517	CLA	CHB-C4A-NA	2.96	128.67	124.40
16	x	505	CLA	CHB-C4A-NA	2.96	128.67	124.40
16	q	510	CLA	CHB-C4A-NA	2.96	128.67	124.40
16	H	1109	CLA	CHB-C4A-NA	2.96	128.67	124.40
19	b	4006	BCR	C15-C16-C17	-2.96	117.46	123.52
19	n	603	BCR	C24-C23-C22	-2.96	121.86	126.23
16	B	1223	CLA	C3B-C4B-NB	-2.96	107.89	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	p	508	CLA	C3B-C4B-NB	-2.96	107.89	110.53
16	w	514	CLA	C3B-C4B-NB	-2.96	107.89	110.53
16	t	504	CLA	CHB-C4A-NA	2.96	128.67	124.40
16	X	509	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
16	X	514	CLA	C3B-C4B-NB	-2.96	107.89	110.53
16	G	1238	CLA	C3B-C4B-NB	-2.96	107.89	110.53
16	v	507	CLA	C3B-C4B-NB	-2.96	107.89	110.53
19	G	4006	BCR	C15-C16-C17	-2.96	117.47	123.52
16	H	1801	CLA	CHB-C4A-NA	2.96	128.67	124.40
16	h	512	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
16	g	514	CLA	C3B-C4B-NB	-2.96	107.89	110.53
16	y	516	CLA	C3B-C4B-NB	-2.96	107.89	110.53
16	H	1110	CLA	C3B-C4B-NB	-2.96	107.89	110.53
16	b	1208	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
16	h	517	CLA	O2D-CGD-O1D	-2.96	118.09	123.85
16	G	1220	CLA	CHB-C4A-NA	2.96	128.67	124.40
16	H	1122	CLA	CHB-C4A-NA	2.96	128.66	124.40
16	w	511	CLA	CHB-C4A-NA	2.96	128.66	124.40
16	S	1302	CLA	CHB-C4A-NA	2.96	128.66	124.40
16	A	1135	CLA	C3B-C4B-NB	-2.96	107.89	110.53
16	H	1125	CLA	CMB-C2B-C1B	-2.95	120.92	125.42
16	o	510	CLA	CHB-C4A-NA	2.95	128.66	124.40
16	A	1122	CLA	C3B-C4B-NB	-2.95	107.89	110.53
16	Z	514	CLA	CHB-C4A-NA	2.95	128.66	124.40
16	p	517	CLA	C3B-C4B-NB	-2.95	107.89	110.53
16	G	1217	CLA	C3B-C4B-NB	-2.95	107.89	110.53
16	H	1133	CLA	O2D-CGD-O1D	-2.95	118.10	123.85
16	b	1227	CLA	C3B-C4B-NB	-2.95	107.89	110.53
16	b	1232	CLA	C3B-C4B-NB	-2.95	107.89	110.53
16	f	1302	CLA	C1B-NB-C4B	2.95	108.38	106.31
16	u	505	CLA	CHB-C4A-NA	2.95	128.66	124.40
16	Z	510	CLA	O2D-CGD-O1D	-2.95	118.10	123.85
16	a	1133	CLA	O2D-CGD-O1D	-2.95	118.10	123.85
16	t	517	CLA	O2D-CGD-CBD	2.95	116.39	111.23
16	q	508	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
16	A	1237	CLA	CHB-C4A-NA	2.95	128.66	124.40
16	X	505	CLA	C3B-C4B-NB	-2.95	107.90	110.53
16	G	1208	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
16	W	509	CLA	C3B-C4B-NB	-2.95	107.90	110.53
16	w	502	CLA	C3B-C4B-NB	-2.95	107.90	110.53
16	G	1229	CLA	CHB-C4A-NA	2.95	128.65	124.40
16	B	1229	CLA	CHB-C4A-NA	2.95	128.65	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	H	1126	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
19	K	1501	BCR	C30-C25-C26	-2.95	118.61	122.64
19	T	1501	BCR	C30-C25-C26	-2.95	118.61	122.64
16	h	506	CLA	O2D-CGD-O1D	-2.95	118.11	123.85
16	G	1206	CLA	CAA-C2A-C3A	-2.95	105.04	113.00
16	A	1123	CLA	CHB-C4A-NA	2.94	128.65	124.40
16	W	508	CLA	CHB-C4A-NA	2.94	128.65	124.40
16	b	1213	CLA	CHB-C4A-NA	2.94	128.65	124.40
16	x	511	CLA	CHB-C4A-NA	2.94	128.65	124.40
16	j	1302	CLA	CHB-C4A-NA	2.94	128.65	124.40
16	f	1302	CLA	C3A-C4A-CHB	-2.94	120.31	123.91
16	G	1213	CLA	O2D-CGD-O1D	-2.94	118.12	123.85
16	a	1125	CLA	CMB-C2B-C1B	-2.94	120.94	125.42
16	w	512	CLA	CMB-C2B-C1B	-2.94	120.94	125.42
16	X	501	CLA	CHB-C4A-NA	2.94	128.65	124.40
16	F	1302	CLA	C3A-C4A-CHB	-2.94	120.31	123.91
16	B	1238	CLA	C3B-C4B-NB	-2.94	107.90	110.53
16	q	513	CLA	C3B-C4B-NB	-2.94	107.90	110.53
16	G	1203	CLA	CHB-C4A-NA	2.94	128.65	124.40
16	g	517	CLA	C3B-C4B-NB	-2.94	107.90	110.53
16	H	1115	CLA	C3B-C4B-NB	-2.94	107.90	110.53
16	j	1303	CLA	C3B-C4B-NB	-2.94	107.90	110.53
16	A	1118	CLA	CHB-C4A-NA	2.94	128.65	124.40
16	o	505	CLA	CHB-C4A-NA	2.94	128.65	124.40
16	A	1105	CLA	CHB-C4A-NA	2.94	128.64	124.40
16	p	514	CLA	CHB-C4A-NA	2.94	128.64	124.40
16	b	1206	CLA	CAA-C2A-C3A	-2.94	105.06	113.00
16	n	506	CLA	O2D-CGD-O1D	-2.94	118.13	123.85
16	a	1135	CLA	C3B-C4B-NB	-2.94	107.91	110.53
16	o	517	CLA	C3B-C4B-NB	-2.94	107.91	110.53
16	G	1234	CLA	O2D-CGD-O1D	-2.94	118.13	123.85
16	n	515	CLA	CHB-C4A-NA	2.94	128.64	124.40
16	H	1118	CLA	CHB-C4A-NA	2.94	128.64	124.40
16	s	501	CLA	C3B-C4B-NB	-2.94	107.91	110.53
16	B	1206	CLA	CAA-C2A-C3A	-2.94	105.06	113.00
16	A	1114	CLA	CHB-C4A-NA	2.94	128.64	124.40
16	a	1105	CLA	CHB-C4A-NA	2.94	128.64	124.40
16	b	1232	CLA	CHB-C4A-NA	2.94	128.64	124.40
16	u	505	CLA	O2D-CGD-O1D	-2.94	118.13	123.85
16	A	1801	CLA	CHB-C4A-NA	2.94	128.64	124.40
16	v	506	CLA	CHB-C4A-NA	2.94	128.64	124.40
16	B	1217	CLA	C3B-C4B-NB	-2.93	107.91	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	A	1104	CLA	O2D-CGD-O1D	-2.93	118.14	123.85
16	Z	513	CLA	C3B-C4B-NB	-2.93	107.91	110.53
16	G	1230	CLA	O2D-CGD-CBD	2.93	116.36	111.23
16	b	1207	CLA	C3B-C4B-NB	-2.93	107.91	110.53
16	r	511	CLA	CHB-C4A-NA	2.93	128.63	124.40
16	o	505	CLA	C3B-C4B-NB	-2.93	107.91	110.53
16	G	1205	CLA	C3B-C4B-NB	-2.93	107.91	110.53
14	b	848	LMG	O6-C1-O1	-2.93	103.12	110.04
16	A	1132	CLA	CHB-C4A-NA	2.93	128.63	124.40
16	H	1109	CLA	O2D-CGD-O1D	-2.93	118.14	123.85
16	Q	1302	CLA	C3A-C4A-CHB	-2.93	120.32	123.91
16	H	1117	CLA	O2D-CGD-CBD	2.93	116.35	111.23
16	g	505	CLA	CHB-C4A-NA	2.93	128.63	124.40
16	q	511	CLA	CHB-C4A-NA	2.93	128.63	124.40
16	n	508	CLA	CHB-C4A-NA	2.93	128.63	124.40
16	w	513	CLA	CHB-C4A-NA	2.93	128.63	124.40
16	W	515	CLA	CHB-C4A-NA	2.93	128.63	124.40
16	Z	517	CLA	O2D-CGD-CBD	2.93	116.35	111.23
16	A	1119	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
16	p	517	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
16	G	1207	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
16	A	1120	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
16	G	1224	CLA	C3B-C4B-NB	-2.93	107.92	110.53
16	A	1117	CLA	O2D-CGD-CBD	2.93	116.35	111.23
16	G	1213	CLA	CHB-C4A-NA	2.93	128.62	124.40
16	Y	512	CLA	O2D-CGD-O1D	-2.93	118.15	123.85
16	s	513	CLA	CHB-C4A-NA	2.93	128.62	124.40
16	q	507	CLA	C3B-C4B-NB	-2.92	107.92	110.53
16	h	507	CLA	C3B-C4B-NB	-2.92	107.92	110.53
16	G	1207	CLA	C3B-C4B-NB	-2.92	107.92	110.53
16	G	1208	CLA	C3B-C4B-NB	-2.92	107.92	110.53
16	a	1133	CLA	CHB-C4A-NA	2.92	128.62	124.40
19	B	4006	BCR	C15-C16-C17	-2.92	117.53	123.52
16	w	513	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
16	b	1201	CLA	CMB-C2B-C1B	-2.92	120.97	125.42
16	s	508	CLA	C3B-C4B-NB	-2.92	107.92	110.53
16	q	513	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
16	B	1232	CLA	CHB-C4A-NA	2.92	128.62	124.40
16	Z	510	CLA	CHB-C4A-NA	2.92	128.62	124.40
16	t	517	CLA	C3B-C4B-NB	-2.92	107.92	110.53
16	X	513	CLA	CHB-C4A-NA	2.92	128.62	124.40
16	w	503	CLA	O2D-CGD-O1D	-2.92	118.16	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	x	513	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
16	b	1202	CLA	CMB-C2B-C3B	2.92	133.42	126.55
16	Y	514	CLA	CHB-C4A-NA	2.92	128.62	124.40
16	y	512	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
16	a	1104	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
16	B	1232	CLA	C3B-C4B-NB	-2.92	107.92	110.53
16	W	515	CLA	C3B-C4B-NB	-2.92	107.92	110.53
16	b	1217	CLA	C3B-C4B-NB	-2.92	107.92	110.53
16	F	1302	CLA	C1B-NB-C4B	2.92	108.36	106.31
16	t	506	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
16	s	517	CLA	O2D-CGD-O1D	-2.92	118.16	123.85
16	B	1213	CLA	CHB-C4A-NA	2.92	128.61	124.40
16	r	505	CLA	CHB-C4A-NA	2.92	128.61	124.40
16	h	507	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
16	q	505	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
16	H	1120	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
16	Y	508	CLA	C3B-C4B-NB	-2.92	107.92	110.53
16	b	1238	CLA	C3B-C4B-NB	-2.92	107.92	110.53
16	H	1135	CLA	C3B-C4B-NB	-2.92	107.92	110.53
16	w	514	CLA	CHB-C4A-NA	2.92	128.61	124.40
16	a	1117	CLA	O2D-CGD-CBD	2.92	116.33	111.23
16	r	506	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
16	Y	503	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
16	b	1229	CLA	CHB-C4A-NA	2.92	128.61	124.40
16	G	1238	CLA	CHB-C4A-NA	2.92	128.61	124.40
19	r	603	BCR	C15-C16-C17	-2.92	117.55	123.52
16	H	1104	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
16	B	1202	CLA	CMB-C2B-C3B	2.92	133.41	126.55
16	A	1122	CLA	CAA-C2A-C3A	-2.92	105.12	113.00
16	a	1119	CLA	O2D-CGD-O1D	-2.92	118.17	123.85
16	a	1114	CLA	CHB-C4A-NA	2.92	128.61	124.40
16	G	1213	CLA	C3B-C4B-NB	-2.91	107.93	110.53
16	H	1122	CLA	CAA-C2A-C3A	-2.91	105.12	113.00
16	a	1132	CLA	CHB-C4A-NA	2.91	128.61	124.40
16	A	1133	CLA	CHB-C4A-NA	2.91	128.60	124.40
16	A	1134	CLA	CHB-C4A-NA	2.91	128.60	124.40
16	H	1237	CLA	CHB-C4A-NA	2.91	128.60	124.40
16	w	515	CLA	CHB-C4A-NA	2.91	128.60	124.40
16	y	505	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
16	A	1104	CLA	C3B-C4B-NB	-2.91	107.93	110.53
16	a	1122	CLA	CAA-C2A-C3A	-2.91	105.13	113.00
16	y	508	CLA	CHB-C4A-NA	2.91	128.60	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
19	j	4012	BCR	C3-C4-C5	-2.91	108.86	114.06
16	t	512	CLA	O2D-CGD-O1D	-2.91	118.18	123.85
19	J	4012	BCR	C3-C4-C5	-2.91	108.86	114.06
15	a	1011	CL0	O2D-CGD-O1D	-2.91	118.18	123.85
16	J	1303	CLA	C3B-C4B-NB	-2.91	107.93	110.53
16	g	503	CLA	C3B-C4B-NB	-2.91	107.93	110.53
16	G	1209	CLA	C3B-C4B-NB	-2.91	107.93	110.53
16	s	517	CLA	C3B-C4B-NB	-2.91	107.93	110.53
16	n	502	CLA	CHB-C4A-NA	2.91	128.60	124.40
16	H	1110	CLA	CHB-C4A-NA	2.91	128.60	124.40
16	G	1232	CLA	CHB-C4A-NA	2.91	128.60	124.40
16	G	1201	CLA	CMB-C2B-C1B	-2.91	120.99	125.42
15	A	1011	CL0	O2D-CGD-O1D	-2.91	118.18	123.85
16	t	516	CLA	CHB-C4A-NA	2.91	128.60	124.40
16	W	517	CLA	O2D-CGD-CBD	2.91	116.32	111.23
16	a	1104	CLA	C3B-C4B-NB	-2.91	107.93	110.53
16	S	1303	CLA	C3B-C4B-NB	-2.91	107.93	110.53
16	b	1234	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
16	H	1114	CLA	CHB-C4A-NA	2.91	128.60	124.40
16	q	515	CLA	CHB-C4A-NA	2.91	128.60	124.40
19	I	4018	BCR	C15-C16-C17	-2.91	117.57	123.52
16	a	1237	CLA	CHB-C4A-NA	2.91	128.59	124.40
16	W	515	CLA	O2D-CGD-O1D	-2.91	118.19	123.85
19	W	601	BCR	C24-C23-C22	-2.91	121.94	126.23
16	y	511	CLA	C3B-C4B-NB	-2.91	107.94	110.53
16	G	1223	CLA	C3B-C4B-NB	-2.91	107.94	110.53
16	B	1201	CLA	CMB-C2B-C1B	-2.91	121.00	125.42
16	B	1210	CLA	C1-C2-C3	-2.91	121.44	126.20
16	H	1119	CLA	O2D-CGD-O1D	-2.90	118.19	123.85
16	b	1224	CLA	C3B-C4B-NB	-2.90	107.94	110.53
16	n	517	CLA	C3B-C4B-NB	-2.90	107.94	110.53
16	q	512	CLA	CMB-C2B-C1B	-2.90	121.00	125.42
16	W	517	CLA	CHB-C4A-NA	2.90	128.59	124.40
16	s	517	CLA	CHB-C4A-NA	2.90	128.59	124.40
14	B	848	LMG	O6-C1-O1	-2.90	103.18	110.04
16	A	1115	CLA	C3B-C4B-NB	-2.90	107.94	110.53
16	r	510	CLA	C3B-C4B-NB	-2.90	107.94	110.53
16	G	1202	CLA	CMB-C2B-C3B	2.90	133.38	126.55
16	b	1239	CLA	CHB-C4A-NA	2.90	128.59	124.40
16	G	1228	CLA	CHB-C4A-NA	2.90	128.59	124.40
16	B	1230	CLA	O2D-CGD-CBD	2.90	116.31	111.23
16	B	1234	CLA	O2D-CGD-O1D	-2.90	118.20	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	h	504	CLA	CHB-C4A-NA	2.90	128.59	124.40
16	h	515	CLA	CHB-C4A-NA	2.90	128.59	124.40
14	G	848	LMG	O6-C1-O1	-2.90	103.19	110.04
16	b	1230	CLA	O2D-CGD-CBD	2.90	116.30	111.23
16	A	1122	CLA	CHB-C4A-NA	2.90	128.59	124.40
16	o	517	CLA	CHB-C4A-NA	2.90	128.59	124.40
16	b	1213	CLA	C3B-C4B-NB	-2.90	107.94	110.53
16	Y	515	CLA	CHB-C4A-NA	2.90	128.59	124.40
16	a	1116	CLA	CHB-C4A-NA	2.90	128.59	124.40
16	B	1207	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
15	H	1011	CL0	O2D-CGD-O1D	-2.90	118.20	123.85
16	h	506	CLA	CHB-C4A-NA	2.90	128.59	124.40
16	o	501	CLA	CHB-C4A-NA	2.90	128.58	124.40
16	W	510	CLA	C3B-C4B-NB	-2.90	107.94	110.53
16	b	1212	CLA	O2D-CGD-O1D	-2.90	118.20	123.85
16	x	503	CLA	C3B-C4B-NB	-2.90	107.94	110.53
16	t	509	CLA	CHB-C4A-NA	2.90	128.58	124.40
16	q	503	CLA	O2D-CGD-O1D	-2.90	118.21	123.85
16	B	1224	CLA	C3B-C4B-NB	-2.90	107.94	110.53
16	p	515	CLA	C3B-C4B-NB	-2.90	107.94	110.53
19	X	602	BCR	C24-C23-C22	-2.90	121.95	126.23
16	A	1108	CLA	CHB-C4A-NA	2.90	128.58	124.40
16	B	1239	CLA	CHB-C4A-NA	2.90	128.58	124.40
16	a	1115	CLA	CHB-C4A-NA	2.90	128.58	124.40
16	r	515	CLA	CHB-C4A-NA	2.90	128.58	124.40
16	H	1132	CLA	CHB-C4A-NA	2.90	128.58	124.40
16	H	1113	CLA	CMB-C2B-C1B	-2.90	121.01	125.42
19	S	4012	BCR	C3-C4-C5	-2.90	108.89	114.06
16	b	1209	CLA	CHB-C4A-NA	2.90	128.58	124.40
16	H	1134	CLA	CHB-C4A-NA	2.89	128.58	124.40
16	G	1209	CLA	CHB-C4A-NA	2.89	128.58	124.40
16	p	512	CLA	O2D-CGD-O1D	-2.89	118.21	123.85
16	A	1113	CLA	CMB-C2B-C1B	-2.89	121.01	125.42
16	w	508	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
16	o	511	CLA	CMB-C2B-C3B	2.89	133.36	126.55
19	g	601	BCR	C24-C23-C22	-2.89	121.95	126.23
19	A	4008	BCR	C28-C27-C26	-2.89	108.90	114.06
16	B	1209	CLA	CHB-C4A-NA	2.89	128.57	124.40
16	a	1137	CLA	CHB-C4A-NA	2.89	128.57	124.40
16	g	513	CLA	C3B-C4B-NB	-2.89	107.95	110.53
16	G	1218	CLA	CHB-C4A-NA	2.89	128.57	124.40
19	X	601	BCR	C3-C4-C5	-2.89	108.90	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	J	1302	CLA	CHB-C4A-NA	2.89	128.57	124.40
16	X	507	CLA	CHB-C4A-NA	2.89	128.57	124.40
16	b	1228	CLA	CHB-C4A-NA	2.89	128.57	124.40
16	H	1115	CLA	CHB-C4A-NA	2.89	128.57	124.40
16	v	504	CLA	CHB-C4A-NA	2.89	128.57	124.40
16	y	517	CLA	C3B-C4B-NB	-2.89	107.95	110.53
16	h	516	CLA	C3B-C4B-NB	-2.89	107.95	110.53
16	u	514	CLA	C3B-C4B-NB	-2.89	107.95	110.53
19	k	1501	BCR	C30-C25-C26	-2.89	118.69	122.64
19	s	601	BCR	C24-C23-C22	-2.89	121.96	126.23
16	Z	516	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
16	w	514	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
16	A	1137	CLA	CHB-C4A-NA	2.89	128.57	124.40
16	p	517	CLA	CHB-C4A-NA	2.89	128.57	124.40
16	r	517	CLA	CHB-C4A-NA	2.89	128.57	124.40
16	u	501	CLA	CHB-C4A-NA	2.89	128.57	124.40
16	X	515	CLA	CHB-C4A-NA	2.89	128.57	124.40
16	n	506	CLA	CHB-C4A-NA	2.89	128.57	124.40
16	X	507	CLA	C3B-C4B-NB	-2.89	107.95	110.53
16	b	1223	CLA	C3B-C4B-NB	-2.89	107.95	110.53
16	v	513	CLA	C3B-C4B-NB	-2.89	107.95	110.53
16	B	1236	CLA	O2D-CGD-O1D	-2.89	118.22	123.85
16	B	1218	CLA	CHB-C4A-NA	2.89	128.57	124.40
16	b	1218	CLA	CHB-C4A-NA	2.89	128.57	124.40
16	v	514	CLA	CHB-C4A-NA	2.89	128.57	124.40
16	Y	516	CLA	CHB-C4A-NA	2.89	128.57	124.40
16	a	1109	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
16	H	1140	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
16	B	1238	CLA	CHB-C4A-NA	2.89	128.57	124.40
16	Z	503	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
16	y	501	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
16	n	503	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
19	J	4013	BCR	C24-C23-C22	-2.89	121.96	126.23
16	B	1207	CLA	C3B-C4B-NB	-2.89	107.95	110.53
16	n	508	CLA	C3B-C4B-NB	-2.89	107.95	110.53
19	x	604	BCR	C3-C4-C5	-2.89	108.91	114.06
16	r	513	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
16	v	508	CLA	O2D-CGD-O1D	-2.89	118.23	123.85
16	a	1134	CLA	CHB-C4A-NA	2.89	128.57	124.40
16	H	1104	CLA	CHB-C4A-NA	2.89	128.57	124.40
16	H	1133	CLA	CHB-C4A-NA	2.89	128.57	124.40
16	Z	517	CLA	CHB-C4A-NA	2.89	128.56	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	a	1122	CLA	CHB-C4A-NA	2.89	128.56	124.40
16	G	1235	CLA	CHB-C4A-NA	2.89	128.56	124.40
16	b	1209	CLA	C3B-C4B-NB	-2.89	107.95	110.53
16	v	508	CLA	CHB-C4A-NA	2.89	128.56	124.40
16	B	1234	CLA	CHB-C4A-NA	2.88	128.56	124.40
16	b	1238	CLA	CHB-C4A-NA	2.88	128.56	124.40
16	B	1208	CLA	C3B-C4B-NB	-2.88	107.96	110.53
13	A	851	LHG	O8-C23-C24	2.88	119.90	111.15
13	H	851	LHG	O8-C23-C24	2.88	119.90	111.15
16	A	1109	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
16	H	1114	CLA	C3B-C4B-NB	-2.88	107.96	110.53
16	G	1204	CLA	C3B-C4B-NB	-2.88	107.96	110.53
16	s	515	CLA	C3B-C4B-NB	-2.88	107.96	110.53
16	A	1104	CLA	CHB-C4A-NA	2.88	128.56	124.40
16	G	1239	CLA	CHB-C4A-NA	2.88	128.56	124.40
16	t	515	CLA	CHB-C4A-NA	2.88	128.56	124.40
16	v	512	CLA	CAA-C2A-C3A	-2.88	105.21	113.00
16	G	1219	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
19	Z	604	BCR	C15-C16-C17	-2.88	117.62	123.52
16	A	1106	CLA	C3B-C4B-NB	-2.88	107.96	110.53
16	B	1212	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
16	q	514	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
16	A	1140	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
16	a	1104	CLA	CHB-C4A-NA	2.88	128.56	124.40
16	v	510	CLA	CHB-C4A-NA	2.88	128.56	124.40
16	a	1140	CLA	O2D-CGD-O1D	-2.88	118.24	123.85
16	a	1127	CLA	CMB-C2B-C1B	-2.88	121.03	125.42
16	h	510	CLA	CHB-C4A-NA	2.88	128.56	124.40
16	b	1210	CLA	C1-C2-C3	-2.88	121.48	126.20
16	y	508	CLA	C3B-C4B-NB	-2.88	107.96	110.53
16	u	505	CLA	C3B-C4B-NB	-2.88	107.96	110.53
19	g	604	BCR	C15-C16-C17	-2.88	117.63	123.52
19	R	4018	BCR	C15-C16-C17	-2.88	117.63	123.52
16	q	513	CLA	CHB-C4A-NA	2.88	128.55	124.40
16	s	514	CLA	CHB-C4A-NA	2.88	128.55	124.40
19	i	4018	BCR	C15-C16-C17	-2.88	117.63	123.52
16	b	1204	CLA	C3B-C4B-NB	-2.88	107.96	110.53
16	H	1137	CLA	CHB-C4A-NA	2.88	128.55	124.40
16	v	516	CLA	C3B-C4B-NB	-2.88	107.96	110.53
16	v	512	CLA	O2D-CGD-O1D	-2.88	118.25	123.85
16	t	512	CLA	CAA-C2A-C3A	-2.88	105.23	113.00
16	A	1140	CLA	CHB-C4A-NA	2.88	128.55	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	Y	505	CLA	CHB-C4A-NA	2.88	128.55	124.40
16	q	517	CLA	C3B-C4B-NB	-2.88	107.96	110.53
19	j	4013	BCR	C24-C23-C22	-2.88	121.98	126.23
16	G	1236	CLA	O2D-CGD-O1D	-2.87	118.25	123.85
16	G	1234	CLA	CHB-C4A-NA	2.87	128.55	124.40
19	G	4010	BCR	C24-C23-C22	-2.87	121.98	126.23
16	r	502	CLA	C3B-C4B-NB	-2.87	107.96	110.53
16	h	508	CLA	C3B-C4B-NB	-2.87	107.96	110.53
16	H	1104	CLA	C3B-C4B-NB	-2.87	107.96	110.53
16	p	512	CLA	CAA-C2A-C3A	-2.87	105.23	113.00
16	Y	507	CLA	CHB-C4A-NA	2.87	128.55	124.40
16	a	1108	CLA	CHB-C4A-NA	2.87	128.55	124.40
16	n	509	CLA	CHB-C4A-NA	2.87	128.55	124.40
16	r	506	CLA	CHB-C4A-NA	2.87	128.55	124.40
16	x	508	CLA	CHB-C4A-NA	2.87	128.55	124.40
19	u	601	BCR	C3-C4-C5	-2.87	108.93	114.06
16	B	1204	CLA	C3B-C4B-NB	-2.87	107.97	110.53
16	B	1213	CLA	C3B-C4B-NB	-2.87	107.97	110.53
16	W	508	CLA	C3B-C4B-NB	-2.87	107.97	110.53
16	v	508	CLA	C3B-C4B-NB	-2.87	107.97	110.53
16	v	515	CLA	CHB-C4A-NA	2.87	128.55	124.40
13	a	851	LHG	O8-C23-C24	2.87	119.87	111.15
16	n	516	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
16	q	510	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
16	n	509	CLA	C3B-C4B-NB	-2.87	107.97	110.53
16	q	501	CLA	C3B-C4B-NB	-2.87	107.97	110.53
19	o	601	BCR	C3-C4-C5	-2.87	108.93	114.06
16	p	504	CLA	CHB-C4A-NA	2.87	128.54	124.40
16	v	510	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
16	Z	517	CLA	CMB-C2B-C3B	2.87	133.30	126.55
16	Y	505	CLA	C3B-C4B-NB	-2.87	107.97	110.53
16	h	509	CLA	C3B-C4B-NB	-2.87	107.97	110.53
16	a	1120	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
16	H	1022	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
16	Z	509	CLA	CHB-C4A-NA	2.87	128.54	124.40
16	H	1108	CLA	CHB-C4A-NA	2.87	128.54	124.40
16	H	1135	CLA	CHB-C4A-NA	2.87	128.54	124.40
16	X	513	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
16	a	1402	CLA	C3B-C4B-NB	-2.87	107.97	110.53
16	o	514	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
16	A	1115	CLA	CHB-C4A-NA	2.87	128.54	124.40
16	p	516	CLA	CHB-C4A-NA	2.87	128.54	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	a	1113	CLA	CMB-C2B-C1B	-2.87	121.05	125.42
16	o	507	CLA	C3B-C4B-NB	-2.87	107.97	110.53
16	b	1236	CLA	O2D-CGD-O1D	-2.87	118.26	123.85
16	t	506	CLA	CHB-C4A-NA	2.87	128.54	124.40
16	Z	513	CLA	CHB-C4A-NA	2.87	128.54	124.40
16	A	1134	CLA	C3B-C4B-NB	-2.87	107.97	110.53
16	a	1114	CLA	C3B-C4B-NB	-2.87	107.97	110.53
16	b	1207	CLA	CHB-C4A-NA	2.87	128.54	124.40
16	g	510	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
16	G	1212	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
16	A	1112	CLA	CMB-C2B-C3B	2.87	133.29	126.55
16	q	515	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
16	Y	513	CLA	CHB-C4A-NA	2.87	128.54	124.40
16	b	1012	CLA	O2D-CGD-O1D	-2.87	118.27	123.85
16	v	509	CLA	C3B-C4B-NB	-2.87	107.97	110.53
19	H	4008	BCR	C28-C27-C26	-2.87	108.95	114.06
19	h	604	BCR	C15-C16-C17	-2.86	117.66	123.52
16	a	1140	CLA	CHB-C4A-NA	2.86	128.53	124.40
16	H	1022	CLA	CHB-C4A-NA	2.86	128.53	124.40
16	y	508	CLA	O2D-CGD-O1D	-2.86	118.27	123.85
16	B	1209	CLA	C3B-C4B-NB	-2.86	107.97	110.53
16	b	1218	CLA	C3B-C4B-NB	-2.86	107.97	110.53
16	u	517	CLA	C3B-C4B-NB	-2.86	107.97	110.53
16	g	517	CLA	CHB-C4A-NA	2.86	128.53	124.40
16	n	512	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
16	t	507	CLA	C3B-C4B-NB	-2.86	107.97	110.53
16	v	517	CLA	C3B-C4B-NB	-2.86	107.97	110.53
16	t	503	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
16	y	506	CLA	CHB-C4A-NA	2.86	128.53	124.40
16	q	501	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
16	B	1012	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
16	w	515	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
16	a	1125	CLA	CHB-C4A-NA	2.86	128.53	124.40
16	a	1115	CLA	C3B-C4B-NB	-2.86	107.98	110.53
16	p	509	CLA	C3B-C4B-NB	-2.86	107.98	110.53
16	H	1133	CLA	C3B-C4B-NB	-2.86	107.98	110.53
16	U	1501	CLA	C3B-C4B-NB	-2.86	107.98	110.53
16	u	511	CLA	CMB-C2B-C3B	2.86	133.28	126.55
16	b	1221	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
16	y	507	CLA	C3B-C4B-NB	-2.86	107.98	110.53
16	n	507	CLA	C3B-C4B-NB	-2.86	107.98	110.53
16	r	503	CLA	C3B-C4B-NB	-2.86	107.98	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	B	1235	CLA	CHB-C4A-NA	2.86	128.53	124.40
16	p	515	CLA	CHB-C4A-NA	2.86	128.53	124.40
16	H	1140	CLA	CHB-C4A-NA	2.86	128.53	124.40
16	t	502	CLA	CHB-C4A-NA	2.86	128.53	124.40
16	Z	506	CLA	CHB-C4A-NA	2.86	128.53	124.40
16	H	1125	CLA	CHB-C4A-NA	2.86	128.53	124.40
16	G	1210	CLA	C1-C2-C3	-2.86	121.51	126.20
16	X	506	CLA	O2D-CGD-O1D	-2.86	118.28	123.85
16	a	1110	CLA	CHB-C4A-NA	2.86	128.53	124.40
16	a	1112	CLA	CMB-C2B-C3B	2.86	133.27	126.55
16	H	1112	CLA	CMB-C2B-C3B	2.86	133.27	126.55
19	S	4013	BCR	C24-C23-C22	-2.86	122.01	126.23
16	a	1106	CLA	C3B-C4B-NB	-2.86	107.98	110.53
16	u	507	CLA	C3B-C4B-NB	-2.86	107.98	110.53
16	o	505	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
19	j	4012	BCR	C7-C8-C9	-2.86	122.01	126.23
19	a	4003	BCR	C27-C26-C25	2.86	126.56	122.70
20	L	4101	LMT	O5'-C5'-C4'	2.86	115.63	109.72
19	a	4008	BCR	C28-C27-C26	-2.86	108.96	114.06
16	B	1219	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
16	x	510	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
16	h	515	CLA	C3B-C4B-NB	-2.86	107.98	110.53
16	y	507	CLA	O2D-CGD-O1D	-2.86	118.29	123.85
16	B	1217	CLA	CHB-C4A-NA	2.86	128.52	124.40
19	s	604	BCR	C15-C16-C17	-2.86	117.68	123.52
16	Y	511	CLA	CHB-C4A-NA	2.86	128.52	124.40
16	r	508	CLA	CHB-C4A-NA	2.86	128.52	124.40
16	r	513	CLA	CHB-C4A-NA	2.86	128.52	124.40
16	h	513	CLA	CHB-C4A-NA	2.86	128.52	124.40
16	u	507	CLA	CHB-C4A-NA	2.86	128.52	124.40
16	s	504	CLA	CHB-C4A-NA	2.86	128.52	124.40
16	X	505	CLA	CHB-C4A-NA	2.85	128.52	124.40
16	x	517	CLA	C3B-C4B-NB	-2.85	107.98	110.53
16	A	1116	CLA	CHB-C4A-NA	2.85	128.52	124.40
16	Z	512	CLA	O2D-CGD-O1D	-2.85	118.29	123.85
16	y	509	CLA	O2D-CGD-O1D	-2.85	118.29	123.85
16	K	1401	CLA	C3B-C4B-NB	-2.85	107.98	110.53
16	g	507	CLA	CHB-C4A-NA	2.85	128.52	124.40
16	q	516	CLA	C3B-C4B-NB	-2.85	107.98	110.53
16	X	511	CLA	CMB-C2B-C3B	2.85	133.25	126.55
16	B	1228	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
19	x	601	BCR	C24-C23-C22	-2.85	122.02	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	p	501	CLA	C3B-C4B-NB	-2.85	107.99	110.53
16	W	503	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
16	A	1127	CLA	CMB-C2B-C1B	-2.85	121.08	125.42
19	p	601	BCR	C24-C23-C22	-2.85	122.02	126.23
16	a	1801	CLA	O2D-CGD-O1D	-2.85	118.30	123.85
16	Z	504	CLA	C3B-C4B-NB	-2.85	107.99	110.53
16	n	501	CLA	C3B-C4B-NB	-2.85	107.99	110.53
16	w	507	CLA	C3B-C4B-NB	-2.85	107.99	110.53
16	T	1401	CLA	C3B-C4B-NB	-2.85	107.99	110.53
16	A	1125	CLA	CHB-C4A-NA	2.85	128.51	124.40
16	Z	505	CLA	CHB-C4A-NA	2.85	128.51	124.40
16	t	510	CLA	CHB-C4A-NA	2.85	128.51	124.40
16	H	1127	CLA	CMB-C2B-C1B	-2.85	121.08	125.42
16	A	1110	CLA	CHB-C4A-NA	2.85	128.51	124.40
16	s	507	CLA	CHB-C4A-NA	2.85	128.51	124.40
16	W	513	CLA	CHB-C4A-NA	2.85	128.51	124.40
16	y	514	CLA	CHB-C4A-NA	2.85	128.51	124.40
16	b	1217	CLA	CHB-C4A-NA	2.85	128.51	124.40
16	a	1133	CLA	C3B-C4B-NB	-2.85	107.99	110.53
16	x	514	CLA	C3B-C4B-NB	-2.85	107.99	110.53
16	Z	514	CLA	O2D-CGD-O1D	-2.85	118.31	123.85
16	a	1022	CLA	CHB-C4A-NA	2.85	128.51	124.40
16	G	1012	CLA	O2D-CGD-O1D	-2.85	118.31	123.85
16	h	517	CLA	C3B-C4B-NB	-2.85	107.99	110.53
16	s	507	CLA	C3B-C4B-NB	-2.85	107.99	110.53
16	h	509	CLA	CHB-C4A-NA	2.85	128.51	124.40
16	H	1116	CLA	CHB-C4A-NA	2.85	128.51	124.40
19	b	4010	BCR	C24-C23-C22	-2.84	122.03	126.23
16	y	510	CLA	CHB-C4A-NA	2.84	128.50	124.40
16	t	501	CLA	C3B-C4B-NB	-2.84	107.99	110.53
16	B	1228	CLA	CHB-C4A-NA	2.84	128.50	124.40
19	y	601	BCR	C15-C16-C17	-2.84	117.70	123.52
19	H	4007	BCR	C24-C23-C22	-2.84	122.03	126.23
16	h	513	CLA	C3B-C4B-NB	-2.84	107.99	110.53
16	s	513	CLA	C3B-C4B-NB	-2.84	107.99	110.53
16	A	1801	CLA	O2D-CGD-O1D	-2.84	118.31	123.85
16	r	507	CLA	CHB-C4A-NA	2.84	128.50	124.40
16	v	515	CLA	O2D-CGD-O1D	-2.84	118.31	123.85
16	Z	515	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
16	b	1228	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
16	B	1207	CLA	CHB-C4A-NA	2.84	128.50	124.40
16	g	501	CLA	CHB-C4A-NA	2.84	128.50	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	g	515	CLA	CHB-C4A-NA	2.84	128.50	124.40
16	y	504	CLA	CHB-C4A-NA	2.84	128.50	124.40
16	y	513	CLA	CHB-C4A-NA	2.84	128.50	124.40
16	n	513	CLA	CHB-C4A-NA	2.84	128.50	124.40
16	x	517	CLA	CHB-C4A-NA	2.84	128.50	124.40
20	l	4101	LMT	O5'-C5'-C4'	2.84	115.60	109.72
16	A	1022	CLA	CHB-C4A-NA	2.84	128.50	124.40
16	y	501	CLA	CHB-C4A-NA	2.84	128.50	124.40
16	b	1223	CLA	CHB-C4A-NA	2.84	128.50	124.40
16	a	1134	CLA	C3B-C4B-NB	-2.84	107.99	110.53
16	b	1231	CLA	C3B-C4B-NB	-2.84	107.99	110.53
16	h	501	CLA	C3B-C4B-NB	-2.84	107.99	110.53
16	h	501	CLA	CAA-C2A-C3A	-2.84	105.32	113.00
16	g	516	CLA	CMB-C2B-C1B	-2.84	121.09	125.42
16	B	1212	CLA	CHB-C4A-NA	2.84	128.50	124.40
16	u	515	CLA	CHB-C4A-NA	2.84	128.50	124.40
16	o	502	CLA	CAA-C2A-C3A	-2.84	105.33	113.00
16	v	501	CLA	C3B-C4B-NB	-2.84	108.00	110.53
20	U	4101	LMT	O5'-C5'-C4'	2.84	115.59	109.72
16	b	1234	CLA	CHB-C4A-NA	2.84	128.50	124.40
16	p	503	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
16	q	507	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
16	q	512	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
16	v	507	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
16	p	508	CLA	O2D-CGD-O1D	-2.84	118.32	123.85
16	b	1212	CLA	CHB-C4A-NA	2.84	128.50	124.40
16	u	503	CLA	CHB-C4A-NA	2.84	128.50	124.40
16	A	1402	CLA	C3B-C4B-NB	-2.84	108.00	110.53
16	p	514	CLA	C3B-C4B-NB	-2.84	108.00	110.53
16	s	509	CLA	C3B-C4B-NB	-2.84	108.00	110.53
16	o	507	CLA	CHB-C4A-NA	2.84	128.50	124.40
16	x	501	CLA	CHB-C4A-NA	2.84	128.50	124.40
16	Z	505	CLA	O2D-CGD-O1D	-2.84	118.33	123.85
16	s	508	CLA	O2D-CGD-O1D	-2.84	118.33	123.85
19	A	4003	BCR	C27-C26-C25	2.84	126.54	122.70
19	H	4003	BCR	C27-C26-C25	2.84	126.54	122.70
16	b	1219	CLA	O2D-CGD-O1D	-2.84	118.33	123.85
16	W	504	CLA	CHB-C4A-NA	2.84	128.49	124.40
16	Z	507	CLA	CHB-C4A-NA	2.84	128.49	124.40
16	u	506	CLA	O2D-CGD-O1D	-2.84	118.33	123.85
16	s	511	CLA	CHB-C4A-NA	2.84	128.49	124.40
16	H	1237	CLA	O2D-CGD-O1D	-2.84	118.33	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	x	508	CLA	O2D-CGD-O1D	-2.84	118.33	123.85
16	A	1129	CLA	O2D-CGD-O1D	-2.84	118.33	123.85
16	y	515	CLA	O2D-CGD-O1D	-2.84	118.33	123.85
16	r	516	CLA	O2D-CGD-O1D	-2.84	118.33	123.85
16	W	512	CLA	CHB-C4A-NA	2.83	128.49	124.40
16	v	513	CLA	CHB-C4A-NA	2.83	128.49	124.40
16	X	505	CLA	O2D-CGD-O1D	-2.83	118.33	123.85
16	g	504	CLA	C3B-C4B-NB	-2.83	108.00	110.53
16	u	503	CLA	C3B-C4B-NB	-2.83	108.00	110.53
16	w	501	CLA	C3B-C4B-NB	-2.83	108.00	110.53
16	b	1240	CLA	CHB-C4A-NA	2.83	128.49	124.40
19	B	4010	BCR	C24-C23-C22	-2.83	122.05	126.23
16	n	512	CLA	CAA-C2A-C3A	-2.83	105.35	113.00
16	B	1225	CLA	CHB-C4A-NA	2.83	128.49	124.40
15	H	1011	CL0	C3B-C4B-NB	-2.83	108.00	110.53
16	W	501	CLA	C3B-C4B-NB	-2.83	108.00	110.53
16	b	1208	CLA	C3B-C4B-NB	-2.83	108.00	110.53
16	k	1401	CLA	C3B-C4B-NB	-2.83	108.00	110.53
16	w	505	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
16	q	506	CLA	CHB-C4A-NA	2.83	128.49	124.40
16	h	501	CLA	CHB-C4A-NA	2.83	128.49	124.40
16	a	1022	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
19	G	4009	BCR	C30-C25-C26	-2.83	118.77	122.64
16	G	1212	CLA	CHB-C4A-NA	2.83	128.49	124.40
16	w	507	CLA	CHB-C4A-NA	2.83	128.49	124.40
16	w	509	CLA	CHB-C4A-NA	2.83	128.49	124.40
16	a	1128	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
16	W	516	CLA	CHB-C4A-NA	2.83	128.48	124.40
19	b	4009	BCR	C30-C25-C26	-2.83	118.77	122.64
16	G	1221	CLA	O2D-CGD-O1D	-2.83	118.34	123.85
16	g	508	CLA	C3B-C4B-NB	-2.83	108.00	110.53
16	p	513	CLA	C3B-C4B-NB	-2.83	108.00	110.53
16	G	1231	CLA	C3B-C4B-NB	-2.83	108.00	110.53
16	Y	517	CLA	CHB-C4A-NA	2.83	128.48	124.40
19	h	603	BCR	C28-C27-C26	-2.83	109.01	114.06
16	o	514	CLA	C3B-C4B-NB	-2.83	108.00	110.53
13	A	849	LHG	O8-C23-C24	2.83	120.46	111.83
16	w	515	CLA	C3B-C4B-NB	-2.83	108.01	110.53
16	x	509	CLA	C3B-C4B-NB	-2.83	108.01	110.53
16	s	516	CLA	CHB-C4A-NA	2.83	128.48	124.40
19	B	4009	BCR	C30-C25-C26	-2.83	118.77	122.64
16	B	1216	CLA	CHB-C4A-NA	2.83	128.48	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	B	1223	CLA	CHB-C4A-NA	2.83	128.48	124.40
16	W	501	CLA	CHB-C4A-NA	2.83	128.48	124.40
16	o	515	CLA	CHB-C4A-NA	2.83	128.48	124.40
16	A	1133	CLA	C3B-C4B-NB	-2.83	108.01	110.53
16	b	1235	CLA	CHB-C4A-NA	2.83	128.48	124.40
16	H	1801	CLA	O2D-CGD-O1D	-2.83	118.35	123.85
16	y	505	CLA	C3B-C4B-NB	-2.83	108.01	110.53
16	y	511	CLA	O2D-CGD-O1D	-2.83	118.35	123.85
16	r	504	CLA	O2D-CGD-O1D	-2.83	118.35	123.85
16	u	502	CLA	O2D-CGD-O1D	-2.83	118.35	123.85
16	Z	501	CLA	CHB-C4A-NA	2.83	128.48	124.40
16	p	513	CLA	CHB-C4A-NA	2.83	128.48	124.40
16	h	508	CLA	CHB-C4A-NA	2.83	128.48	124.40
13	H	849	LHG	O8-C23-C24	2.82	120.45	111.83
19	Y	604	BCR	C15-C16-C17	-2.82	117.74	123.52
16	q	507	CLA	CHB-C4A-NA	2.82	128.47	124.40
16	o	506	CLA	O2D-CGD-O1D	-2.82	118.35	123.85
16	Z	515	CLA	CHB-C4A-NA	2.82	128.47	124.40
16	l	1501	CLA	C3B-C4B-NB	-2.82	108.01	110.53
16	H	1106	CLA	C3B-C4B-NB	-2.82	108.01	110.53
16	g	511	CLA	O2D-CGD-O1D	-2.82	118.35	123.85
16	W	503	CLA	CHB-C4A-NA	2.82	128.47	124.40
16	Y	504	CLA	CHB-C4A-NA	2.82	128.47	124.40
16	x	513	CLA	CHB-C4A-NA	2.82	128.47	124.40
13	a	849	LHG	O8-C23-C24	2.82	120.44	111.83
19	J	4012	BCR	C7-C8-C9	-2.82	122.06	126.23
19	a	4007	BCR	C24-C23-C22	-2.82	122.06	126.23
16	A	1022	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
16	Y	511	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
16	G	1240	CLA	CHB-C4A-NA	2.82	128.47	124.40
16	B	1221	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
16	u	504	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
16	s	512	CLA	CMB-C2B-C1B	-2.82	121.12	125.42
16	j	1303	CLA	CHB-C4A-NA	2.82	128.47	124.40
16	Y	513	CLA	C3B-C4B-NB	-2.82	108.01	110.53
16	y	509	CLA	C3B-C4B-NB	-2.82	108.01	110.53
16	r	507	CLA	C3B-C4B-NB	-2.82	108.01	110.53
16	A	1135	CLA	CHB-C4A-NA	2.82	128.47	124.40
16	r	501	CLA	CHB-C4A-NA	2.82	128.47	124.40
19	G	4009	BCR	C40-C30-C25	2.82	114.67	110.24
16	B	1228	CLA	C3B-C4B-NB	-2.82	108.01	110.53
16	g	502	CLA	CHB-C4A-NA	2.82	128.47	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	v	501	CLA	CHB-C4A-NA	2.82	128.47	124.40
16	a	1118	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
19	B	4009	BCR	C40-C30-C25	2.82	114.66	110.24
16	o	502	CLA	CHB-C4A-NA	2.82	128.47	124.40
16	n	513	CLA	C3B-C4B-NB	-2.82	108.01	110.53
16	v	511	CLA	CMB-C2B-C1B	-2.82	121.13	125.42
16	y	516	CLA	O2D-CGD-O1D	-2.82	118.36	123.85
16	o	503	CLA	CHB-C4A-NA	2.82	128.47	124.40
19	S	4012	BCR	C7-C8-C9	-2.82	122.07	126.23
16	a	1135	CLA	CHB-C4A-NA	2.82	128.47	124.40
16	x	507	CLA	CHB-C4A-NA	2.82	128.47	124.40
16	G	1228	CLA	O2D-CGD-O1D	-2.82	118.37	123.85
16	g	501	CLA	C3B-C4B-NB	-2.82	108.02	110.53
16	g	509	CLA	C3B-C4B-NB	-2.82	108.02	110.53
19	y	601	BCR	C15-C14-C13	-2.82	123.33	127.28
19	q	603	BCR	C28-C27-C26	-2.82	109.03	114.06
16	S	1303	CLA	CHB-C4A-NA	2.82	128.46	124.40
16	g	503	CLA	CHB-C4A-NA	2.81	128.46	124.40
16	G	1230	CLA	CHB-C4A-NA	2.81	128.46	124.40
16	A	1237	CLA	O2D-CGD-O1D	-2.81	118.37	123.85
16	H	1102	CLA	O2D-CGD-O1D	-2.81	118.37	123.85
16	g	513	CLA	CHB-C4A-NA	2.81	128.46	124.40
16	n	514	CLA	CHB-C4A-NA	2.81	128.46	124.40
16	G	1207	CLA	CHB-C4A-NA	2.81	128.46	124.40
16	o	511	CLA	O2D-CGD-O1D	-2.81	118.37	123.85
16	G	1217	CLA	CHB-C4A-NA	2.81	128.46	124.40
16	G	1223	CLA	CHB-C4A-NA	2.81	128.46	124.40
16	L	1501	CLA	C3B-C4B-NB	-2.81	108.02	110.53
16	s	514	CLA	C3B-C4B-NB	-2.81	108.02	110.53
16	t	507	CLA	O2D-CGD-O1D	-2.81	118.37	123.85
16	W	509	CLA	CHB-C4A-NA	2.81	128.46	124.40
16	w	511	CLA	O2D-CGD-O1D	-2.81	118.37	123.85
16	A	1114	CLA	C3B-C4B-NB	-2.81	108.02	110.53
16	a	1117	CLA	CHB-C4A-NA	2.81	128.46	124.40
16	n	512	CLA	CHB-C4A-NA	2.81	128.46	124.40
16	x	503	CLA	CHB-C4A-NA	2.81	128.46	124.40
19	H	4008	BCR	C15-C16-C17	-2.81	117.77	123.52
19	b	4009	BCR	C40-C30-C25	2.81	114.65	110.24
19	Y	603	BCR	C15-C14-C13	-2.81	123.34	127.28
16	G	1204	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
16	q	515	CLA	C3B-C4B-NB	-2.81	108.02	110.53
16	H	1134	CLA	C3B-C4B-NB	-2.81	108.02	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	G	1220	CLA	C3B-C4B-NB	-2.81	108.02	110.53
16	w	517	CLA	C3B-C4B-NB	-2.81	108.02	110.53
16	B	1230	CLA	CHB-C4A-NA	2.81	128.46	124.40
16	g	512	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
16	g	508	CLA	CHB-C4A-NA	2.81	128.46	124.40
16	A	1102	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
16	W	507	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
16	n	510	CLA	CHB-C4A-NA	2.81	128.45	124.40
16	t	512	CLA	CHB-C4A-NA	2.81	128.45	124.40
16	W	509	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
16	v	515	CLA	C3B-C4B-NB	-2.81	108.02	110.53
19	m	4021	BCR	C15-C16-C17	-2.81	117.77	123.52
16	y	514	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
16	x	516	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
16	X	515	CLA	C3B-C4B-NB	-2.81	108.02	110.53
16	A	1128	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
16	b	1204	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
16	h	508	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
16	H	1128	CLA	O2D-CGD-O1D	-2.81	118.38	123.85
16	G	1225	CLA	CHB-C4A-NA	2.81	128.45	124.40
16	y	501	CLA	C3B-C4B-NB	-2.81	108.03	110.53
16	b	1228	CLA	C3B-C4B-NB	-2.81	108.03	110.53
16	o	513	CLA	C3B-C4B-NB	-2.81	108.03	110.53
16	x	513	CLA	C3B-C4B-NB	-2.81	108.03	110.53
16	t	503	CLA	CMB-C2B-C1B	-2.81	121.15	125.42
19	a	4008	BCR	C15-C16-C17	-2.81	117.78	123.52
19	Z	603	BCR	C11-C10-C9	-2.81	123.34	127.28
16	b	1225	CLA	CHB-C4A-NA	2.80	128.45	124.40
16	r	503	CLA	CHB-C4A-NA	2.80	128.45	124.40
19	u	602	BCR	C15-C16-C17	-2.80	117.78	123.52
19	M	4021	BCR	C15-C16-C17	-2.80	117.78	123.52
16	q	503	CLA	CHB-C4A-NA	2.80	128.45	124.40
16	s	509	CLA	CHB-C4A-NA	2.80	128.45	124.40
16	w	503	CLA	CHB-C4A-NA	2.80	128.45	124.40
16	Y	509	CLA	CHB-C4A-NA	2.80	128.45	124.40
16	t	511	CLA	O2D-CGD-O1D	-2.80	118.39	123.85
16	Y	517	CLA	CMB-C2B-C1B	-2.80	121.15	125.42
16	n	503	CLA	CHB-C4A-NA	2.80	128.44	124.40
16	o	514	CLA	CHB-C4A-NA	2.80	128.44	124.40
16	v	509	CLA	CHB-C4A-NA	2.80	128.44	124.40
16	Z	501	CLA	C3B-C4B-NB	-2.80	108.03	110.53
16	t	509	CLA	C3B-C4B-NB	-2.80	108.03	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	x	501	CLA	C3B-C4B-NB	-2.80	108.03	110.53
16	t	503	CLA	CHB-C4A-NA	2.80	128.44	124.40
16	o	513	CLA	O2D-CGD-O1D	-2.80	118.39	123.85
16	t	513	CLA	CHB-C4A-NA	2.80	128.44	124.40
16	Y	517	CLA	O2D-CGD-O1D	-2.80	118.39	123.85
16	b	1215	CLA	CHB-C4A-NA	2.80	128.44	124.40
16	h	510	CLA	C3B-C4B-NB	-2.80	108.03	110.53
16	x	504	CLA	C3B-C4B-NB	-2.80	108.03	110.53
19	A	4007	BCR	C24-C23-C22	-2.80	122.09	126.23
16	X	511	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
16	a	1237	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
16	j	1302	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
16	A	1117	CLA	CHB-C4A-NA	2.80	128.44	124.40
16	Y	501	CLA	CHB-C4A-NA	2.80	128.44	124.40
16	r	510	CLA	CHB-C4A-NA	2.80	128.44	124.40
16	B	1231	CLA	C3B-C4B-NB	-2.80	108.03	110.53
16	r	501	CLA	C3B-C4B-NB	-2.80	108.03	110.53
16	y	512	CLA	CAA-C2A-C3A	-2.80	105.44	113.00
16	B	1240	CLA	CHB-C4A-NA	2.80	128.44	124.40
16	Y	510	CLA	CHB-C4A-NA	2.80	128.44	124.40
16	h	516	CLA	CHB-C4A-NA	2.80	128.44	124.40
19	Y	602	BCR	C24-C23-C22	-2.80	122.09	126.23
16	G	1210	CLA	CMB-C2B-C1B	-2.80	121.16	125.42
16	L	1502	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
16	h	509	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
16	H	1129	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
16	G	1235	CLA	O2D-CGD-CBD	2.80	116.12	111.23
16	p	507	CLA	CHB-C4A-NA	2.80	128.44	124.40
16	u	504	CLA	CHB-C4A-NA	2.80	128.44	124.40
16	X	503	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
16	X	514	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
16	h	511	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
16	W	504	CLA	C3B-C4B-NB	-2.80	108.03	110.53
16	p	509	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
16	u	503	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
16	x	506	CLA	O2D-CGD-O1D	-2.80	118.40	123.85
16	h	507	CLA	CHB-C4A-NA	2.80	128.44	124.40
16	u	506	CLA	CHB-C4A-NA	2.80	128.44	124.40
16	v	517	CLA	CHB-C4A-NA	2.80	128.44	124.40
15	a	1011	CL0	C3B-C4B-NB	-2.80	108.03	110.53
16	W	513	CLA	C3B-C4B-NB	-2.80	108.03	110.53
16	J	1303	CLA	CHB-C4A-NA	2.80	128.44	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	X	514	CLA	CHB-C4A-NA	2.80	128.44	124.40
16	t	511	CLA	CHB-C4A-NA	2.80	128.44	124.40
19	V	4021	BCR	C15-C16-C17	-2.80	117.80	123.52
16	l	1502	CLA	O2D-CGD-O1D	-2.80	118.41	123.85
16	X	511	CLA	CHB-C4A-NA	2.80	128.43	124.40
19	A	4008	BCR	C15-C16-C17	-2.80	117.80	123.52
16	S	1302	CLA	O2D-CGD-O1D	-2.79	118.41	123.85
16	q	502	CLA	O2D-CGD-O1D	-2.79	118.41	123.85
16	U	1502	CLA	O2D-CGD-O1D	-2.79	118.41	123.85
16	t	514	CLA	O2D-CGD-O1D	-2.79	118.41	123.85
16	n	511	CLA	CHB-C4A-NA	2.79	128.43	124.40
16	G	1216	CLA	CHB-C4A-NA	2.79	128.43	124.40
16	Z	507	CLA	O2D-CGD-O1D	-2.79	118.41	123.85
16	G	1240	CLA	C3B-C4B-NB	-2.79	108.04	110.53
16	u	508	CLA	O2D-CGD-CBD	2.79	116.11	111.23
16	y	509	CLA	CHB-C4A-NA	2.79	128.43	124.40
16	G	1215	CLA	CHB-C4A-NA	2.79	128.43	124.40
16	B	1204	CLA	O2D-CGD-O1D	-2.79	118.41	123.85
16	J	1302	CLA	O2D-CGD-O1D	-2.79	118.41	123.85
16	n	501	CLA	O2D-CGD-O1D	-2.79	118.41	123.85
16	b	1226	CLA	CAA-C2A-C3A	-2.79	105.46	113.00
16	A	1118	CLA	O2D-CGD-O1D	-2.79	118.42	123.85
16	W	512	CLA	CAA-C2A-C3A	-2.79	105.46	113.00
16	a	1129	CLA	O2D-CGD-O1D	-2.79	118.42	123.85
16	x	509	CLA	O2D-CGD-O1D	-2.79	118.42	123.85
16	b	1240	CLA	C3B-C4B-NB	-2.79	108.04	110.53
16	t	505	CLA	C3B-C4B-NB	-2.79	108.04	110.53
19	g	603	BCR	C27-C26-C25	2.79	126.47	122.70
16	p	502	CLA	CHB-C4A-NA	2.79	128.43	124.40
16	h	505	CLA	CHB-C4A-NA	2.79	128.43	124.40
19	v	603	BCR	C15-C14-C13	-2.79	123.37	127.28
16	B	1235	CLA	O2D-CGD-CBD	2.79	116.11	111.23
16	B	1210	CLA	CMB-C2B-C1B	-2.79	121.17	125.42
16	W	510	CLA	CHB-C4A-NA	2.79	128.42	124.40
16	w	510	CLA	CHB-C4A-NA	2.79	128.42	124.40
16	S	1302	CLA	C3B-C4B-NB	-2.79	108.04	110.53
16	W	511	CLA	O2D-CGD-O1D	-2.79	118.42	123.85
16	p	507	CLA	C3B-C4B-NB	-2.79	108.04	110.53
16	G	1226	CLA	CAA-C2A-C3A	-2.79	105.47	113.00
16	o	508	CLA	O2D-CGD-CBD	2.79	116.10	111.23
16	b	1230	CLA	CHB-C4A-NA	2.79	128.42	124.40
16	t	505	CLA	CHB-C4A-NA	2.79	128.42	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	H	1109	CLA	C3B-C4B-NB	-2.79	108.04	110.53
16	h	511	CLA	CHB-C4A-NA	2.79	128.42	124.40
16	w	506	CLA	CHB-C4A-NA	2.79	128.42	124.40
16	W	513	CLA	O2D-CGD-O1D	-2.79	118.43	123.85
16	H	1118	CLA	O2D-CGD-O1D	-2.79	118.43	123.85
16	y	515	CLA	C3B-C4B-NB	-2.78	108.04	110.53
16	Z	511	CLA	CAA-C2A-C3A	-2.78	105.47	113.00
16	p	512	CLA	CMB-C2B-C1B	-2.78	121.18	125.42
16	r	510	CLA	O2D-CGD-O1D	-2.78	118.43	123.85
16	u	511	CLA	O2D-CGD-O1D	-2.78	118.43	123.85
16	w	507	CLA	O2D-CGD-O1D	-2.78	118.43	123.85
16	B	1215	CLA	CHB-C4A-NA	2.78	128.42	124.40
16	n	517	CLA	O2D-CGD-CBD	2.78	116.10	111.23
16	t	509	CLA	O2D-CGD-O1D	-2.78	118.43	123.85
16	p	503	CLA	C3B-C4B-NB	-2.78	108.05	110.53
16	B	1240	CLA	O2D-CGD-O1D	-2.78	118.43	123.85
16	n	505	CLA	CHB-C4A-NA	2.78	128.42	124.40
16	o	504	CLA	CHB-C4A-NA	2.78	128.42	124.40
16	G	1208	CLA	CHB-C4A-NA	2.78	128.42	124.40
16	v	502	CLA	CHB-C4A-NA	2.78	128.42	124.40
16	F	1301	CLA	CMB-C2B-C3B	2.78	133.09	126.55
16	h	505	CLA	O2D-CGD-O1D	-2.78	118.43	123.85
16	v	502	CLA	O2D-CGD-O1D	-2.78	118.43	123.85
16	Z	502	CLA	O2D-CGD-O1D	-2.78	118.43	123.85
16	t	508	CLA	C3B-C4B-NB	-2.78	108.05	110.53
16	u	508	CLA	C3B-C4B-NB	-2.78	108.05	110.53
16	w	512	CLA	O2D-CGD-O1D	-2.78	118.43	123.85
16	y	505	CLA	CHB-C4A-NA	2.78	128.41	124.40
16	w	501	CLA	CHB-C4A-NA	2.78	128.41	124.40
16	t	516	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
16	v	511	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
16	n	501	CLA	CHB-C4A-NA	2.78	128.41	124.40
13	i	103	LHG	O8-C23-C24	2.78	120.31	111.83
16	n	511	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
16	o	503	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
16	W	505	CLA	CHB-C4A-NA	2.78	128.41	124.40
19	o	602	BCR	C15-C16-C17	-2.78	117.83	123.52
16	h	516	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
16	x	512	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
16	o	511	CLA	CHB-C4A-NA	2.78	128.41	124.40
16	J	1302	CLA	C3B-C4B-NB	-2.78	108.05	110.53
16	w	513	CLA	C3B-C4B-NB	-2.78	108.05	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	y	511	CLA	CHB-C4A-NA	2.78	128.41	124.40
16	u	502	CLA	CHB-C4A-NA	2.78	128.41	124.40
16	s	503	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
16	q	504	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
16	X	503	CLA	CHB-C4A-NA	2.78	128.41	124.40
16	Y	509	CLA	C3B-C4B-NB	-2.78	108.05	110.53
13	R	103	LHG	O8-C23-C24	2.78	120.30	111.83
16	Q	1301	CLA	CMB-C2B-C3B	2.78	133.08	126.55
16	h	517	CLA	CHB-C4A-NA	2.78	128.41	124.40
16	B	1226	CLA	CAA-C2A-C3A	-2.78	105.50	113.00
16	B	1218	CLA	C3B-C4B-NB	-2.78	108.05	110.53
16	Z	511	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
16	h	515	CLA	O2D-CGD-O1D	-2.78	118.44	123.85
19	Y	601	BCR	C24-C23-C22	-2.78	122.13	126.23
16	W	502	CLA	CHB-C4A-NA	2.78	128.41	124.40
16	y	517	CLA	CHB-C4A-NA	2.78	128.41	124.40
16	q	509	CLA	C3B-C4B-NB	-2.77	108.05	110.53
16	Z	503	CLA	CHB-C4A-NA	2.77	128.40	124.40
16	v	501	CLA	CAA-C2A-C3A	-2.77	105.50	113.00
16	a	1115	CLA	O2D-CGD-O1D	-2.77	118.45	123.85
16	u	513	CLA	O2D-CGD-O1D	-2.77	118.45	123.85
19	H	4001	BCR	C24-C23-C22	-2.77	122.13	126.23
16	t	507	CLA	CHB-C4A-NA	2.77	128.40	124.40
16	H	1115	CLA	O2D-CGD-O1D	-2.77	118.45	123.85
16	G	1206	CLA	O2D-CGD-O1D	-2.77	118.45	123.85
16	r	508	CLA	C3B-C4B-NB	-2.77	108.05	110.53
16	t	502	CLA	C3B-C4B-NB	-2.77	108.05	110.53
16	b	1240	CLA	O2D-CGD-O1D	-2.77	118.45	123.85
16	o	502	CLA	O2D-CGD-O1D	-2.77	118.45	123.85
16	r	515	CLA	C3B-C4B-NB	-2.77	108.06	110.53
19	r	604	BCR	C3-C4-C5	-2.77	109.11	114.06
16	p	510	CLA	CHB-C4A-NA	2.77	128.40	124.40
16	o	503	CLA	C3B-C4B-NB	-2.77	108.06	110.53
16	H	1402	CLA	C3B-C4B-NB	-2.77	108.06	110.53
16	b	1216	CLA	CHB-C4A-NA	2.77	128.40	124.40
16	Y	513	CLA	O2D-CGD-O1D	-2.77	118.45	123.85
16	g	501	CLA	O2D-CGD-O1D	-2.77	118.45	123.85
16	p	506	CLA	O2D-CGD-O1D	-2.77	118.45	123.85
16	G	1240	CLA	O2D-CGD-O1D	-2.77	118.45	123.85
16	b	1211	CLA	C3B-C4B-NB	-2.77	108.06	110.53
16	Z	509	CLA	O2D-CGD-O1D	-2.77	118.46	123.85
16	a	1102	CLA	O2D-CGD-O1D	-2.77	118.46	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
19	a	4003	BCR	C30-C25-C26	-2.77	118.85	122.64
16	g	509	CLA	O2D-CGD-O1D	-2.77	118.46	123.85
16	y	503	CLA	CHB-C4A-NA	2.77	128.40	124.40
15	A	1011	CL0	C3B-C4B-NB	-2.77	108.06	110.53
16	r	512	CLA	O2D-CGD-O1D	-2.77	118.46	123.85
19	g	603	BCR	C15-C14-C13	-2.77	123.39	127.28
16	q	517	CLA	CMB-C2B-C1B	-2.77	121.20	125.42
16	G	1218	CLA	C3B-C4B-NB	-2.77	108.06	110.53
16	s	502	CLA	CHB-C4A-NA	2.77	128.39	124.40
19	A	4003	BCR	C30-C25-C26	-2.77	118.85	122.64
16	t	514	CLA	CHB-C4A-NA	2.77	128.39	124.40
19	h	601	BCR	C15-C16-C17	-2.77	117.86	123.52
16	W	511	CLA	CHB-C4A-NA	2.77	128.39	124.40
16	v	516	CLA	O2D-CGD-O1D	-2.76	118.47	123.85
16	X	503	CLA	C3B-C4B-NB	-2.76	108.06	110.53
16	o	508	CLA	C3B-C4B-NB	-2.76	108.06	110.53
16	r	504	CLA	C3B-C4B-NB	-2.76	108.06	110.53
16	G	1202	CLA	C3B-C4B-NB	-2.76	108.06	110.53
16	v	511	CLA	CHB-C4A-NA	2.76	128.39	124.40
16	Y	510	CLA	O2D-CGD-O1D	-2.76	118.47	123.85
16	r	511	CLA	O2D-CGD-O1D	-2.76	118.47	123.85
16	X	508	CLA	O2D-CGD-CBD	2.76	116.06	111.23
16	p	509	CLA	CHB-C4A-NA	2.76	128.39	124.40
16	A	1108	CLA	O2D-CGD-O1D	-2.76	118.47	123.85
16	W	516	CLA	O2D-CGD-O1D	-2.76	118.47	123.85
16	y	502	CLA	O2D-CGD-O1D	-2.76	118.47	123.85
16	u	511	CLA	CHB-C4A-NA	2.76	128.39	124.40
16	w	510	CLA	C3B-C4B-NB	-2.76	108.06	110.53
16	x	503	CLA	O2D-CGD-O1D	-2.76	118.47	123.85
16	H	1101	CLA	C3B-C4B-NB	-2.76	108.06	110.53
16	h	514	CLA	CHB-C4A-NA	2.76	128.38	124.40
16	H	1117	CLA	CHB-C4A-NA	2.76	128.38	124.40
13	I	103	LHG	O8-C23-C24	2.76	120.25	111.83
19	H	4003	BCR	C30-C25-C26	-2.76	118.86	122.64
16	W	514	CLA	O2D-CGD-O1D	-2.76	118.47	123.85
16	y	510	CLA	C3B-C4B-NB	-2.76	108.07	110.53
16	r	514	CLA	C3B-C4B-NB	-2.76	108.07	110.53
16	g	510	CLA	CHB-C4A-NA	2.76	128.38	124.40
16	h	502	CLA	CHB-C4A-NA	2.76	128.38	124.40
16	v	505	CLA	CHB-C4A-NA	2.76	128.38	124.40
16	r	509	CLA	O2D-CGD-O1D	-2.76	118.48	123.85
16	s	509	CLA	O2D-CGD-O1D	-2.76	118.48	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
19	j	4015	BCR	C11-C10-C9	-2.76	123.41	127.28
16	n	509	CLA	O2D-CGD-O1D	-2.76	118.48	123.85
16	b	1235	CLA	O2D-CGD-CBD	2.76	116.05	111.23
16	X	513	CLA	C3B-C4B-NB	-2.76	108.07	110.53
16	b	1012	CLA	CHB-C4A-NA	2.76	128.38	124.40
16	b	1226	CLA	CHB-C4A-NA	2.76	128.38	124.40
16	H	1107	CLA	CHB-C4A-NA	2.76	128.38	124.40
16	A	1115	CLA	O2D-CGD-O1D	-2.76	118.48	123.85
16	n	513	CLA	O2D-CGD-O1D	-2.76	118.48	123.85
16	Z	515	CLA	C3B-C4B-NB	-2.76	108.07	110.53
16	b	1220	CLA	C3B-C4B-NB	-2.76	108.07	110.53
16	q	508	CLA	C3B-C4B-NB	-2.76	108.07	110.53
19	p	603	BCR	C15-C14-C13	-2.76	123.41	127.28
19	y	603	BCR	C24-C23-C22	-2.76	122.16	126.23
16	A	1107	CLA	CHB-C4A-NA	2.76	128.38	124.40
16	r	516	CLA	CHB-C4A-NA	2.76	128.38	124.40
16	v	507	CLA	CHB-C4A-NA	2.76	128.38	124.40
16	B	1220	CLA	C3B-C4B-NB	-2.76	108.07	110.53
16	s	516	CLA	C3B-C4B-NB	-2.76	108.07	110.53
16	f	1301	CLA	CMB-C2B-C3B	2.76	133.03	126.55
19	Z	603	BCR	C15-C14-C13	-2.76	123.41	127.28
16	Z	508	CLA	C3B-C4B-NB	-2.75	108.07	110.53
16	j	1302	CLA	C3B-C4B-NB	-2.75	108.07	110.53
16	n	507	CLA	CHB-C4A-NA	2.75	128.38	124.40
16	v	503	CLA	CHB-C4A-NA	2.75	128.38	124.40
16	n	507	CLA	O2D-CGD-O1D	-2.75	118.49	123.85
16	h	502	CLA	O2D-CGD-O1D	-2.75	118.49	123.85
16	y	504	CLA	C3B-C4B-NB	-2.75	108.07	110.53
16	A	1130	CLA	CAA-C2A-C3A	-2.75	105.56	113.00
16	G	1222	CLA	O2D-CGD-O1D	-2.75	118.49	123.85
16	Z	512	CLA	CHB-C4A-NA	2.75	128.37	124.40
16	Y	506	CLA	O2D-CGD-O1D	-2.75	118.49	123.85
16	G	1211	CLA	C3B-C4B-NB	-2.75	108.07	110.53
16	v	512	CLA	CHB-C4A-NA	2.75	128.37	124.40
16	p	505	CLA	CHB-C4A-NA	2.75	128.37	124.40
16	Z	507	CLA	C3B-C4B-NB	-2.75	108.07	110.53
16	G	1228	CLA	C3B-C4B-NB	-2.75	108.07	110.53
16	w	508	CLA	C3B-C4B-NB	-2.75	108.07	110.53
16	w	504	CLA	CHB-C4A-NA	2.75	128.37	124.40
16	b	1206	CLA	O2D-CGD-O1D	-2.75	118.49	123.85
16	H	1108	CLA	O2D-CGD-O1D	-2.75	118.49	123.85
16	Y	512	CLA	CHB-C4A-NA	2.75	128.37	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	k	1401	CLA	CHB-C4A-NA	2.75	128.37	124.40
16	o	506	CLA	CHB-C4A-NA	2.75	128.37	124.40
16	A	1105	CLA	C3B-C4B-NB	-2.75	108.08	110.53
16	u	513	CLA	C3B-C4B-NB	-2.75	108.08	110.53
16	a	1108	CLA	O2D-CGD-O1D	-2.75	118.50	123.85
16	a	1130	CLA	CAA-C2A-C3A	-2.75	105.57	113.00
16	B	1205	CLA	O2A-CGA-O1A	-2.75	116.75	123.63
16	y	510	CLA	O2D-CGD-O1D	-2.75	118.50	123.85
16	s	506	CLA	O2D-CGD-O1D	-2.75	118.50	123.85
16	q	509	CLA	CHB-C4A-NA	2.75	128.37	124.40
19	u	603	BCR	C15-C16-C17	-2.75	117.90	123.52
16	b	1205	CLA	O2A-CGA-O1A	-2.75	116.75	123.63
19	Y	604	BCR	C27-C26-C25	2.75	126.42	122.70
16	b	1232	CLA	O2D-CGD-O1D	-2.75	118.50	123.85
16	x	506	CLA	CHB-C4A-NA	2.75	128.37	124.40
16	W	505	CLA	O2D-CGD-O1D	-2.75	118.50	123.85
16	p	506	CLA	CHB-C4A-NA	2.75	128.36	124.40
16	a	1128	CLA	CMB-C2B-C3B	2.75	133.01	126.55
16	L	1503	CLA	CHB-C4A-NA	2.75	128.36	124.40
16	B	1222	CLA	O2D-CGD-O1D	-2.75	118.50	123.85
16	B	1202	CLA	C3B-C4B-NB	-2.75	108.08	110.53
16	w	501	CLA	O2D-CGD-O1D	-2.75	118.50	123.85
16	W	514	CLA	CHB-C4A-NA	2.75	128.36	124.40
16	s	510	CLA	CHB-C4A-NA	2.75	128.36	124.40
16	t	513	CLA	O2D-CGD-O1D	-2.74	118.50	123.85
16	B	1208	CLA	CHB-C4A-NA	2.74	128.36	124.40
16	b	1210	CLA	CMB-C2B-C1B	-2.74	121.24	125.42
16	Y	508	CLA	O2D-CGD-O1D	-2.74	118.51	123.85
16	q	511	CLA	O2D-CGD-O1D	-2.74	118.51	123.85
16	Y	509	CLA	O2D-CGD-O1D	-2.74	118.51	123.85
19	a	4001	BCR	C24-C23-C22	-2.74	122.18	126.23
16	s	513	CLA	O2D-CGD-O1D	-2.74	118.51	123.85
19	J	4015	BCR	C11-C10-C9	-2.74	123.43	127.28
16	a	1128	CLA	CHB-C1B-NB	2.74	128.16	124.05
16	b	1222	CLA	O2D-CGD-O1D	-2.74	118.51	123.85
16	x	501	CLA	O2D-CGD-O1D	-2.74	118.51	123.85
16	v	505	CLA	O2D-CGD-O1D	-2.74	118.51	123.85
16	h	512	CLA	CHB-C4A-NA	2.74	128.36	124.40
16	B	1211	CLA	C3B-C4B-NB	-2.74	108.08	110.53
16	y	502	CLA	CHB-C4A-NA	2.74	128.36	124.40
16	y	507	CLA	CHB-C4A-NA	2.74	128.36	124.40
16	y	516	CLA	CHB-C4A-NA	2.74	128.36	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	u	516	CLA	CHB-C4A-NA	2.74	128.36	124.40
19	r	603	BCR	C27-C26-C25	2.74	126.41	122.70
19	W	603	BCR	C15-C16-C17	-2.74	117.91	123.52
16	W	505	CLA	C3B-C4B-NB	-2.74	108.08	110.53
16	a	1102	CLA	CMB-C2B-C3B	2.74	133.00	126.55
16	n	515	CLA	O2D-CGD-O1D	-2.74	118.51	123.85
16	A	1103	CLA	CAA-C2A-C3A	-2.74	105.59	113.00
16	b	1208	CLA	CAA-C2A-C3A	-2.74	105.59	113.00
16	y	513	CLA	C3B-C4B-NB	-2.74	108.08	110.53
16	a	1109	CLA	C3B-C4B-NB	-2.74	108.08	110.53
16	p	501	CLA	CHB-C4A-NA	2.74	128.35	124.40
16	s	501	CLA	CHB-C4A-NA	2.74	128.35	124.40
16	G	1232	CLA	O2D-CGD-O1D	-2.74	118.52	123.85
16	X	502	CLA	O2D-CGD-O1D	-2.74	118.52	123.85
16	r	507	CLA	O2D-CGD-O1D	-2.74	118.52	123.85
16	H	1103	CLA	CAA-C2A-C3A	-2.74	105.60	113.00
16	X	516	CLA	C3B-C4B-NB	-2.74	108.09	110.53
16	b	1208	CLA	CHB-C4A-NA	2.74	128.35	124.40
16	s	512	CLA	CHB-C4A-NA	2.74	128.35	124.40
19	A	4001	BCR	C24-C23-C22	-2.74	122.19	126.23
16	Z	516	CLA	C3B-C4B-NB	-2.74	108.09	110.53
16	h	503	CLA	CHB-C4A-NA	2.74	128.35	124.40
16	u	514	CLA	CHB-C4A-NA	2.74	128.35	124.40
16	q	511	CLA	CAA-C2A-C3A	-2.74	105.61	113.00
16	H	1130	CLA	CAA-C2A-C3A	-2.74	105.61	113.00
16	G	1208	CLA	CAA-C2A-C3A	-2.74	105.61	113.00
16	G	1205	CLA	O2A-CGA-O1A	-2.74	116.78	123.63
16	y	512	CLA	CHB-C4A-NA	2.74	128.35	124.40
16	G	1239	CLA	C3B-C4B-NB	-2.74	108.09	110.53
16	o	516	CLA	CHB-C4A-NA	2.73	128.35	124.40
16	G	1012	CLA	CHB-C4A-NA	2.73	128.35	124.40
16	q	506	CLA	O2D-CGD-O1D	-2.73	118.53	123.85
16	B	1239	CLA	C3B-C4B-NB	-2.73	108.09	110.53
16	W	514	CLA	C3B-C4B-NB	-2.73	108.09	110.53
16	r	513	CLA	C3B-C4B-NB	-2.73	108.09	110.53
16	Y	502	CLA	CHB-C4A-NA	2.73	128.35	124.40
15	A	1011	CL0	CMA-C3A-C2A	-2.73	103.41	113.98
16	G	1205	CLA	O2D-CGD-CBD	2.73	116.01	111.23
16	s	504	CLA	O2D-CGD-O1D	-2.73	118.53	123.85
19	h	601	BCR	C15-C14-C13	-2.73	123.45	127.28
16	b	1210	CLA	CHB-C4A-NA	2.73	128.34	124.40
16	Z	501	CLA	O2D-CGD-O1D	-2.73	118.53	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	A	1128	CLA	CMB-C2B-C3B	2.73	132.97	126.55
16	a	1107	CLA	CHB-C4A-NA	2.73	128.34	124.40
19	h	602	BCR	C27-C26-C25	2.73	126.39	122.70
16	B	1240	CLA	C3B-C4B-NB	-2.73	108.09	110.53
16	H	1105	CLA	C3B-C4B-NB	-2.73	108.09	110.53
16	x	502	CLA	CHB-C4A-NA	2.73	128.34	124.40
16	T	1401	CLA	CHB-C4A-NA	2.73	128.34	124.40
16	x	510	CLA	CHB-C4A-NA	2.73	128.34	124.40
19	q	601	BCR	C3-C4-C5	-2.73	109.19	114.06
16	W	507	CLA	CHB-C4A-NA	2.73	128.34	124.40
16	o	512	CLA	CHB-C4A-NA	2.73	128.34	124.40
15	H	1011	CL0	CMA-C3A-C2A	-2.73	103.43	113.98
19	a	4007	BCR	C15-C16-C17	-2.73	117.94	123.52
16	B	1206	CLA	O2D-CGD-O1D	-2.73	118.54	123.85
19	h	601	BCR	C24-C23-C22	-2.73	122.20	126.23
16	a	1121	CLA	C3B-C4B-NB	-2.73	108.09	110.53
16	n	506	CLA	C3B-C4B-NB	-2.73	108.09	110.53
15	a	1011	CL0	CMA-C3A-C2A	-2.73	103.43	113.98
16	H	1128	CLA	CHB-C1B-NB	2.73	128.14	124.05
19	s	603	BCR	C15-C14-C13	-2.73	123.45	127.28
16	B	1210	CLA	CHB-C4A-NA	2.73	128.34	124.40
16	r	503	CLA	O2D-CGD-O1D	-2.73	118.54	123.85
16	n	505	CLA	C3B-C4B-NB	-2.73	108.09	110.53
16	b	1202	CLA	C3B-C4B-NB	-2.73	108.10	110.53
16	w	516	CLA	O2D-CGD-O1D	-2.73	118.54	123.85
19	B	4004	BCR	C24-C23-C22	-2.73	122.20	126.23
16	x	516	CLA	CHB-C4A-NA	2.73	128.33	124.40
16	K	1401	CLA	CHB-C4A-NA	2.73	128.33	124.40
16	x	507	CLA	O2D-CGD-O1D	-2.73	118.54	123.85
16	B	1208	CLA	CAA-C2A-C3A	-2.73	105.63	113.00
19	r	601	BCR	C24-C23-C22	-2.73	122.20	126.23
16	w	510	CLA	O2D-CGD-O1D	-2.73	118.54	123.85
16	A	1102	CLA	CMB-C2B-C3B	2.73	132.96	126.55
16	n	503	CLA	CMB-C2B-C1B	-2.72	121.27	125.42
16	w	504	CLA	C3B-C4B-NB	-2.72	108.10	110.53
16	v	514	CLA	O2D-CGD-O1D	-2.72	118.55	123.85
16	w	502	CLA	O2D-CGD-O1D	-2.72	118.55	123.85
16	X	502	CLA	CHB-C4A-NA	2.72	128.33	124.40
16	a	1105	CLA	CAA-C2A-C3A	-2.72	105.64	113.00
16	H	1102	CLA	CMB-C2B-C3B	2.72	132.95	126.55
19	v	602	BCR	C27-C26-C25	2.72	126.38	122.70
16	r	504	CLA	CHB-C4A-NA	2.72	128.33	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
19	h	603	BCR	C15-C14-C13	-2.72	123.46	127.28
16	X	517	CLA	C3B-C4B-NB	-2.72	108.10	110.53
19	g	604	BCR	C3-C4-C5	-2.72	109.20	114.06
16	n	516	CLA	CHB-C4A-NA	2.72	128.33	124.40
16	w	506	CLA	O2D-CGD-O1D	-2.72	118.55	123.85
16	g	510	CLA	C3B-C4B-NB	-2.72	108.10	110.53
16	r	505	CLA	C3B-C4B-NB	-2.72	108.10	110.53
16	p	510	CLA	O2D-CGD-O1D	-2.72	118.55	123.85
19	r	601	BCR	C28-C27-C26	-2.72	109.20	114.06
19	x	603	BCR	C27-C26-C25	2.72	126.38	122.70
16	r	505	CLA	O2D-CGD-O1D	-2.72	118.55	123.85
19	H	4007	BCR	C15-C16-C17	-2.72	117.95	123.52
16	w	517	CLA	CMB-C2B-C1B	-2.72	121.28	125.42
16	X	508	CLA	C3B-C4B-NB	-2.72	108.10	110.53
16	A	1130	CLA	O2D-CGD-O1D	-2.72	118.55	123.85
16	t	501	CLA	O2D-CGD-O1D	-2.72	118.56	123.85
16	p	511	CLA	CHB-C4A-NA	2.72	128.32	124.40
16	t	501	CLA	CHB-C4A-NA	2.72	128.32	124.40
16	B	1206	CLA	CHB-C4A-NA	2.72	128.32	124.40
16	Y	503	CLA	CHB-C4A-NA	2.72	128.32	124.40
16	H	1121	CLA	CHB-C4A-NA	2.72	128.32	124.40
19	H	4008	BCR	C11-C10-C9	-2.72	123.47	127.28
16	p	516	CLA	O2D-CGD-O1D	-2.72	118.56	123.85
16	a	1103	CLA	CAA-C2A-C3A	-2.72	105.66	113.00
19	v	601	BCR	C15-C16-C17	-2.72	117.96	123.52
16	w	511	CLA	CAA-C2A-C3A	-2.72	105.66	113.00
16	r	501	CLA	O2D-CGD-O1D	-2.72	118.56	123.85
16	X	504	CLA	CHB-C4A-NA	2.72	128.32	124.40
16	r	509	CLA	CHB-C4A-NA	2.72	128.32	124.40
16	G	1210	CLA	CHB-C4A-NA	2.72	128.32	124.40
16	x	511	CLA	O2D-CGD-O1D	-2.72	118.56	123.85
16	A	1101	CLA	CAA-C2A-C3A	-2.72	105.66	113.00
16	X	516	CLA	CHB-C4A-NA	2.72	128.32	124.40
19	y	602	BCR	C27-C26-C25	2.72	126.37	122.70
16	w	509	CLA	C3B-C4B-NB	-2.72	108.11	110.53
19	S	4015	BCR	C11-C10-C9	-2.72	123.47	127.28
16	H	1130	CLA	O2D-CGD-O1D	-2.72	118.56	123.85
16	A	1128	CLA	CHB-C1B-NB	2.72	128.12	124.05
16	s	505	CLA	CHB-C4A-NA	2.71	128.32	124.40
16	p	513	CLA	O2D-CGD-O1D	-2.71	118.56	123.85
16	g	504	CLA	CHB-C4A-NA	2.71	128.32	124.40
19	Z	601	BCR	C3-C4-C5	-2.71	109.22	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	H	1105	CLA	CAA-C2A-C3A	-2.71	105.67	113.00
16	p	511	CLA	O2D-CGD-O1D	-2.71	118.57	123.85
16	x	504	CLA	CHB-C4A-NA	2.71	128.32	124.40
16	A	1105	CLA	CAA-C2A-C3A	-2.71	105.67	113.00
16	o	504	CLA	O2D-CGD-O1D	-2.71	118.57	123.85
16	F	1301	CLA	CHB-C4A-NA	2.71	128.31	124.40
16	g	516	CLA	CHB-C4A-NA	2.71	128.31	124.40
19	p	604	BCR	C27-C26-C25	2.71	126.37	122.70
19	G	4004	BCR	C24-C23-C22	-2.71	122.22	126.23
16	B	1226	CLA	CHB-C4A-NA	2.71	128.31	124.40
16	b	1206	CLA	CHB-C4A-NA	2.71	128.31	124.40
19	b	4004	BCR	C24-C23-C22	-2.71	122.23	126.23
16	H	1131	CLA	CAA-C2A-C3A	-2.71	105.68	113.00
16	u	516	CLA	C3B-C4B-NB	-2.71	108.11	110.53
16	G	1226	CLA	CHB-C4A-NA	2.71	128.31	124.40
19	A	4007	BCR	C15-C16-C17	-2.71	117.98	123.52
16	q	509	CLA	O2D-CGD-O1D	-2.71	118.58	123.85
16	a	1101	CLA	C3B-C4B-NB	-2.71	108.11	110.53
16	r	517	CLA	C3B-C4B-NB	-2.71	108.11	110.53
16	A	1131	CLA	CAA-C2A-C3A	-2.71	105.68	113.00
19	n	603	BCR	C15-C16-C17	-2.71	117.98	123.52
16	H	1128	CLA	CMB-C2B-C3B	2.71	132.92	126.55
16	A	1101	CLA	C3B-C4B-NB	-2.71	108.11	110.53
16	A	1109	CLA	C3B-C4B-NB	-2.71	108.11	110.53
16	Y	504	CLA	C3B-C4B-NB	-2.71	108.11	110.53
16	Z	510	CLA	C3B-C4B-NB	-2.71	108.11	110.53
16	b	1214	CLA	O2D-CGD-O1D	-2.71	118.58	123.85
16	H	1101	CLA	CAA-C2A-C3A	-2.71	105.68	113.00
16	W	508	CLA	O2D-CGD-O1D	-2.71	118.58	123.85
16	k	1401	CLA	O2D-CGD-O1D	-2.71	118.58	123.85
16	n	514	CLA	O2D-CGD-O1D	-2.71	118.58	123.85
16	Y	501	CLA	O2D-CGD-O1D	-2.71	118.58	123.85
16	g	507	CLA	C3B-C4B-NB	-2.71	108.11	110.53
16	p	504	CLA	C3B-C4B-NB	-2.71	108.11	110.53
16	s	504	CLA	C3B-C4B-NB	-2.71	108.11	110.53
19	A	4011	BCR	C31-C1-C6	2.71	114.49	110.24
19	p	601	BCR	C3-C4-C5	-2.71	109.23	114.06
16	l	1503	CLA	CHB-C4A-NA	2.71	128.31	124.40
16	q	504	CLA	CHB-C4A-NA	2.71	128.31	124.40
16	X	504	CLA	C3B-C4B-NB	-2.71	108.11	110.53
16	Y	501	CLA	C3B-C4B-NB	-2.71	108.11	110.53
16	h	512	CLA	CAA-C2A-C3A	-2.71	105.69	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	B	1214	CLA	O2D-CGD-O1D	-2.70	118.58	123.85
16	A	1138	CLA	O2D-CGD-O1D	-2.70	118.58	123.85
16	h	505	CLA	C3B-C4B-NB	-2.70	108.12	110.53
16	r	512	CLA	CHB-C4A-NA	2.70	128.30	124.40
19	s	602	BCR	C24-C23-C22	-2.70	122.24	126.23
16	A	1121	CLA	CHB-C4A-NA	2.70	128.30	124.40
16	Z	504	CLA	CHB-C4A-NA	2.70	128.30	124.40
16	q	502	CLA	CHB-C4A-NA	2.70	128.30	124.40
16	W	516	CLA	C3B-C4B-NB	-2.70	108.12	110.53
16	t	515	CLA	O2D-CGD-O1D	-2.70	118.59	123.85
16	n	504	CLA	O2D-CGD-O1D	-2.70	118.59	123.85
19	w	603	BCR	C15-C14-C13	-2.70	123.49	127.28
16	a	1121	CLA	CHB-C4A-NA	2.70	128.30	124.40
16	B	1232	CLA	O2D-CGD-O1D	-2.70	118.59	123.85
16	G	1214	CLA	O2D-CGD-O1D	-2.70	118.59	123.85
16	A	1801	CLA	C3B-C4B-NB	-2.70	108.12	110.53
16	Y	510	CLA	C3B-C4B-NB	-2.70	108.12	110.53
16	a	1138	CLA	O2D-CGD-O1D	-2.70	118.59	123.85
16	p	512	CLA	CHB-C4A-NA	2.70	128.30	124.40
16	u	512	CLA	CHB-C4A-NA	2.70	128.30	124.40
16	g	517	CLA	O2D-CGD-O1D	-2.70	118.59	123.85
19	p	603	BCR	C29-C30-C25	2.70	114.36	110.44
16	r	516	CLA	CMB-C2B-C1B	-2.70	121.31	125.42
19	l	4019	BCR	C27-C26-C25	2.70	126.35	122.70
19	s	604	BCR	C27-C26-C25	2.70	126.35	122.70
16	B	1012	CLA	CHB-C4A-NA	2.70	128.29	124.40
16	U	1503	CLA	CHB-C4A-NA	2.70	128.29	124.40
16	g	516	CLA	O2D-CGD-O1D	-2.70	118.60	123.85
16	w	504	CLA	O2D-CGD-O1D	-2.70	118.60	123.85
14	Y	701	LMG	O6-C1-O1	-2.70	103.67	110.04
16	a	1105	CLA	C3B-C4B-NB	-2.70	108.12	110.53
16	H	1801	CLA	C3B-C4B-NB	-2.70	108.12	110.53
16	x	507	CLA	C3B-C4B-NB	-2.70	108.12	110.53
16	G	1023	CLA	CBC-CAC-C3C	2.70	119.73	112.42
16	H	1138	CLA	O2D-CGD-O1D	-2.70	118.60	123.85
16	a	1101	CLA	CAA-C2A-C3A	-2.70	105.72	113.00
16	b	1023	CLA	CBC-CAC-C3C	2.70	119.73	112.42
16	W	510	CLA	O2D-CGD-O1D	-2.69	118.60	123.85
16	B	1203	CLA	C3B-C4B-NB	-2.69	108.12	110.53
16	t	513	CLA	C3B-C4B-NB	-2.69	108.12	110.53
19	Z	603	BCR	C28-C27-C26	-2.69	109.25	114.06
16	Y	514	CLA	O2D-CGD-O1D	-2.69	118.61	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	s	511	CLA	O2D-CGD-O1D	-2.69	118.61	123.85
16	G	1236	CLA	CHB-C4A-NA	2.69	128.29	124.40
19	A	4008	BCR	C15-C14-C13	-2.69	123.50	127.28
16	b	1239	CLA	C3B-C4B-NB	-2.69	108.13	110.53
16	h	503	CLA	C3B-C4B-NB	-2.69	108.13	110.53
16	G	1206	CLA	CHB-C4A-NA	2.69	128.29	124.40
16	a	1130	CLA	O2D-CGD-O1D	-2.69	118.61	123.85
16	w	509	CLA	O2D-CGD-O1D	-2.69	118.61	123.85
16	q	512	CLA	CHB-C4A-NA	2.69	128.28	124.40
16	G	1203	CLA	C3B-C4B-NB	-2.69	108.13	110.53
16	o	516	CLA	O2D-CGD-O1D	-2.69	118.61	123.85
16	B	1023	CLA	CBC-CAC-C3C	2.69	119.72	112.42
16	Y	506	CLA	CHB-C4A-NA	2.69	128.28	124.40
16	v	516	CLA	CHB-C4A-NA	2.69	128.28	124.40
16	s	516	CLA	O2D-CGD-O1D	-2.69	118.61	123.85
19	v	601	BCR	C15-C14-C13	-2.69	123.51	127.28
16	a	1103	CLA	O2D-CGD-O1D	-2.69	118.61	123.85
16	a	1131	CLA	CAA-C2A-C3A	-2.69	105.73	113.00
16	G	1202	CLA	O2D-CGD-O1D	-2.69	118.61	123.85
16	A	1121	CLA	C3B-C4B-NB	-2.69	108.13	110.53
16	G	1203	CLA	O2D-CGD-O1D	-2.69	118.62	123.85
16	a	1801	CLA	C3B-C4B-NB	-2.69	108.13	110.53
16	w	516	CLA	C3B-C4B-NB	-2.69	108.13	110.53
16	A	1103	CLA	O2D-CGD-O1D	-2.69	118.62	123.85
16	Y	502	CLA	O2D-CGD-O1D	-2.69	118.62	123.85
19	t	603	BCR	C15-C16-C17	-2.69	118.02	123.52
16	n	508	CLA	O2D-CGD-O1D	-2.69	118.62	123.85
16	H	1129	CLA	CHB-C4A-NA	2.69	128.28	124.40
19	L	4019	BCR	C27-C26-C25	2.69	126.33	122.70
19	g	602	BCR	C27-C26-C25	2.69	126.33	122.70
16	Z	509	CLA	C3B-C4B-NB	-2.69	108.13	110.53
16	t	504	CLA	C3B-C4B-NB	-2.69	108.13	110.53
16	B	1205	CLA	O2D-CGD-CBD	2.68	115.92	111.23
16	u	515	CLA	O2D-CGD-O1D	-2.68	118.62	123.85
16	G	1214	CLA	CHB-C4A-NA	2.68	128.27	124.40
19	H	4011	BCR	C31-C1-C6	2.68	114.45	110.24
16	b	1203	CLA	O2D-CGD-O1D	-2.68	118.62	123.85
16	H	1123	CLA	O2D-CGD-O1D	-2.68	118.62	123.85
16	u	507	CLA	O2D-CGD-O1D	-2.68	118.62	123.85
19	v	603	BCR	C28-C27-C26	-2.68	109.27	114.06
19	X	602	BCR	C15-C16-C17	-2.68	118.03	123.52
16	q	510	CLA	C3B-C4B-NB	-2.68	108.14	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	s	503	CLA	C3B-C4B-NB	-2.68	108.14	110.53
16	H	1117	CLA	CMB-C2B-C1B	-2.68	121.33	125.42
19	s	601	BCR	C3-C4-C5	-2.68	109.27	114.06
16	y	514	CLA	C3B-C4B-NB	-2.68	108.14	110.53
16	u	514	CLA	O2D-CGD-O1D	-2.68	118.63	123.85
19	o	604	BCR	C3-C4-C5	-2.68	109.27	114.06
19	A	4001	BCR	C15-C16-C17	-2.68	118.03	123.52
16	Y	507	CLA	C3B-C4B-NB	-2.68	108.14	110.53
16	Z	505	CLA	C3B-C4B-NB	-2.68	108.14	110.53
19	a	4008	BCR	C15-C14-C13	-2.68	123.52	127.28
16	A	1123	CLA	O2D-CGD-O1D	-2.68	118.63	123.85
16	Z	506	CLA	O2D-CGD-O1D	-2.68	118.63	123.85
16	a	1123	CLA	O2D-CGD-O1D	-2.68	118.63	123.85
16	g	514	CLA	CHB-C4A-NA	2.68	128.27	124.40
16	H	1121	CLA	C3B-C4B-NB	-2.68	108.14	110.53
19	n	601	BCR	C24-C23-C22	-2.68	122.27	126.23
19	w	601	BCR	C3-C4-C5	-2.68	109.28	114.06
16	B	1202	CLA	O2D-CGD-O1D	-2.68	118.63	123.85
16	B	1203	CLA	O2D-CGD-O1D	-2.68	118.63	123.85
16	q	501	CLA	CHB-C4A-NA	2.68	128.27	124.40
16	b	1212	CLA	C3B-C4B-NB	-2.68	108.14	110.53
16	v	503	CLA	C3B-C4B-NB	-2.68	108.14	110.53
16	v	505	CLA	C3B-C4B-NB	-2.68	108.14	110.53
16	f	1301	CLA	CHB-C4A-NA	2.68	128.26	124.40
16	Q	1301	CLA	CHB-C4A-NA	2.68	128.26	124.40
16	b	1202	CLA	O2D-CGD-O1D	-2.68	118.64	123.85
16	T	1401	CLA	O2D-CGD-O1D	-2.68	118.64	123.85
16	b	1205	CLA	O2D-CGD-CBD	2.68	115.91	111.23
19	l	4022	BCR	C15-C14-C13	-2.68	123.52	127.28
16	q	504	CLA	C3B-C4B-NB	-2.68	108.14	110.53
16	B	1214	CLA	CHB-C4A-NA	2.68	128.26	124.40
19	q	603	BCR	C15-C14-C13	-2.68	123.52	127.28
16	H	1114	CLA	O2D-CGD-O1D	-2.68	118.64	123.85
16	a	1115	CLA	CAA-C2A-C3A	-2.68	105.77	113.00
16	x	508	CLA	C3B-C4B-NB	-2.68	108.14	110.53
16	a	1129	CLA	CHB-C4A-NA	2.68	128.26	124.40
16	g	503	CLA	O2D-CGD-O1D	-2.68	118.64	123.85
16	g	507	CLA	O2D-CGD-O1D	-2.68	118.64	123.85
19	v	604	BCR	C15-C16-C17	-2.67	118.05	123.52
16	Y	507	CLA	O2D-CGD-O1D	-2.67	118.64	123.85
16	p	507	CLA	O2D-CGD-O1D	-2.67	118.64	123.85
16	h	514	CLA	O2D-CGD-O1D	-2.67	118.64	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	n	510	CLA	C3B-C4B-NB	-2.67	108.14	110.53
16	H	1103	CLA	O2D-CGD-O1D	-2.67	118.64	123.85
16	b	1021	CLA	CMA-C3A-C4A	-2.67	104.59	111.77
16	l	1503	CLA	O2D-CGD-O1D	-2.67	118.64	123.85
16	X	501	CLA	C3B-C4B-NB	-2.67	108.14	110.53
16	s	505	CLA	CAA-C2A-C3A	-2.67	105.78	113.00
19	a	4011	BCR	C31-C1-C6	2.67	114.43	110.24
16	p	502	CLA	O2D-CGD-O1D	-2.67	118.65	123.85
16	t	508	CLA	O2D-CGD-O1D	-2.67	118.65	123.85
16	a	1128	CLA	CHB-C4A-NA	2.67	128.26	124.40
16	Y	514	CLA	C3B-C4B-NB	-2.67	108.14	110.53
16	b	1214	CLA	CHB-C4A-NA	2.67	128.25	124.40
16	K	1401	CLA	O2D-CGD-O1D	-2.67	118.65	123.85
16	H	1115	CLA	CAA-C2A-C3A	-2.67	105.78	113.00
16	r	509	CLA	C3B-C4B-NB	-2.67	108.15	110.53
16	g	508	CLA	O2D-CGD-O1D	-2.67	118.65	123.85
16	p	505	CLA	C3B-C4B-NB	-2.67	108.15	110.53
16	t	506	CLA	C3B-C4B-NB	-2.67	108.15	110.53
16	A	1129	CLA	CHB-C4A-NA	2.67	128.25	124.40
19	j	4015	BCR	C15-C16-C17	-2.67	118.06	123.52
16	Y	515	CLA	C3B-C4B-NB	-2.67	108.15	110.53
19	t	603	BCR	C24-C23-C22	-2.67	122.29	126.23
19	a	4001	BCR	C15-C16-C17	-2.67	118.06	123.52
19	n	601	BCR	C15-C16-C17	-2.67	118.06	123.52
19	Y	601	BCR	C3-C4-C5	-2.67	109.30	114.06
16	p	501	CLA	O2D-CGD-O1D	-2.67	118.66	123.85
16	t	505	CLA	O2D-CGD-O1D	-2.67	118.66	123.85
16	g	509	CLA	CHB-C4A-NA	2.67	128.25	124.40
16	s	506	CLA	CHB-C4A-NA	2.67	128.25	124.40
16	A	1114	CLA	O2D-CGD-O1D	-2.67	118.66	123.85
16	w	516	CLA	CHB-C4A-NA	2.66	128.25	124.40
16	B	1212	CLA	C3B-C4B-NB	-2.66	108.15	110.53
16	B	1021	CLA	CMA-C3A-C4A	-2.66	104.61	111.77
16	p	505	CLA	CAA-C2A-C3A	-2.66	105.80	113.00
19	S	4015	BCR	C15-C16-C17	-2.66	118.07	123.52
16	x	509	CLA	CHB-C4A-NA	2.66	128.24	124.40
16	g	505	CLA	C3B-C4B-NB	-2.66	108.15	110.53
16	B	1236	CLA	CHB-C4A-NA	2.66	128.24	124.40
16	L	1503	CLA	O2D-CGD-O1D	-2.66	118.67	123.85
16	A	1115	CLA	CAA-C2A-C3A	-2.66	105.81	113.00
16	B	1216	CLA	O2D-CGD-O1D	-2.66	118.67	123.85
19	o	604	BCR	C15-C16-C17	-2.66	118.08	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	Y	511	CLA	C3B-C4B-NB	-2.66	108.16	110.53
16	u	501	CLA	C3B-C4B-NB	-2.66	108.16	110.53
19	A	4008	BCR	C11-C10-C9	-2.66	123.55	127.28
16	w	512	CLA	CHB-C4A-NA	2.66	128.24	124.40
16	x	512	CLA	CHB-C4A-NA	2.66	128.24	124.40
19	s	603	BCR	C29-C30-C25	2.66	114.30	110.44
19	J	4015	BCR	C15-C16-C17	-2.66	118.08	123.52
16	x	505	CLA	O2D-CGD-O1D	-2.66	118.67	123.85
19	Z	604	BCR	C3-C4-C5	-2.66	109.31	114.06
16	X	506	CLA	CHB-C4A-NA	2.66	128.24	124.40
16	a	1114	CLA	O2D-CGD-O1D	-2.66	118.67	123.85
16	o	515	CLA	O2D-CGD-O1D	-2.66	118.67	123.85
19	a	4007	BCR	C7-C8-C9	-2.66	122.30	126.23
16	g	511	CLA	CMB-C2B-C1B	-2.66	121.37	125.42
19	H	4001	BCR	C15-C16-C17	-2.66	118.08	123.52
19	j	4013	BCR	C2-C1-C6	2.66	114.30	110.44
16	G	1021	CLA	CMA-C3A-C4A	-2.66	104.63	111.77
16	G	1216	CLA	O2D-CGD-O1D	-2.66	118.67	123.85
19	o	603	BCR	C15-C16-C17	-2.66	118.08	123.52
16	G	1234	CLA	C3B-C4B-NB	-2.66	108.16	110.53
19	U	4019	BCR	C27-C26-C25	2.66	126.29	122.70
16	B	1205	CLA	CAA-C2A-C3A	-2.65	105.83	113.00
16	H	1128	CLA	CHB-C4A-NA	2.65	128.23	124.40
16	A	1111	CLA	O2D-CGD-O1D	-2.65	118.68	123.85
16	U	1503	CLA	O2D-CGD-O1D	-2.65	118.68	123.85
19	A	4007	BCR	C7-C8-C9	-2.65	122.31	126.23
16	x	505	CLA	C3B-C4B-NB	-2.65	108.16	110.53
16	L	1501	CLA	O2D-CGD-O1D	-2.65	118.69	123.85
19	H	4007	BCR	C7-C8-C9	-2.65	122.31	126.23
16	u	516	CLA	O2D-CGD-O1D	-2.65	118.69	123.85
19	a	4008	BCR	C11-C10-C9	-2.65	123.56	127.28
19	S	4013	BCR	C2-C1-C6	2.65	114.29	110.44
19	t	601	BCR	C28-C27-C26	-2.65	109.33	114.06
14	b	848	LMG	O1-C1-C2	-2.65	104.25	108.27
16	b	1203	CLA	C3B-C4B-NB	-2.65	108.16	110.53
16	o	501	CLA	C3B-C4B-NB	-2.65	108.16	110.53
16	G	1205	CLA	CAA-C2A-C3A	-2.65	105.83	113.00
16	g	505	CLA	O2D-CGD-O1D	-2.65	118.69	123.85
16	G	1238	CLA	O2D-CGD-O1D	-2.65	118.69	123.85
16	X	512	CLA	CHB-C4A-NA	2.65	128.23	124.40
16	p	503	CLA	CHB-C4A-NA	2.65	128.23	124.40
19	A	4007	BCR	C11-C10-C9	-2.65	123.56	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	Y	516	CLA	O2D-CGD-O1D	-2.65	118.69	123.85
16	A	1139	CLA	CHB-C4A-NA	2.65	128.22	124.40
16	b	1205	CLA	CAA-C2A-C3A	-2.65	105.84	113.00
16	A	1112	CLA	O2D-CGD-O1D	-2.65	118.69	123.85
16	H	1111	CLA	O2D-CGD-O1D	-2.65	118.69	123.85
16	w	502	CLA	CAA-C2A-C3A	-2.65	105.84	113.00
16	A	1130	CLA	CHB-C4A-NA	2.65	128.22	124.40
14	B	848	LMG	O1-C1-C2	-2.65	104.25	108.27
16	B	1234	CLA	C3B-C4B-NB	-2.65	108.17	110.53
16	b	1217	CLA	O2D-CGD-O1D	-2.65	118.69	123.85
14	p	701	LMG	O6-C1-O1	-2.65	103.79	110.04
16	s	503	CLA	CHB-C4A-NA	2.65	128.22	124.40
19	a	4007	BCR	C11-C10-C9	-2.65	123.57	127.28
16	x	516	CLA	C3B-C4B-NB	-2.65	108.17	110.53
16	u	517	CLA	CMB-C2B-C1B	-2.65	121.39	125.42
16	x	514	CLA	CHB-C4A-NA	2.64	128.22	124.40
16	Y	505	CLA	CAA-C2A-C3A	-2.64	105.85	113.00
16	s	507	CLA	O2D-CGD-O1D	-2.64	118.70	123.85
16	A	1117	CLA	CMB-C2B-C1B	-2.64	121.39	125.42
19	o	602	BCR	C15-C14-C13	-2.64	123.57	127.28
19	U	4022	BCR	C15-C14-C13	-2.64	123.57	127.28
16	b	1238	CLA	O2D-CGD-O1D	-2.64	118.70	123.85
16	r	517	CLA	O2D-CGD-O1D	-2.64	118.70	123.85
16	y	503	CLA	C3B-C4B-NB	-2.64	108.17	110.53
19	J	4013	BCR	C2-C1-C6	2.64	114.28	110.44
16	b	1236	CLA	CHB-C4A-NA	2.64	128.22	124.40
16	H	1130	CLA	CHB-C4A-NA	2.64	128.22	124.40
19	M	4021	BCR	C28-C27-C26	-2.64	109.34	114.06
19	H	4008	BCR	C15-C14-C13	-2.64	123.57	127.28
16	A	1127	CLA	CHB-C4A-NA	2.64	128.21	124.40
16	a	1112	CLA	O2D-CGD-O1D	-2.64	118.70	123.85
16	g	512	CLA	CHB-C4A-NA	2.64	128.21	124.40
16	W	506	CLA	O2A-CGA-O1A	-2.64	117.02	123.63
19	w	604	BCR	C3-C4-C5	-2.64	109.35	114.06
16	Z	517	CLA	C3B-C4B-NB	-2.64	108.17	110.53
16	a	1111	CLA	O2D-CGD-O1D	-2.64	118.71	123.85
14	G	848	LMG	O1-C1-C2	-2.64	104.26	108.27
19	H	4001	BCR	C29-C30-C25	2.64	114.27	110.44
16	A	1128	CLA	CHB-C4A-NA	2.64	128.21	124.40
16	X	515	CLA	O2D-CGD-O1D	-2.64	118.71	123.85
19	p	602	BCR	C15-C16-C17	-2.64	118.12	123.52
16	B	1238	CLA	O2D-CGD-O1D	-2.64	118.71	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	H	1112	CLA	O2D-CGD-O1D	-2.64	118.71	123.85
16	x	515	CLA	CHB-C4A-NA	2.64	128.21	124.40
16	b	1223	CLA	O2D-CGD-O1D	-2.64	118.71	123.85
16	U	1501	CLA	O2D-CGD-O1D	-2.64	118.71	123.85
19	u	604	BCR	C3-C4-C5	-2.64	109.35	114.06
16	a	1117	CLA	CMB-C2B-C1B	-2.64	121.41	125.42
16	s	502	CLA	O2D-CGD-O1D	-2.64	118.72	123.85
19	p	602	BCR	C24-C23-C22	-2.64	122.34	126.23
19	x	602	BCR	C31-C1-C6	2.64	114.38	110.24
15	A	1011	CL0	CMB-C2B-C1B	-2.64	121.41	125.42
16	s	515	CLA	O2D-CGD-O1D	-2.64	118.72	123.85
16	a	1139	CLA	CHB-C4A-NA	2.64	128.20	124.40
17	A	2001	PQN	C11-C12-C13	-2.63	122.29	126.83
16	b	1220	CLA	CMB-C2B-C1B	-2.63	121.41	125.42
16	G	1223	CLA	O2D-CGD-O1D	-2.63	118.72	123.85
16	b	1216	CLA	O2D-CGD-O1D	-2.63	118.72	123.85
16	s	501	CLA	O2D-CGD-O1D	-2.63	118.72	123.85
16	h	510	CLA	CMB-C2B-C1B	-2.63	121.41	125.42
16	g	503	CLA	CAA-C2A-C3A	-2.63	105.89	113.00
16	B	1223	CLA	O2D-CGD-O1D	-2.63	118.73	123.85
19	L	4022	BCR	C15-C14-C13	-2.63	123.59	127.28
16	Y	512	CLA	CMB-C2B-C1B	-2.63	121.41	125.42
16	x	517	CLA	O2D-CGD-O1D	-2.63	118.73	123.85
16	Z	504	CLA	O2D-CGD-O1D	-2.63	118.73	123.85
16	l	1501	CLA	O2D-CGD-O1D	-2.63	118.73	123.85
16	o	516	CLA	C3B-C4B-NB	-2.63	108.18	110.53
19	R	4020	BCR	C15-C16-C17	-2.63	118.14	123.52
19	X	601	BCR	C29-C30-C25	2.63	114.26	110.44
19	v	601	BCR	C24-C23-C22	-2.63	122.34	126.23
16	X	516	CLA	O2D-CGD-O1D	-2.63	118.73	123.85
16	o	504	CLA	C3B-C4B-NB	-2.63	108.18	110.53
16	p	516	CLA	C3B-C4B-NB	-2.63	108.18	110.53
14	s	701	LMG	O6-C1-O1	-2.63	103.83	110.04
16	G	1211	CLA	O2D-CGD-O1D	-2.63	118.73	123.85
14	H	4201	LMG	O6-C1-O1	-2.63	103.84	110.04
16	v	514	CLA	C3B-C4B-NB	-2.63	108.19	110.53
19	x	604	BCR	C11-C10-C9	-2.63	123.59	127.28
19	g	602	BCR	C31-C1-C6	2.63	114.36	110.24
19	r	601	BCR	C3-C4-C5	-2.63	109.37	114.06
16	o	515	CLA	C3B-C4B-NB	-2.62	108.19	110.53
16	G	1217	CLA	O2D-CGD-O1D	-2.62	118.74	123.85
16	s	511	CLA	C3B-C4B-NB	-2.62	108.19	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
19	g	603	BCR	C24-C23-C22	-2.62	122.36	126.23
16	b	1211	CLA	O2D-CGD-O1D	-2.62	118.74	123.85
16	r	502	CLA	O2D-CGD-O1D	-2.62	118.74	123.85
16	s	514	CLA	O2D-CGD-O1D	-2.62	118.74	123.85
19	m	4021	BCR	C28-C27-C26	-2.62	109.38	114.06
19	X	602	BCR	C15-C14-C13	-2.62	123.60	127.28
16	G	1214	CLA	CAA-C2A-C3A	-2.62	105.91	113.00
16	H	1127	CLA	CHB-C4A-NA	2.62	128.18	124.40
19	b	4006	BCR	C27-C26-C25	2.62	126.25	122.70
16	Y	515	CLA	O2D-CGD-O1D	-2.62	118.75	123.85
16	a	1112	CLA	C3B-C4B-NB	-2.62	108.19	110.53
14	A	4201	LMG	O6-C1-O1	-2.62	103.85	110.04
19	l	4019	BCR	C15-C16-C17	-2.62	118.16	123.52
16	o	507	CLA	O2D-CGD-O1D	-2.62	118.75	123.85
19	x	601	BCR	C3-C4-C5	-2.62	109.39	114.06
16	h	514	CLA	C3B-C4B-NB	-2.62	108.19	110.53
19	Y	602	BCR	C15-C16-C17	-2.62	118.16	123.52
15	H	1011	CL0	CMB-C2B-C1B	-2.62	121.43	125.42
19	Y	604	BCR	C3-C4-C5	-2.62	109.39	114.06
19	a	4001	BCR	C29-C30-C25	2.62	114.24	110.44
16	b	1234	CLA	C3B-C4B-NB	-2.62	108.19	110.53
16	n	504	CLA	C3B-C4B-NB	-2.62	108.19	110.53
16	B	1225	CLA	O2D-CGD-O1D	-2.62	118.75	123.85
19	F	4016	BCR	C11-C10-C9	-2.62	123.61	127.28
19	X	601	BCR	C28-C27-C26	-2.61	109.39	114.06
16	Y	517	CLA	C3B-C4B-NB	-2.61	108.20	110.53
19	I	4020	BCR	C15-C16-C17	-2.61	118.17	123.52
19	f	4016	BCR	C11-C10-C9	-2.61	123.61	127.28
16	G	1220	CLA	CMB-C2B-C1B	-2.61	121.44	125.42
19	B	4006	BCR	C27-C26-C25	2.61	126.24	122.70
16	v	512	CLA	CMB-C2B-C3B	2.61	132.70	126.55
16	s	505	CLA	C3B-C4B-NB	-2.61	108.20	110.53
19	H	4007	BCR	C11-C10-C9	-2.61	123.61	127.28
16	G	1212	CLA	C3B-C4B-NB	-2.61	108.20	110.53
16	B	1220	CLA	CMB-C2B-C1B	-2.61	121.44	125.42
16	B	1214	CLA	CAA-C2A-C3A	-2.61	105.94	113.00
16	b	1225	CLA	O2D-CGD-O1D	-2.61	118.77	123.85
19	V	4021	BCR	C28-C27-C26	-2.61	109.40	114.06
14	a	4201	LMG	O6-C1-O1	-2.61	103.88	110.04
16	H	1127	CLA	C3B-C4B-NB	-2.61	108.20	110.53
16	a	1130	CLA	CHB-C4A-NA	2.61	128.17	124.40
16	r	514	CLA	CHB-C4A-NA	2.61	128.17	124.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
19	g	603	BCR	C3-C4-C5	-2.61	109.40	114.06
19	Y	602	BCR	C15-C14-C13	-2.61	123.62	127.28
19	i	4020	BCR	C15-C16-C17	-2.61	118.18	123.52
17	a	2001	PQN	C11-C12-C13	-2.61	122.34	126.83
16	B	1217	CLA	O2D-CGD-O1D	-2.61	118.77	123.85
16	a	1124	CLA	CHB-C4A-NA	2.61	128.16	124.40
16	G	1222	CLA	CHB-C4A-NA	2.61	128.16	124.40
16	X	507	CLA	O2D-CGD-O1D	-2.61	118.78	123.85
16	v	510	CLA	C3B-C4B-NB	-2.60	108.20	110.53
16	q	516	CLA	O2D-CGD-O1D	-2.60	118.78	123.85
16	G	1231	CLA	O2D-CGD-O1D	-2.60	118.78	123.85
16	H	1139	CLA	CHB-C4A-NA	2.60	128.16	124.40
16	a	1127	CLA	CHB-C4A-NA	2.60	128.16	124.40
16	X	504	CLA	O2D-CGD-O1D	-2.60	118.78	123.85
16	a	1125	CLA	O2D-CGD-O1D	-2.60	118.78	123.85
19	u	602	BCR	C15-C14-C13	-2.60	123.63	127.28
16	b	1231	CLA	O2D-CGD-O1D	-2.60	118.78	123.85
19	X	603	BCR	C15-C16-C17	-2.60	118.20	123.52
19	x	604	BCR	C15-C16-C17	-2.60	118.20	123.52
19	G	4006	BCR	C27-C26-C25	2.60	126.22	122.70
16	p	514	CLA	O2D-CGD-O1D	-2.60	118.78	123.85
16	u	512	CLA	CMB-C2B-C1B	-2.60	121.46	125.42
16	b	1214	CLA	CAA-C2A-C3A	-2.60	105.97	113.00
19	L	4019	BCR	C15-C16-C17	-2.60	118.20	123.52
16	H	1136	CLA	CAA-C2A-C3A	-2.60	105.97	113.00
16	x	501	CLA	CAA-C2A-C3A	-2.60	105.97	113.00
16	B	1211	CLA	O2D-CGD-O1D	-2.60	118.79	123.85
16	a	1136	CLA	CAA-C2A-C3A	-2.60	105.98	113.00
19	j	4015	BCR	C7-C8-C9	-2.60	122.39	126.23
16	Z	516	CLA	CHB-C4A-NA	2.60	128.15	124.40
19	V	4021	BCR	C24-C23-C22	-2.60	122.39	126.23
19	y	603	BCR	C29-C30-C25	2.60	114.21	110.44
16	a	1107	CLA	C3B-C4B-NB	-2.60	108.21	110.53
16	G	1225	CLA	O2D-CGD-O1D	-2.60	118.79	123.85
17	H	2001	PQN	C11-C12-C13	-2.60	122.36	126.83
16	A	1124	CLA	CHB-C4A-NA	2.60	128.15	124.40
16	w	502	CLA	C1-C2-C3	-2.60	122.56	126.76
19	r	602	BCR	C27-C26-C25	2.59	126.21	122.70
16	B	1231	CLA	O2D-CGD-O1D	-2.59	118.80	123.85
16	Y	516	CLA	C3B-C4B-NB	-2.59	108.21	110.53
16	H	1107	CLA	C3B-C4B-NB	-2.59	108.21	110.53
19	s	602	BCR	C15-C16-C17	-2.59	118.21	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	H	1113	CLA	CMB-C2B-C3B	2.59	132.65	126.55
19	r	603	BCR	C15-C14-C13	-2.59	123.64	127.28
16	F	1301	CLA	O2D-CGD-O1D	-2.59	118.81	123.85
19	b	4014	BCR	C15-C16-C17	-2.59	118.22	123.52
16	b	1201	CLA	CMB-C2B-C3B	2.59	132.64	126.55
19	J	4015	BCR	C7-C8-C9	-2.59	122.40	126.23
16	u	515	CLA	C3B-C4B-NB	-2.59	108.22	110.53
19	b	4010	BCR	C15-C14-C13	-2.59	123.65	127.28
16	X	517	CLA	CMB-C2B-C3B	2.59	132.64	126.55
19	g	601	BCR	C15-C16-C17	-2.59	118.22	123.52
19	y	604	BCR	C2-C1-C6	2.59	114.20	110.44
19	B	4014	BCR	C15-C16-C17	-2.59	118.22	123.52
16	L	1503	CLA	CMB-C2B-C1B	-2.59	121.48	125.42
19	r	603	BCR	C3-C4-C5	-2.59	109.44	114.06
16	q	506	CLA	C3B-C4B-NB	-2.59	108.22	110.53
16	B	1222	CLA	CHB-C4A-NA	2.59	128.13	124.40
19	Q	4016	BCR	C11-C10-C9	-2.59	123.65	127.28
19	A	4001	BCR	C29-C30-C25	2.59	114.19	110.44
16	H	1124	CLA	CHB-C4A-NA	2.58	128.13	124.40
19	G	4014	BCR	C15-C16-C17	-2.58	118.23	123.52
16	v	513	CLA	O2D-CGD-O1D	-2.58	118.82	123.85
16	u	505	CLA	CAA-C2A-C3A	-2.58	106.02	113.00
16	Z	502	CLA	CHB-C4A-NA	2.58	128.13	124.40
15	a	1011	CL0	CMB-C2B-C1B	-2.58	121.49	125.42
19	Y	601	BCR	C15-C16-C17	-2.58	118.24	123.52
19	Z	603	BCR	C29-C30-C25	2.58	114.19	110.44
19	B	4010	BCR	C15-C14-C13	-2.58	123.66	127.28
16	b	1222	CLA	CHB-C4A-NA	2.58	128.12	124.40
16	t	504	CLA	O2D-CGD-O1D	-2.58	118.83	123.85
16	A	1113	CLA	CMB-C2B-C3B	2.58	132.62	126.55
16	y	510	CLA	CMB-C2B-C1B	-2.58	121.49	125.42
19	I	4018	BCR	C3-C4-C5	-2.58	109.46	114.06
16	o	502	CLA	O2A-CGA-O1A	-2.58	117.18	123.63
19	x	602	BCR	C27-C26-C25	2.58	126.19	122.70
16	n	516	CLA	C3B-C4B-NB	-2.58	108.23	110.53
16	h	513	CLA	O2D-CGD-O1D	-2.58	118.83	123.85
16	x	515	CLA	CAA-C2A-C3A	-2.58	106.03	113.00
16	A	1136	CLA	CAA-C2A-C3A	-2.58	106.04	113.00
16	a	1113	CLA	CMB-C2B-C3B	2.58	132.61	126.55
19	X	603	BCR	C3-C4-C5	-2.58	109.46	114.06
19	g	601	BCR	C3-C4-C5	-2.57	109.46	114.06
16	x	504	CLA	O2D-CGD-O1D	-2.57	118.84	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
19	i	4018	BCR	C27-C26-C25	2.57	126.18	122.70
19	U	4019	BCR	C15-C16-C17	-2.57	118.25	123.52
16	o	505	CLA	CAA-C2A-C3A	-2.57	106.05	113.00
19	p	602	BCR	C15-C14-C13	-2.57	123.67	127.28
19	b	4006	BCR	C40-C30-C25	2.57	114.28	110.24
19	G	4006	BCR	C40-C30-C25	2.57	114.28	110.24
16	Q	1301	CLA	O2D-CGD-O1D	-2.57	118.84	123.85
16	p	504	CLA	O2D-CGD-O1D	-2.57	118.84	123.85
16	G	1201	CLA	CMB-C2B-C3B	2.57	132.60	126.55
16	h	512	CLA	CMB-C2B-C3B	2.57	132.60	126.55
16	W	511	CLA	CMB-C2B-C3B	2.57	132.60	126.55
16	X	505	CLA	CAA-C2A-C3A	-2.57	106.05	113.00
19	S	4015	BCR	C7-C8-C9	-2.57	122.43	126.23
19	B	4005	BCR	C29-C30-C25	2.57	114.17	110.44
16	U	1503	CLA	CMB-C2B-C1B	-2.57	121.50	125.42
16	t	510	CLA	C3B-C4B-NB	-2.57	108.24	110.53
19	i	4018	BCR	C3-C4-C5	-2.57	109.47	114.06
16	Y	503	CLA	C3B-C4B-NB	-2.57	108.24	110.53
19	R	4018	BCR	C3-C4-C5	-2.57	109.48	114.06
16	y	512	CLA	CMB-C2B-C3B	2.57	132.59	126.55
16	H	1122	CLA	O2D-CGD-O1D	-2.57	118.85	123.85
16	B	1201	CLA	CMB-C2B-C3B	2.57	132.59	126.55
19	b	4010	BCR	C27-C26-C25	2.57	126.17	122.70
16	Z	512	CLA	C3B-C4B-NB	-2.57	108.24	110.53
16	p	515	CLA	O2D-CGD-O1D	-2.57	118.86	123.85
16	W	504	CLA	O2D-CGD-O1D	-2.56	118.86	123.85
19	h	603	BCR	C29-C30-C25	2.56	114.16	110.44
19	n	601	BCR	C15-C14-C13	-2.56	123.68	127.28
16	H	1125	CLA	O2D-CGD-O1D	-2.56	118.86	123.85
19	m	4021	BCR	C24-C23-C22	-2.56	122.44	126.23
19	B	4006	BCR	C40-C30-C25	2.56	114.26	110.24
19	A	4001	BCR	C28-C27-C26	-2.56	109.49	114.06
16	n	505	CLA	O2D-CGD-O1D	-2.56	118.86	123.85
19	a	4001	BCR	C28-C27-C26	-2.56	109.49	114.06
19	H	4001	BCR	C28-C27-C26	-2.56	109.49	114.06
16	W	503	CLA	C3B-C4B-NB	-2.56	108.24	110.53
16	a	1127	CLA	C3B-C4B-NB	-2.56	108.24	110.53
16	o	506	CLA	C3B-C4B-NB	-2.56	108.24	110.53
19	W	601	BCR	C15-C16-C17	-2.56	118.28	123.52
19	G	4010	BCR	C27-C26-C25	2.56	126.17	122.70
19	t	601	BCR	C24-C23-C22	-2.56	122.45	126.23
16	A	1127	CLA	C3B-C4B-NB	-2.56	108.24	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
19	r	601	BCR	C29-C30-C25	2.56	114.16	110.44
16	g	502	CLA	O2D-CGD-O1D	-2.56	118.87	123.85
19	o	603	BCR	C3-C4-C5	-2.56	109.49	114.06
19	I	4018	BCR	C27-C26-C25	2.56	126.16	122.70
16	B	1012	CLA	OBD-CAD-C3D	2.56	134.40	128.42
16	g	506	CLA	CAA-C2A-C3A	-2.56	106.09	113.00
16	x	502	CLA	O2D-CGD-O1D	-2.56	118.87	123.85
16	t	514	CLA	C3B-C4B-NB	-2.56	108.25	110.53
16	u	502	CLA	O2A-CGA-O1A	-2.56	117.23	123.63
19	R	4018	BCR	C27-C26-C25	2.56	126.16	122.70
19	b	4005	BCR	C29-C30-C25	2.56	114.15	110.44
16	A	1112	CLA	C3B-C4B-NB	-2.56	108.25	110.53
16	q	502	CLA	CAA-C2A-C3A	-2.56	106.09	113.00
16	b	1012	CLA	OBD-CAD-C3D	2.56	134.39	128.42
19	q	604	BCR	C3-C4-C5	-2.56	109.50	114.06
19	G	4005	BCR	C29-C30-C25	2.55	114.15	110.44
19	h	603	BCR	C24-C23-C22	-2.55	122.46	126.23
16	o	517	CLA	CMB-C2B-C1B	-2.55	121.53	125.42
19	j	4012	BCR	C24-C23-C22	-2.55	122.46	126.23
16	A	1125	CLA	O2D-CGD-O1D	-2.55	118.88	123.85
19	s	602	BCR	C15-C14-C13	-2.55	123.70	127.28
19	A	4007	BCR	C28-C27-C26	-2.55	109.50	114.06
19	u	603	BCR	C3-C4-C5	-2.55	109.51	114.06
19	H	4002	BCR	C27-C26-C25	2.55	126.15	122.70
16	G	1012	CLA	OBD-CAD-C3D	2.55	134.37	128.42
19	p	603	BCR	C3-C4-C5	-2.55	109.51	114.06
16	r	511	CLA	C3B-C4B-NB	-2.55	108.25	110.53
19	G	4010	BCR	C15-C14-C13	-2.55	123.70	127.28
16	Y	515	CLA	CAA-C2A-C3A	-2.55	106.11	113.00
16	b	1207	CLA	O2A-CGA-O1A	-2.55	117.25	123.63
19	H	4007	BCR	C28-C27-C26	-2.55	109.51	114.06
16	Z	502	CLA	CAA-C2A-C3A	-2.55	106.12	113.00
19	y	601	BCR	C24-C23-C22	-2.55	122.47	126.23
16	G	1207	CLA	O2A-CGA-O1A	-2.55	117.26	123.63
16	B	1207	CLA	O2A-CGA-O1A	-2.55	117.26	123.63
19	M	4021	BCR	C24-C23-C22	-2.55	122.47	126.23
16	a	1013	CLA	O2D-CGD-O1D	-2.55	118.89	123.85
16	a	1122	CLA	O2D-CGD-O1D	-2.54	118.89	123.85
16	Z	511	CLA	CMB-C2B-C3B	2.54	132.53	126.55
16	A	1120	CLA	C3B-C4B-NB	-2.54	108.26	110.53
16	A	1122	CLA	O2D-CGD-O1D	-2.54	118.90	123.85
19	s	601	BCR	C15-C16-C17	-2.54	118.32	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	y	513	CLA	O2D-CGD-O1D	-2.54	118.90	123.85
19	J	4012	BCR	C24-C23-C22	-2.54	122.47	126.23
16	W	501	CLA	O2D-CGD-O1D	-2.54	118.90	123.85
16	f	1301	CLA	O2D-CGD-O1D	-2.54	118.90	123.85
19	U	4022	BCR	C20-C21-C22	-2.54	123.72	127.28
19	s	602	BCR	C11-C10-C9	-2.54	123.72	127.28
19	A	4002	BCR	C27-C26-C25	2.54	126.14	122.70
19	G	4009	BCR	C15-C16-C17	-2.54	118.32	123.52
19	h	602	BCR	C15-C14-C13	-2.54	123.72	127.28
19	w	604	BCR	C11-C10-C9	-2.54	123.72	127.28
19	w	602	BCR	C15-C16-C17	-2.54	118.32	123.52
16	A	1107	CLA	C3B-C4B-NB	-2.54	108.26	110.53
19	q	603	BCR	C11-C10-C9	-2.54	123.72	127.28
19	x	602	BCR	C2-C1-C6	2.54	114.12	110.44
16	B	1235	CLA	CMB-C2B-C3B	2.54	132.52	126.55
16	A	1129	CLA	CAA-C2A-C3A	-2.54	106.14	113.00
19	p	601	BCR	C28-C27-C26	-2.54	109.53	114.06
16	r	516	CLA	C3B-C4B-NB	-2.54	108.27	110.53
16	H	1112	CLA	C3B-C4B-NB	-2.54	108.27	110.53
16	u	504	CLA	C3B-C4B-NB	-2.54	108.27	110.53
19	g	602	BCR	C2-C1-C6	2.54	114.12	110.44
16	w	502	CLA	CHB-C4A-NA	2.54	128.06	124.40
16	w	506	CLA	C3B-C4B-NB	-2.54	108.27	110.53
16	L	1502	CLA	O2A-CGA-O1A	-2.53	117.29	123.63
19	j	4015	BCR	C33-C5-C6	-2.53	121.72	124.48
19	S	4012	BCR	C24-C23-C22	-2.53	122.49	126.23
19	a	4007	BCR	C28-C27-C26	-2.53	109.54	114.06
16	l	1502	CLA	O2A-CGA-O1A	-2.53	117.30	123.63
16	w	505	CLA	C3B-C4B-NB	-2.53	108.27	110.53
16	Y	509	CLA	CMB-C2B-C1B	-2.53	121.57	125.42
16	t	511	CLA	CMB-C2B-C1B	-2.53	121.57	125.42
16	r	501	CLA	CAA-C2A-C3A	-2.53	106.17	113.00
19	X	604	BCR	C3-C4-C5	-2.53	109.55	114.06
16	G	1235	CLA	CMB-C2B-C3B	2.53	132.50	126.55
16	H	1013	CLA	O2D-CGD-O1D	-2.53	118.93	123.85
16	l	1503	CLA	CMB-C2B-C1B	-2.53	121.57	125.42
16	t	510	CLA	O2D-CGD-O1D	-2.53	118.93	123.85
19	q	603	BCR	C29-C30-C25	2.53	114.11	110.44
19	q	602	BCR	C15-C16-C17	-2.52	118.35	123.52
16	A	1013	CLA	O2D-CGD-O1D	-2.52	118.94	123.85
16	h	504	CLA	C3B-C4B-NB	-2.52	108.28	110.53
16	x	515	CLA	O2D-CGD-O1D	-2.52	118.94	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	H	1129	CLA	CAA-C2A-C3A	-2.52	106.18	113.00
16	U	1502	CLA	O2A-CGA-O1A	-2.52	117.32	123.63
16	b	1235	CLA	CMB-C2B-C3B	2.52	132.48	126.55
19	B	4010	BCR	C27-C26-C25	2.52	126.11	122.70
16	A	1116	CLA	CMB-C2B-C1B	-2.52	121.58	125.42
16	b	1215	CLA	CMB-C2B-C1B	-2.52	121.58	125.42
16	q	516	CLA	CHB-C4A-NA	2.52	128.04	124.40
16	o	512	CLA	CMB-C2B-C1B	-2.52	121.58	125.42
16	W	506	CLA	C3B-C4B-NB	-2.52	108.28	110.53
16	b	1229	CLA	O2A-CGA-O1A	-2.52	117.33	123.63
16	t	502	CLA	CBC-CAC-C3C	-2.52	105.59	112.42
19	u	603	BCR	C15-C14-C13	-2.52	123.75	127.28
16	a	1128	CLA	CAA-C2A-C3A	-2.52	106.19	113.00
19	r	604	BCR	C29-C30-C25	2.52	114.10	110.44
16	a	1129	CLA	CAA-C2A-C3A	-2.52	106.19	113.00
19	a	4002	BCR	C27-C26-C25	2.52	126.10	122.70
19	b	4009	BCR	C15-C16-C17	-2.52	118.37	123.52
16	A	1128	CLA	CAA-C2A-C3A	-2.52	106.20	113.00
19	t	601	BCR	C29-C30-C25	2.51	114.09	110.44
16	H	1116	CLA	CMB-C2B-C1B	-2.51	121.59	125.42
16	a	1117	CLA	C3B-C4B-NB	-2.51	108.29	110.53
16	v	504	CLA	C3B-C4B-NB	-2.51	108.29	110.53
19	B	4009	BCR	C15-C16-C17	-2.51	118.38	123.52
19	X	602	BCR	C27-C26-C25	2.51	126.10	122.70
16	g	504	CLA	O2D-CGD-O1D	-2.51	118.96	123.85
16	H	1128	CLA	CAA-C2A-C3A	-2.51	106.21	113.00
16	B	1215	CLA	CMB-C2B-C1B	-2.51	121.60	125.42
16	s	501	CLA	CAA-C2A-C3A	-2.51	106.22	113.00
19	b	4005	BCR	C15-C14-C13	-2.51	123.76	127.28
19	j	4015	BCR	C27-C26-C25	2.51	126.09	122.70
16	B	1229	CLA	O2A-CGA-O1A	-2.51	117.35	123.63
19	H	4001	BCR	C11-C10-C9	-2.51	123.76	127.28
19	t	601	BCR	C15-C16-C17	-2.51	118.39	123.52
16	H	1130	CLA	CMB-C2B-C3B	2.51	132.45	126.55
16	r	512	CLA	C3B-C4B-NB	-2.51	108.29	110.53
16	a	1130	CLA	CMB-C2B-C3B	2.51	132.45	126.55
16	a	1116	CLA	CMB-C2B-C1B	-2.51	121.60	125.42
16	q	502	CLA	C1-C2-C3	-2.51	122.71	126.76
19	r	604	BCR	C15-C16-C17	-2.50	118.40	123.52
16	v	511	CLA	C3B-C4B-NB	-2.50	108.30	110.53
16	H	1118	CLA	CAA-C2A-C3A	-2.50	106.23	113.00
19	x	603	BCR	C15-C16-C17	-2.50	118.40	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	H	1102	CLA	C2A-C1A-CHA	2.50	128.21	123.87
19	X	603	BCR	C29-C30-C25	2.50	114.07	110.44
16	Y	504	CLA	O2D-CGD-O1D	-2.50	118.98	123.85
19	G	4005	BCR	C37-C22-C21	-2.50	118.76	122.82
19	v	603	BCR	C29-C30-C25	2.50	114.07	110.44
16	h	511	CLA	C3B-C4B-NB	-2.50	108.30	110.53
19	b	4010	BCR	C40-C30-C25	2.50	114.16	110.24
19	X	604	BCR	C11-C10-C9	-2.50	123.77	127.28
16	y	511	CLA	CMB-C2B-C3B	2.50	132.43	126.55
19	g	604	BCR	C29-C30-C25	2.50	114.07	110.44
19	B	4010	BCR	C40-C30-C25	2.50	114.16	110.24
19	H	4011	BCR	C2-C1-C6	2.50	114.07	110.44
13	I	103	LHG	C11-C10-C9	-2.50	101.74	114.37
19	a	4011	BCR	C2-C1-C6	2.50	114.07	110.44
19	G	4010	BCR	C40-C30-C25	2.50	114.16	110.24
16	B	1023	CLA	O2D-CGD-O1D	-2.50	118.99	123.85
19	R	4018	BCR	C11-C10-C9	-2.50	123.78	127.28
16	G	1229	CLA	O2A-CGA-O1A	-2.50	117.39	123.63
19	w	602	BCR	C24-C23-C22	-2.49	122.54	126.23
19	p	602	BCR	C11-C10-C9	-2.49	123.78	127.28
16	a	1102	CLA	C2A-C1A-CHA	2.49	128.20	123.87
16	A	1130	CLA	CMB-C2B-C3B	2.49	132.42	126.55
19	B	4005	BCR	C37-C22-C21	-2.49	118.78	122.82
19	B	4005	BCR	C15-C14-C13	-2.49	123.78	127.28
16	X	512	CLA	C3B-C4B-NB	-2.49	108.31	110.53
19	p	604	BCR	C3-C4-C5	-2.49	109.61	114.06
16	A	1118	CLA	CAA-C2A-C3A	-2.49	106.27	113.00
19	g	602	BCR	C15-C16-C17	-2.49	118.42	123.52
19	I	4018	BCR	C11-C10-C9	-2.49	123.78	127.28
19	s	604	BCR	C3-C4-C5	-2.49	109.61	114.06
16	b	1219	CLA	C3B-C4B-NB	-2.49	108.31	110.53
16	G	1211	CLA	CMB-C2B-C1B	-2.49	121.63	125.42
16	n	514	CLA	C3B-C4B-NB	-2.49	108.31	110.53
13	R	103	LHG	C11-C10-C9	-2.49	101.78	114.37
19	x	601	BCR	C28-C27-C26	-2.49	109.62	114.06
16	g	513	CLA	CAA-C2A-C3A	-2.49	106.27	113.00
16	H	1123	CLA	CAA-C2A-C3A	-2.49	106.27	113.00
19	F	4016	BCR	C15-C16-C17	-2.49	118.43	123.52
16	G	1219	CLA	C3B-C4B-NB	-2.49	108.31	110.53
16	t	516	CLA	C3B-C4B-NB	-2.49	108.31	110.53
16	a	1132	CLA	O2D-CGD-CBD	2.49	115.58	111.23
19	Z	602	BCR	C24-C23-C22	-2.49	122.56	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
19	L	4022	BCR	C20-C21-C22	-2.49	123.79	127.28
16	A	1102	CLA	C2A-C1A-CHA	2.49	128.18	123.87
19	A	4011	BCR	C2-C1-C6	2.49	114.05	110.44
16	H	1132	CLA	O2D-CGD-CBD	2.49	115.58	111.23
19	h	601	BCR	C11-C10-C9	-2.49	123.79	127.28
19	G	4005	BCR	C15-C14-C13	-2.49	123.79	127.28
19	S	4015	BCR	C33-C5-C6	-2.49	121.77	124.48
13	i	103	LHG	C11-C10-C9	-2.49	101.80	114.37
19	u	601	BCR	C24-C23-C22	-2.49	122.56	126.23
16	q	517	CLA	CMB-C2B-C3B	2.49	132.40	126.55
16	H	1113	CLA	C2A-C1A-CHA	2.49	128.18	123.87
16	B	1211	CLA	CMB-C2B-C1B	-2.49	121.63	125.42
16	Z	506	CLA	C3B-C4B-NB	-2.49	108.31	110.53
16	B	1221	CLA	CMB-C2B-C1B	-2.49	121.64	125.42
19	A	4007	BCR	C15-C14-C13	-2.48	123.79	127.28
16	A	1136	CLA	CHB-C4A-NA	2.48	127.99	124.40
19	s	603	BCR	C3-C4-C5	-2.48	109.62	114.06
16	A	1123	CLA	CAA-C2A-C3A	-2.48	106.29	113.00
16	a	1118	CLA	CAA-C2A-C3A	-2.48	106.29	113.00
16	G	1215	CLA	CMB-C2B-C1B	-2.48	121.64	125.42
16	g	501	CLA	CAA-C2A-C3A	-2.48	106.29	113.00
16	g	516	CLA	C3B-C4B-NB	-2.48	108.31	110.53
16	A	1125	CLA	CMB-C2B-C3B	2.48	132.39	126.55
19	t	603	BCR	C3-C4-C5	-2.48	109.63	114.06
19	X	602	BCR	C11-C10-C9	-2.48	123.80	127.28
16	B	1211	CLA	CAA-C2A-C3A	-2.48	106.29	113.00
19	S	4013	BCR	C31-C1-C6	2.48	114.13	110.24
16	p	501	CLA	CAA-C2A-C3A	-2.48	106.30	113.00
16	a	1120	CLA	C3B-C4B-NB	-2.48	108.32	110.53
19	b	4005	BCR	C37-C22-C21	-2.48	118.80	122.82
19	f	4016	BCR	C15-C16-C17	-2.48	118.44	123.52
19	h	601	BCR	C28-C27-C26	-2.48	109.63	114.06
16	G	1012	CLA	C4D-C3D-CAD	-2.48	105.41	108.11
19	q	602	BCR	C24-C23-C22	-2.48	122.57	126.23
19	S	4015	BCR	C27-C26-C25	2.48	126.05	122.70
19	Y	603	BCR	C29-C30-C25	2.48	114.04	110.44
16	G	1221	CLA	CMB-C2B-C1B	-2.48	121.64	125.42
16	x	511	CLA	CMB-C2B-C1B	-2.48	121.64	125.42
16	G	1211	CLA	CAA-C2A-C3A	-2.48	106.30	113.00
19	J	4015	BCR	C27-C26-C25	2.48	126.05	122.70
19	J	4015	BCR	C33-C5-C6	-2.48	121.78	124.48
19	x	601	BCR	C29-C30-C25	2.48	114.04	110.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	g	506	CLA	CHB-C4A-NA	2.48	127.97	124.40
19	w	601	BCR	C27-C26-C25	2.48	126.05	122.70
19	H	4011	BCR	C40-C30-C25	2.48	114.13	110.24
19	Q	4016	BCR	C15-C16-C17	-2.48	118.45	123.52
17	b	2002	PQN	C14-C13-C15	2.47	119.52	115.23
16	H	1125	CLA	CMB-C2B-C3B	2.47	132.37	126.55
19	o	601	BCR	C24-C23-C22	-2.47	122.57	126.23
16	A	1117	CLA	C3B-C4B-NB	-2.47	108.32	110.53
16	G	1023	CLA	O2D-CGD-O1D	-2.47	119.03	123.85
19	p	601	BCR	C15-C16-C17	-2.47	118.46	123.52
16	a	1125	CLA	CMB-C2B-C3B	2.47	132.37	126.55
16	s	510	CLA	C3B-C4B-NB	-2.47	108.32	110.53
19	y	604	BCR	C24-C23-C22	-2.47	122.58	126.23
13	a	851	LHG	C11-C10-C9	-2.47	101.87	114.37
19	g	602	BCR	C15-C14-C13	-2.47	123.81	127.28
19	q	602	BCR	C15-C14-C13	-2.47	123.81	127.28
19	J	4013	BCR	C31-C1-C6	2.47	114.12	110.24
16	b	1211	CLA	CAA-C2A-C3A	-2.47	106.32	113.00
16	G	1219	CLA	CAA-C2A-C3A	-2.47	106.32	113.00
16	p	510	CLA	C3B-C4B-NB	-2.47	108.33	110.53
19	v	602	BCR	C24-C23-C22	-2.47	122.58	126.23
19	a	4007	BCR	C15-C14-C13	-2.47	123.81	127.28
16	b	1215	CLA	C3B-C4B-NB	-2.47	108.33	110.53
16	b	1219	CLA	CAA-C2A-C3A	-2.47	106.33	113.00
19	a	4011	BCR	C40-C30-C25	2.47	114.11	110.24
19	x	601	BCR	C15-C16-C17	-2.47	118.47	123.52
16	b	1221	CLA	CMB-C2B-C1B	-2.47	121.66	125.42
16	b	1023	CLA	O2D-CGD-O1D	-2.47	119.04	123.85
16	A	1113	CLA	C3B-C4B-NB	-2.47	108.33	110.53
16	A	1132	CLA	O2D-CGD-CBD	2.47	115.54	111.23
19	q	601	BCR	C27-C26-C25	2.47	126.04	122.70
19	o	604	BCR	C11-C10-C9	-2.47	123.82	127.28
16	H	1127	CLA	O2D-CGD-O1D	-2.47	119.05	123.85
16	Y	506	CLA	O2A-CGA-O1A	-2.47	117.46	123.63
19	A	4011	BCR	C40-C30-C25	2.47	114.11	110.24
16	v	507	CLA	CAA-C2A-C3A	-2.47	106.34	113.00
16	B	1219	CLA	CAA-C2A-C3A	-2.47	106.34	113.00
19	M	4021	BCR	C29-C30-C25	2.47	114.02	110.44
19	i	4018	BCR	C11-C10-C9	-2.46	123.82	127.28
16	B	1218	CLA	O2D-CGD-CBD	2.46	115.54	111.23
16	n	512	CLA	C3B-C4B-NB	-2.46	108.33	110.53
16	H	1120	CLA	C3B-C4B-NB	-2.46	108.33	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
19	Z	601	BCR	C27-C26-C25	2.46	126.03	122.70
19	r	602	BCR	C15-C16-C17	-2.46	118.48	123.52
19	y	602	BCR	C15-C14-C13	-2.46	123.82	127.28
13	A	851	LHG	C11-C10-C9	-2.46	101.92	114.37
16	H	1131	CLA	C1-C2-C3	-2.46	122.16	126.20
19	v	604	BCR	C7-C8-C9	-2.46	122.59	126.23
16	A	1119	CLA	O2D-CGD-CBD	2.46	115.54	111.23
16	n	506	CLA	O2A-CGA-O1A	-2.46	117.47	123.63
16	Z	515	CLA	CAA-C2A-C3A	-2.46	106.34	113.00
17	B	2002	PQN	C14-C13-C15	2.46	119.50	115.23
16	a	1123	CLA	CAA-C2A-C3A	-2.46	106.35	113.00
19	o	604	BCR	C15-C14-C13	-2.46	123.83	127.28
16	X	506	CLA	C3B-C4B-NB	-2.46	108.33	110.53
19	w	602	BCR	C15-C14-C13	-2.46	123.83	127.28
13	H	851	LHG	C11-C10-C9	-2.46	101.93	114.37
19	Y	603	BCR	C3-C4-C5	-2.46	109.67	114.06
19	j	4012	BCR	C15-C14-C13	-2.46	123.83	127.28
16	x	505	CLA	CAA-C2A-C3A	-2.46	106.36	113.00
19	l	4022	BCR	C20-C21-C22	-2.46	123.83	127.28
19	v	601	BCR	C28-C27-C26	-2.46	109.67	114.06
19	v	604	BCR	C15-C14-C13	-2.46	123.83	127.28
16	a	1127	CLA	O2D-CGD-O1D	-2.46	119.06	123.85
16	b	1211	CLA	CMB-C2B-C1B	-2.46	121.68	125.42
16	H	1022	CLA	CAA-C2A-C3A	-2.46	106.36	113.00
16	q	512	CLA	CMB-C2B-C3B	2.46	132.33	126.55
16	a	1136	CLA	CHB-C4A-NA	2.46	127.95	124.40
16	w	512	CLA	CMB-C2B-C3B	2.46	132.33	126.55
16	B	1219	CLA	C3B-C4B-NB	-2.46	108.34	110.53
16	h	506	CLA	C3B-C4B-NB	-2.46	108.34	110.53
16	p	510	CLA	CAA-C2A-C3A	-2.45	106.36	113.00
16	b	1012	CLA	C4D-C3D-CAD	-2.45	105.44	108.11
16	a	1119	CLA	O2D-CGD-CBD	2.45	115.52	111.23
16	y	511	CLA	CAA-C2A-C3A	-2.45	106.37	113.00
16	G	1218	CLA	O2D-CGD-CBD	2.45	115.52	111.23
16	A	1022	CLA	CAA-C2A-C3A	-2.45	106.37	113.00
16	A	1237	CLA	C3B-C4B-NB	-2.45	108.34	110.53
16	g	512	CLA	C3B-C4B-NB	-2.45	108.34	110.53
16	B	1012	CLA	C4D-C3D-CAD	-2.45	105.44	108.11
14	H	4101	LMG	C38-C37-C36	-2.45	101.97	114.37
16	a	1113	CLA	C2A-C1A-CHA	2.45	128.12	123.87
19	a	4001	BCR	C11-C10-C9	-2.45	123.84	127.28
19	H	4007	BCR	C15-C14-C13	-2.45	123.84	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	k	1401	CLA	CAA-C2A-C3A	-2.45	106.38	113.00
19	B	4014	BCR	C27-C26-C25	2.45	126.02	122.70
16	a	1022	CLA	CAA-C2A-C3A	-2.45	106.38	113.00
16	K	1401	CLA	CAA-C2A-C3A	-2.45	106.38	113.00
19	A	4001	BCR	C11-C10-C9	-2.45	123.84	127.28
19	S	4012	BCR	C15-C14-C13	-2.45	123.84	127.28
16	x	516	CLA	CMB-C2B-C1B	-2.45	121.69	125.42
16	f	1301	CLA	C3B-C4B-NB	-2.45	108.34	110.53
19	Y	602	BCR	C11-C10-C9	-2.45	123.84	127.28
19	B	4006	BCR	C15-C14-C13	-2.45	123.74	127.48
16	Y	517	CLA	CMB-C2B-C3B	2.45	132.31	126.55
14	a	4101	LMG	O6-C1-O1	-2.45	104.26	110.04
14	A	4101	LMG	C38-C37-C36	-2.45	102.00	114.37
19	x	604	BCR	C29-C30-C25	2.45	113.99	110.44
19	r	601	BCR	C15-C16-C17	-2.45	118.51	123.52
16	B	1235	CLA	O2A-CGA-O1A	-2.45	117.51	123.63
16	A	1127	CLA	O2D-CGD-O1D	-2.45	119.08	123.85
16	H	1136	CLA	CHB-C4A-NA	2.45	127.93	124.40
19	j	4013	BCR	C31-C1-C6	2.45	114.08	110.24
16	a	1123	CLA	CMB-C2B-C1B	-2.45	121.69	125.42
19	y	601	BCR	C29-C30-C25	2.45	113.99	110.44
16	r	514	CLA	CMB-C2B-C1B	-2.45	121.70	125.42
16	A	1113	CLA	C2A-C1A-CHA	2.44	128.11	123.87
16	t	506	CLA	O2A-CGA-O1A	-2.44	117.51	123.63
14	a	4101	LMG	C38-C37-C36	-2.44	102.01	114.37
19	y	601	BCR	C11-C10-C9	-2.44	123.85	127.28
19	W	603	BCR	C3-C4-C5	-2.44	109.70	114.06
19	p	604	BCR	C15-C14-C13	-2.44	123.85	127.28
16	q	509	CLA	CAA-C2A-C3A	-2.44	106.40	113.00
16	a	1237	CLA	C3B-C4B-NB	-2.44	108.35	110.53
16	b	1235	CLA	O2A-CGA-O1A	-2.44	117.52	123.63
19	y	601	BCR	C28-C27-C26	-2.44	109.70	114.06
19	V	4021	BCR	C29-C30-C25	2.44	113.99	110.44
17	G	2002	PQN	C14-C13-C15	2.44	119.47	115.23
19	I	4020	BCR	C27-C26-C25	2.44	126.00	122.70
19	R	4020	BCR	C27-C26-C25	2.44	126.00	122.70
16	B	1234	CLA	C2A-C1A-CHA	2.44	128.10	123.87
16	T	1401	CLA	CAA-C2A-C3A	-2.44	106.41	113.00
16	q	501	CLA	CAA-C2A-C3A	-2.44	106.41	113.00
19	v	601	BCR	C11-C10-C9	-2.44	123.86	127.28
19	o	602	BCR	C11-C10-C9	-2.44	123.86	127.28
16	b	1224	CLA	C2A-C1A-CHA	2.44	128.09	123.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	a	1106	CLA	O2D-CGD-CBD	2.43	115.49	111.23
19	B	4010	BCR	C15-C16-C17	-2.43	118.54	123.52
16	s	506	CLA	O2A-CGA-O1A	-2.43	117.54	123.63
19	b	4006	BCR	C15-C14-C13	-2.43	123.76	127.48
16	w	517	CLA	CMB-C2B-C3B	2.43	132.27	126.55
16	a	1138	CLA	O2A-CGA-O1A	-2.43	117.54	123.63
16	x	511	CLA	C3B-C4B-NB	-2.43	108.36	110.53
16	G	1235	CLA	O2A-CGA-O1A	-2.43	117.54	123.63
16	b	1218	CLA	O2D-CGD-CBD	2.43	115.48	111.23
16	H	1106	CLA	O2D-CGD-CBD	2.43	115.48	111.23
19	J	4012	BCR	C15-C14-C13	-2.43	123.87	127.28
16	n	515	CLA	CAA-C2A-C3A	-2.43	106.43	113.00
16	r	503	CLA	CAA-C2A-C3A	-2.43	106.43	113.00
16	H	1117	CLA	C3B-C4B-NB	-2.43	108.36	110.53
16	y	515	CLA	O2A-CGA-O1A	-2.43	117.55	123.63
16	A	1123	CLA	CMB-C2B-C1B	-2.43	121.72	125.42
16	G	1234	CLA	C2A-C1A-CHA	2.43	128.08	123.87
19	q	604	BCR	C11-C10-C9	-2.43	123.87	127.28
19	r	603	BCR	C24-C23-C22	-2.43	122.64	126.23
16	A	1138	CLA	O2A-CGA-O1A	-2.43	117.56	123.63
16	s	516	CLA	CMB-C2B-C1B	-2.43	121.72	125.42
14	A	4101	LMG	O6-C1-O1	-2.43	104.31	110.04
14	H	4101	LMG	O6-C1-O1	-2.43	104.31	110.04
16	W	501	CLA	CAA-C2A-C3A	-2.43	106.44	113.00
16	H	1124	CLA	O2D-CGD-O1D	-2.43	119.12	123.85
16	H	1113	CLA	C3B-C4B-NB	-2.43	108.36	110.53
16	H	1123	CLA	CMB-C2B-C1B	-2.43	121.72	125.42
19	u	602	BCR	C11-C10-C9	-2.43	123.88	127.28
19	G	4010	BCR	C15-C16-C17	-2.43	118.56	123.52
16	t	503	CLA	C3B-C4B-NB	-2.43	108.36	110.53
16	u	506	CLA	C3B-C4B-NB	-2.43	108.36	110.53
19	x	604	BCR	C24-C23-C22	-2.42	122.65	126.23
16	G	1021	CLA	O2D-CGD-O1D	-2.42	119.13	123.85
19	h	604	BCR	C15-C14-C13	-2.42	123.88	127.28
19	b	4010	BCR	C15-C16-C17	-2.42	118.56	123.52
16	A	1131	CLA	C1-C2-C3	-2.42	122.23	126.20
16	n	510	CLA	O2D-CGD-CBD	2.42	115.47	111.23
19	h	602	BCR	C24-C23-C22	-2.42	122.65	126.23
19	v	602	BCR	C15-C14-C13	-2.42	123.88	127.28
19	i	4020	BCR	C27-C26-C25	2.42	125.98	122.70
19	I	4020	BCR	C15-C14-C13	-2.42	123.88	127.28
19	G	4006	BCR	C15-C14-C13	-2.42	123.78	127.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
19	l	4022	BCR	C11-C10-C9	-2.42	123.88	127.28
16	G	1212	CLA	CAA-C2A-C3A	-2.42	106.46	113.00
14	H	852	LMG	C38-C37-C36	-2.42	102.13	114.37
19	m	4021	BCR	C29-C30-C25	2.42	113.96	110.44
19	U	4022	BCR	C29-C30-C25	2.42	113.96	110.44
19	q	601	BCR	C24-C23-C22	-2.42	122.66	126.23
19	b	4014	BCR	C27-C26-C25	2.42	125.97	122.70
16	w	509	CLA	CAA-C2A-C3A	-2.42	106.46	113.00
16	H	1119	CLA	O2D-CGD-CBD	2.42	115.46	111.23
16	B	1023	CLA	CAC-C3C-C2C	-2.42	123.11	127.56
16	n	511	CLA	CMB-C2B-C1B	-2.42	121.74	125.42
16	a	1124	CLA	O2D-CGD-O1D	-2.42	119.14	123.85
16	G	1215	CLA	C3B-C4B-NB	-2.42	108.37	110.53
19	n	603	BCR	C3-C4-C5	-2.42	109.74	114.06
16	X	506	CLA	O2A-CGA-O1A	-2.42	117.58	123.63
16	Z	509	CLA	CMB-C2B-C1B	-2.42	121.74	125.42
19	R	4020	BCR	C15-C14-C13	-2.42	123.89	127.28
14	A	852	LMG	C38-C37-C36	-2.42	102.15	114.37
14	a	852	LMG	C38-C37-C36	-2.42	102.15	114.37
16	b	1212	CLA	CAA-C2A-C3A	-2.42	106.47	113.00
16	a	1103	CLA	C3B-C4B-NB	-2.42	108.37	110.53
16	H	1138	CLA	O2A-CGA-O1A	-2.42	117.58	123.63
16	b	1023	CLA	CAC-C3C-C2C	-2.42	123.12	127.56
16	G	1224	CLA	C2A-C1A-CHA	2.42	128.06	123.87
16	X	502	CLA	O2A-CGA-O1A	-2.42	117.58	123.63
19	L	4022	BCR	C11-C10-C9	-2.42	123.89	127.28
19	G	4009	BCR	C3-C4-C5	-2.42	109.75	114.06
19	u	602	BCR	C3-C4-C5	-2.42	109.75	114.06
16	b	1021	CLA	O2D-CGD-O1D	-2.41	119.15	123.85
16	q	505	CLA	C3B-C4B-NB	-2.41	108.38	110.53
19	g	604	BCR	C24-C23-C22	-2.41	122.66	126.23
19	l	4022	BCR	C29-C30-C25	2.41	113.94	110.44
16	p	509	CLA	CMB-C2B-C1B	-2.41	121.74	125.42
19	o	602	BCR	C3-C4-C5	-2.41	109.75	114.06
16	B	1224	CLA	C2A-C1A-CHA	2.41	128.06	123.87
19	W	603	BCR	C24-C23-C22	-2.41	122.67	126.23
16	B	1021	CLA	O2D-CGD-O1D	-2.41	119.15	123.85
16	t	503	CLA	CMB-C2B-C3B	2.41	132.22	126.55
19	i	4020	BCR	C15-C14-C13	-2.41	123.89	127.28
19	x	604	BCR	C15-C14-C13	-2.41	123.89	127.28
16	b	1234	CLA	C2A-C1A-CHA	2.41	128.05	123.87
16	b	1226	CLA	C2D-C1D-ND	-2.41	107.74	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	Y	517	CLA	CAA-C2A-C3A	-2.41	106.48	113.00
16	H	1237	CLA	CAA-CBA-CGA	-2.41	106.36	113.21
19	o	601	BCR	C28-C27-C26	-2.41	109.76	114.06
16	A	1237	CLA	CAA-CBA-CGA	-2.41	106.37	113.21
16	W	515	CLA	CAA-C2A-C3A	-2.41	106.49	113.00
16	a	1113	CLA	C3B-C4B-NB	-2.41	108.38	110.53
16	H	1237	CLA	C3B-C4B-NB	-2.41	108.38	110.53
16	x	512	CLA	C3B-C4B-NB	-2.41	108.38	110.53
16	Z	509	CLA	CAA-C2A-C3A	-2.41	106.49	113.00
19	G	4014	BCR	C27-C26-C25	2.41	125.96	122.70
16	a	1131	CLA	C1-C2-C3	-2.41	122.25	126.20
19	g	604	BCR	C28-C27-C26	-2.41	109.76	114.06
16	A	1106	CLA	O2D-CGD-CBD	2.41	115.44	111.23
19	X	603	BCR	C24-C23-C22	-2.41	122.68	126.23
19	r	604	BCR	C24-C23-C22	-2.41	122.68	126.23
16	F	1301	CLA	C3B-C4B-NB	-2.41	108.38	110.53
16	q	510	CLA	O2D-CGD-CBD	2.40	115.43	111.23
16	A	1402	CLA	CAA-C2A-C3A	-2.40	106.50	113.00
16	Y	501	CLA	CAA-C2A-C3A	-2.40	106.50	113.00
19	A	4011	BCR	C7-C8-C9	-2.40	122.68	126.23
19	b	4006	BCR	C35-C13-C12	2.40	120.12	114.59
19	X	601	BCR	C24-C23-C22	-2.40	122.68	126.23
19	U	4022	BCR	C11-C10-C9	-2.40	123.91	127.28
16	u	512	CLA	C3B-C4B-NB	-2.40	108.39	110.53
19	S	4013	BCR	C15-C16-C17	-2.40	118.60	123.52
16	v	502	CLA	CAA-C2A-C3A	-2.40	106.51	113.00
19	B	4006	BCR	C35-C13-C12	2.40	120.11	114.59
16	A	1125	CLA	CAA-C2A-C3A	-2.40	106.51	113.00
16	s	509	CLA	CMB-C2B-C1B	-2.40	121.76	125.42
16	r	505	CLA	CAA-C2A-C3A	-2.40	106.51	113.00
19	Y	602	BCR	C27-C26-C25	2.40	125.95	122.70
16	t	511	CLA	C3B-C4B-NB	-2.40	108.39	110.53
16	Q	1301	CLA	C3B-C4B-NB	-2.40	108.39	110.53
19	g	601	BCR	C28-C27-C26	-2.40	109.78	114.06
19	H	4011	BCR	C7-C8-C9	-2.40	122.68	126.23
16	p	506	CLA	O2A-CGA-O1A	-2.40	117.63	123.63
16	a	1125	CLA	CAA-C2A-C3A	-2.40	106.52	113.00
16	W	506	CLA	O2D-CGD-CBD	2.40	115.42	111.23
16	H	1402	CLA	CAA-C2A-C3A	-2.40	106.52	113.00
19	Z	602	BCR	C15-C14-C13	-2.40	123.91	127.28
16	n	503	CLA	C3B-C4B-NB	-2.40	108.39	110.53
19	r	604	BCR	C11-C10-C9	-2.40	123.92	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
19	J	4013	BCR	C15-C16-C17	-2.40	118.61	123.52
19	L	4022	BCR	C29-C30-C25	2.40	113.92	110.44
16	A	1124	CLA	O2D-CGD-O1D	-2.40	119.18	123.85
19	j	4015	BCR	C24-C23-C22	-2.40	122.69	126.23
16	a	1402	CLA	CAA-C2A-C3A	-2.40	106.53	113.00
19	G	4006	BCR	C35-C13-C12	2.40	120.10	114.59
16	W	503	CLA	CMB-C2B-C1B	-2.40	121.77	125.42
19	a	4011	BCR	C7-C8-C9	-2.39	122.69	126.23
19	a	4003	BCR	C38-C26-C27	-2.39	108.49	113.60
19	h	601	BCR	C3-C4-C5	-2.39	109.79	114.06
16	a	1237	CLA	CAA-CBA-CGA	-2.39	106.41	113.21
16	Z	512	CLA	CMB-C2B-C1B	-2.39	121.77	125.42
19	u	604	BCR	C11-C10-C9	-2.39	123.92	127.28
19	x	602	BCR	C24-C23-C22	-2.39	122.69	126.23
19	y	601	BCR	C3-C4-C5	-2.39	109.79	114.06
19	s	604	BCR	C15-C14-C13	-2.39	123.92	127.28
16	b	1221	CLA	O2A-CGA-O1A	-2.39	117.64	123.63
16	B	1212	CLA	CAA-C2A-C3A	-2.39	106.54	113.00
16	b	1240	CLA	CAA-C2A-C3A	-2.39	106.54	113.00
16	G	1240	CLA	CAA-C2A-C3A	-2.39	106.54	113.00
19	v	601	BCR	C3-C4-C5	-2.39	109.79	114.06
16	A	1107	CLA	O2D-CGD-O1D	-2.39	119.19	123.85
16	B	1226	CLA	C2D-C1D-ND	-2.39	107.76	110.13
19	n	601	BCR	C3-C4-C5	-2.39	109.79	114.06
16	G	1206	CLA	CMB-C2B-C3B	2.39	132.17	126.55
16	g	505	CLA	CAA-C2A-C3A	-2.39	106.54	113.00
19	w	604	BCR	C15-C16-C17	-2.39	118.63	123.52
16	g	511	CLA	C3B-C4B-NB	-2.39	108.40	110.53
16	H	1108	CLA	C3B-C4B-NB	-2.39	108.40	110.53
19	U	4022	BCR	C30-C25-C26	-2.39	119.37	122.64
19	j	4013	BCR	C15-C16-C17	-2.39	118.63	123.52
16	Z	502	CLA	C1-C2-C3	-2.39	122.90	126.76
16	H	1133	CLA	O2A-CGA-O1A	-2.39	117.65	123.63
19	y	602	BCR	C24-C23-C22	-2.39	122.70	126.23
19	t	601	BCR	C15-C14-C13	-2.39	123.93	127.28
16	B	1240	CLA	CAA-C2A-C3A	-2.39	106.55	113.00
16	h	515	CLA	O2A-CGA-O1A	-2.39	117.66	123.63
16	A	1108	CLA	C3B-C4B-NB	-2.39	108.40	110.53
16	G	1221	CLA	C2A-C1A-CHA	2.39	128.01	123.87
16	H	1125	CLA	CAA-C2A-C3A	-2.39	106.55	113.00
14	Y	701	LMG	O1-C7-C8	-2.38	105.02	110.82
16	B	1206	CLA	CMB-C2B-C3B	2.38	132.16	126.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	a	1107	CLA	O2D-CGD-O1D	-2.38	119.21	123.85
19	h	604	BCR	C3-C4-C5	-2.38	109.81	114.06
16	b	1203	CLA	O2A-CGA-O1A	-2.38	117.67	123.63
19	g	604	BCR	C11-C10-C9	-2.38	123.94	127.28
16	v	511	CLA	O2A-CGA-O1A	-2.38	117.67	123.63
16	A	1116	CLA	C2A-C1A-CHA	2.38	128.00	123.87
19	H	4011	BCR	C15-C16-C17	-2.38	118.64	123.52
16	v	510	CLA	CMB-C2B-C1B	-2.38	121.79	125.42
16	G	1230	CLA	C3B-C4B-NB	-2.38	108.40	110.53
13	A	849	LHG	C11-C10-C9	-2.38	102.33	114.37
16	H	1107	CLA	O2D-CGD-O1D	-2.38	119.21	123.85
16	B	1230	CLA	C3B-C4B-NB	-2.38	108.41	110.53
19	l	4022	BCR	C30-C25-C26	-2.38	119.38	122.64
19	b	4009	BCR	C3-C4-C5	-2.38	109.81	114.06
16	A	1133	CLA	O2A-CGA-O1A	-2.38	117.67	123.63
16	r	502	CLA	O2A-CGA-O1A	-2.38	117.67	123.63
19	H	4003	BCR	C38-C26-C27	-2.38	108.52	113.60
16	H	1138	CLA	CAA-C2A-C3A	-2.38	106.57	113.00
16	w	501	CLA	CAA-C2A-C3A	-2.38	106.57	113.00
16	B	1221	CLA	O2A-CGA-O1A	-2.38	117.67	123.63
19	a	4008	BCR	C29-C30-C25	2.38	113.90	110.44
19	x	602	BCR	C15-C16-C17	-2.38	118.65	123.52
16	b	1224	CLA	CMB-C2B-C1B	-2.38	121.80	125.42
16	G	1231	CLA	CMB-C2B-C1B	-2.38	121.80	125.42
16	X	511	CLA	C3B-C4B-NB	-2.38	108.41	110.53
16	G	1023	CLA	CAC-C3C-C2C	-2.38	123.19	127.56
16	G	1221	CLA	O2A-CGA-O1A	-2.38	117.68	123.63
16	G	1210	CLA	CMB-C2B-C3B	2.38	132.15	126.55
16	h	507	CLA	CAA-C2A-C3A	-2.38	106.57	113.00
13	a	849	LHG	C11-C10-C9	-2.38	102.35	114.37
19	r	604	BCR	C15-C14-C13	-2.38	123.94	127.28
19	H	4011	BCR	C27-C26-C25	2.38	125.92	122.70
16	Z	506	CLA	CAA-C2A-C3A	-2.38	106.57	113.00
16	H	1116	CLA	C2A-C1A-CHA	2.38	127.99	123.87
19	o	603	BCR	C24-C23-C22	-2.38	122.72	126.23
19	S	4015	BCR	C24-C23-C22	-2.38	122.72	126.23
19	a	4008	BCR	C33-C5-C6	-2.38	121.89	124.48
16	B	1221	CLA	C2A-C1A-CHA	2.38	127.99	123.87
16	B	1215	CLA	C3B-C4B-NB	-2.38	108.41	110.53
16	h	510	CLA	C2A-C1A-CHA	2.38	127.99	123.87
16	w	517	CLA	C2A-C1A-CHA	2.38	127.99	123.87
16	a	1138	CLA	CAA-C2A-C3A	-2.38	106.58	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	H	849	LHG	C11-C10-C9	-2.37	102.36	114.37
16	b	1225	CLA	C2D-C1D-ND	-2.37	107.78	110.13
16	B	1224	CLA	CMB-C2B-C1B	-2.37	121.80	125.42
16	b	1206	CLA	CMB-C2B-C3B	2.37	132.13	126.55
16	B	1203	CLA	O2A-CGA-O1A	-2.37	117.69	123.63
16	p	511	CLA	C3B-C4B-NB	-2.37	108.41	110.53
19	q	602	BCR	C27-C26-C25	2.37	125.91	122.70
16	a	1116	CLA	C2A-C1A-CHA	2.37	127.98	123.87
19	Z	604	BCR	C11-C10-C9	-2.37	123.95	127.28
19	t	601	BCR	C3-C4-C5	-2.37	109.83	114.06
19	a	4011	BCR	C27-C26-C25	2.37	125.91	122.70
19	A	4008	BCR	C29-C30-C25	2.37	113.88	110.44
16	H	1126	CLA	CAA-C2A-C3A	-2.37	106.59	113.00
16	o	506	CLA	O2A-CGA-O1A	-2.37	117.70	123.63
19	y	604	BCR	C27-C26-C25	2.37	125.91	122.70
19	s	602	BCR	C27-C26-C25	2.37	125.91	122.70
16	A	1138	CLA	CAA-C2A-C3A	-2.37	106.59	113.00
19	J	4015	BCR	C24-C23-C22	-2.37	122.73	126.23
16	a	1116	CLA	O2D-CGD-CBD	2.37	115.37	111.23
19	L	4022	BCR	C30-C25-C26	-2.37	119.40	122.64
16	w	512	CLA	C3B-C4B-NB	-2.37	108.42	110.53
19	B	4009	BCR	C3-C4-C5	-2.37	109.83	114.06
19	A	4003	BCR	C38-C26-C27	-2.37	108.55	113.60
16	r	517	CLA	CMB-C2B-C1B	-2.37	121.81	125.42
16	s	510	CLA	CAA-C2A-C3A	-2.37	106.60	113.00
16	X	510	CLA	C2A-C1A-CHA	2.37	127.98	123.87
16	a	1126	CLA	CAA-C2A-C3A	-2.37	106.60	113.00
16	H	1116	CLA	O2D-CGD-CBD	2.37	115.37	111.23
19	H	4008	BCR	C29-C30-C25	2.37	113.88	110.44
19	l	4019	BCR	C15-C14-C13	-2.37	123.96	127.28
16	n	503	CLA	CMB-C2B-C3B	2.37	132.12	126.55
16	a	1108	CLA	C3B-C4B-NB	-2.37	108.42	110.53
16	G	1203	CLA	O2A-CGA-O1A	-2.37	117.71	123.63
19	h	604	BCR	C11-C10-C9	-2.37	123.96	127.28
19	A	4011	BCR	C15-C16-C17	-2.37	118.68	123.52
16	B	1210	CLA	CMB-C2B-C3B	2.37	132.12	126.55
16	G	1236	CLA	CMB-C2B-C1B	-2.37	121.82	125.42
19	W	601	BCR	C3-C4-C5	-2.37	109.84	114.06
16	b	1226	CLA	CHB-C1B-NB	2.36	127.60	124.05
19	Y	602	BCR	C3-C4-C5	-2.36	109.84	114.06
19	H	4002	BCR	C7-C8-C9	-2.36	122.74	126.23
16	G	1226	CLA	C2D-C1D-ND	-2.36	107.79	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	a	1133	CLA	O2A-CGA-O1A	-2.36	117.72	123.63
16	G	1228	CLA	CAA-C2A-C3A	-2.36	106.61	113.00
19	a	4011	BCR	C15-C16-C17	-2.36	118.69	123.52
19	r	604	BCR	C28-C27-C26	-2.36	109.84	114.06
16	B	1231	CLA	CMB-C2B-C1B	-2.36	121.82	125.42
16	b	1231	CLA	CMB-C2B-C1B	-2.36	121.82	125.42
16	r	509	CLA	CMB-C2B-C1B	-2.36	121.82	125.42
19	h	604	BCR	C24-C23-C22	-2.36	122.74	126.23
16	v	515	CLA	O2A-CGA-O1A	-2.36	117.72	123.63
16	q	511	CLA	CMB-C2B-C1B	-2.36	121.82	125.42
16	G	1224	CLA	CMB-C2B-C1B	-2.36	121.83	125.42
19	W	601	BCR	C15-C14-C13	-2.36	123.97	127.28
16	b	1210	CLA	CMB-C2B-C3B	2.36	132.10	126.55
16	b	1228	CLA	CAA-C2A-C3A	-2.36	106.62	113.00
16	Z	514	CLA	CAA-C2A-C3A	-2.36	106.62	113.00
16	A	1126	CLA	CAA-C2A-C3A	-2.36	106.62	113.00
16	n	510	CLA	C2A-C1A-CHA	2.36	127.96	123.87
16	q	510	CLA	C2A-C1A-CHA	2.36	127.96	123.87
16	B	1226	CLA	CHB-C1B-NB	2.36	127.59	124.05
19	w	601	BCR	C24-C23-C22	-2.36	122.75	126.23
16	x	503	CLA	CAA-C2A-C3A	-2.36	106.63	113.00
19	H	4008	BCR	C33-C5-C6	-2.36	121.91	124.48
16	h	511	CLA	CAA-C2A-C3A	-2.36	106.63	113.00
16	h	511	CLA	CMB-C2B-C3B	2.36	132.10	126.55
16	b	1229	CLA	CAA-C2A-C3A	-2.36	106.63	113.00
16	q	517	CLA	C2A-C1A-CHA	2.36	127.96	123.87
16	u	517	CLA	CMB-C2B-C3B	2.36	132.09	126.55
16	H	1123	CLA	C3B-C4B-NB	-2.36	108.43	110.53
19	g	604	BCR	C15-C14-C13	-2.36	123.97	127.28
16	u	506	CLA	O2A-CGA-O1A	-2.36	117.73	123.63
16	o	512	CLA	C3B-C4B-NB	-2.36	108.43	110.53
16	t	512	CLA	C3B-C4B-NB	-2.36	108.43	110.53
16	g	511	CLA	CAA-C2A-C3A	-2.36	106.63	113.00
16	a	1123	CLA	C3B-C4B-NB	-2.35	108.43	110.53
16	b	1230	CLA	C3B-C4B-NB	-2.35	108.43	110.53
16	U	1501	CLA	CAA-C2A-C3A	-2.35	106.64	113.00
19	L	4019	BCR	C15-C14-C13	-2.35	123.98	127.28
19	r	602	BCR	C15-C14-C13	-2.35	123.98	127.28
19	o	601	BCR	C29-C30-C25	2.35	113.86	110.44
16	Y	502	CLA	CAC-C3C-C4C	2.35	127.85	124.79
16	a	1801	CLA	CAA-C2A-C3A	-2.35	106.64	113.00
16	H	1801	CLA	CAA-C2A-C3A	-2.35	106.64	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	r	511	CLA	CMB-C2B-C1B	-2.35	121.84	125.42
16	B	1228	CLA	CAA-C2A-C3A	-2.35	106.64	113.00
19	X	602	BCR	C3-C4-C5	-2.35	109.86	114.06
16	l	1501	CLA	CAA-C2A-C3A	-2.35	106.65	113.00
14	B	848	LMG	O3-C3-C2	-2.35	104.83	110.38
16	A	1801	CLA	CAA-C2A-C3A	-2.35	106.65	113.00
19	s	604	BCR	C24-C23-C22	-2.35	122.76	126.23
16	v	511	CLA	CAA-C2A-C3A	-2.35	106.65	113.00
16	G	1226	CLA	CHB-C1B-NB	2.35	127.57	124.05
19	u	602	BCR	C27-C26-C25	2.35	125.88	122.70
19	o	603	BCR	C15-C14-C13	-2.35	123.98	127.28
19	H	4003	BCR	C15-C14-C13	-2.35	123.98	127.28
16	b	1221	CLA	C2A-C1A-CHA	2.35	127.94	123.87
19	g	602	BCR	C40-C30-C25	2.35	113.92	110.24
16	a	1107	CLA	CMB-C2B-C1B	-2.35	121.84	125.42
16	X	517	CLA	C3A-C2A-C1A	2.35	104.86	101.34
19	b	4010	BCR	C11-C10-C9	-2.35	123.99	127.28
16	w	506	CLA	CAA-C2A-C3A	-2.35	106.66	113.00
16	G	1225	CLA	C2D-C1D-ND	-2.35	107.80	110.13
16	H	1107	CLA	CMB-C2B-C1B	-2.35	121.85	125.42
19	r	603	BCR	C11-C10-C9	-2.35	123.99	127.28
19	w	603	BCR	C11-C10-C9	-2.35	123.99	127.28
16	A	1116	CLA	O2D-CGD-CBD	2.34	115.33	111.23
16	l	1502	CLA	O2D-CGD-CBD	2.34	115.33	111.23
16	B	1229	CLA	CAA-C2A-C3A	-2.34	106.66	113.00
14	p	701	LMG	O1-C7-C8	-2.34	105.12	110.82
16	Z	508	CLA	O2D-CGD-CBD	2.34	115.33	111.23
16	h	502	CLA	CAA-C2A-C3A	-2.34	106.67	113.00
19	x	603	BCR	C24-C23-C22	-2.34	122.77	126.23
19	L	4022	BCR	C3-C4-C5	-2.34	109.88	114.06
16	G	1021	CLA	C1-C2-C3	-2.34	122.36	126.20
16	y	509	CLA	CAA-C2A-C3A	-2.34	106.67	113.00
16	g	510	CLA	C2A-C1A-CHA	2.34	127.93	123.87
19	x	604	BCR	C28-C27-C26	-2.34	109.88	114.06
16	o	509	CLA	CAA-C2A-C3A	-2.34	106.67	113.00
16	t	506	CLA	CAA-C2A-C3A	-2.34	106.67	113.00
19	h	601	BCR	C29-C30-C25	2.34	113.84	110.44
19	B	4010	BCR	C11-C10-C9	-2.34	123.99	127.28
14	G	848	LMG	O3-C3-C2	-2.34	104.86	110.38
16	A	1103	CLA	C3B-C4B-NB	-2.34	108.44	110.53
19	x	603	BCR	C3-C4-C5	-2.34	109.88	114.06
16	L	1501	CLA	CAA-C2A-C3A	-2.34	106.67	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	G	1229	CLA	CAA-C2A-C3A	-2.34	106.67	113.00
19	i	4020	BCR	C11-C10-C9	-2.34	124.00	127.28
16	y	510	CLA	C2A-C1A-CHA	2.34	127.93	123.87
16	r	506	CLA	CAA-C2A-C3A	-2.34	106.67	113.00
19	Z	602	BCR	C15-C16-C17	-2.34	118.73	123.52
19	p	602	BCR	C3-C4-C5	-2.34	109.88	114.06
16	q	506	CLA	CAA-C2A-C3A	-2.34	106.68	113.00
14	b	848	LMG	O3-C3-C2	-2.34	104.86	110.38
19	x	602	BCR	C15-C14-C13	-2.34	124.00	127.28
19	a	4002	BCR	C7-C8-C9	-2.34	122.77	126.23
19	o	602	BCR	C27-C26-C25	2.34	125.86	122.70
16	q	512	CLA	C3B-C4B-NB	-2.34	108.44	110.53
16	H	1103	CLA	C3B-C4B-NB	-2.34	108.44	110.53
19	A	4011	BCR	C27-C26-C25	2.34	125.86	122.70
16	B	1225	CLA	C2D-C1D-ND	-2.34	107.81	110.13
19	u	601	BCR	C29-C30-C25	2.34	113.83	110.44
16	X	517	CLA	C2A-C1A-CHA	2.34	127.92	123.87
16	v	510	CLA	C2A-C1A-CHA	2.34	127.92	123.87
19	G	4010	BCR	C11-C10-C9	-2.34	124.00	127.28
16	B	1216	CLA	C2A-C1A-CHA	2.34	127.92	123.87
16	o	506	CLA	CAA-C2A-C3A	-2.34	106.69	113.00
16	G	1201	CLA	CAA-C2A-C3A	-2.34	106.69	113.00
19	h	604	BCR	C29-C30-C25	2.34	113.83	110.44
16	b	1021	CLA	C1-C2-C3	-2.34	122.37	126.20
19	y	604	BCR	C11-C10-C9	-2.34	124.00	127.28
16	G	1226	CLA	CMB-C2B-C3B	2.34	132.04	126.55
19	a	4003	BCR	C15-C14-C13	-2.34	124.00	127.28
15	a	1011	CL0	C2A-C1A-CHA	2.33	127.92	123.87
16	A	1107	CLA	CMB-C2B-C1B	-2.33	121.86	125.42
16	q	509	CLA	CMB-C2B-C1B	-2.33	121.87	125.42
16	b	1012	CLA	CAA-C2A-C3A	-2.33	106.69	113.00
16	X	503	CLA	CAA-C2A-C3A	-2.33	106.70	113.00
16	t	515	CLA	CAA-C2A-C3A	-2.33	106.70	113.00
16	b	1226	CLA	CMB-C2B-C3B	2.33	132.04	126.55
16	h	506	CLA	O2A-CGA-O1A	-2.33	117.79	123.63
16	L	1502	CLA	O2D-CGD-CBD	2.33	115.31	111.23
19	A	4002	BCR	C7-C8-C9	-2.33	122.78	126.23
16	B	1226	CLA	CMB-C2B-C3B	2.33	132.03	126.55
16	A	1123	CLA	C3B-C4B-NB	-2.33	108.45	110.53
19	g	601	BCR	C29-C30-C25	2.33	113.83	110.44
19	G	4005	BCR	C11-C10-C9	-2.33	124.01	127.28
19	l	4022	BCR	C3-C4-C5	-2.33	109.90	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
19	Y	604	BCR	C15-C14-C13	-2.33	124.01	127.28
19	W	601	BCR	C29-C30-C25	2.33	113.82	110.44
16	B	1012	CLA	CAA-C2A-C3A	-2.33	106.70	113.00
16	w	514	CLA	CAA-C2A-C3A	-2.33	106.70	113.00
19	v	601	BCR	C29-C30-C25	2.33	113.82	110.44
16	p	506	CLA	C3B-C4B-NB	-2.33	108.45	110.53
16	b	1236	CLA	CMB-C2B-C1B	-2.33	121.87	125.42
16	G	1232	CLA	C2A-C1A-CHA	2.33	127.91	123.87
16	v	513	CLA	CAA-C2A-C3A	-2.33	106.71	113.00
19	w	602	BCR	C27-C26-C25	2.33	125.85	122.70
16	b	1201	CLA	CAA-C2A-C3A	-2.33	106.71	113.00
19	U	4019	BCR	C15-C14-C13	-2.33	124.02	127.28
16	p	511	CLA	CMB-C2B-C3B	2.33	132.02	126.55
16	b	1216	CLA	C2A-C1A-CHA	2.33	127.90	123.87
14	H	852	LMG	O6-C1-O1	-2.33	104.55	110.04
14	b	848	LMG	O2-C2-C1	-2.33	104.53	110.08
16	s	512	CLA	CMB-C2B-C3B	2.33	132.02	126.55
19	A	4008	BCR	C33-C5-C6	-2.32	121.95	124.48
16	u	517	CLA	C3A-C2A-C1A	2.32	104.82	101.34
16	G	1223	CLA	CAA-C2A-C3A	-2.32	106.72	113.00
15	H	1011	CL0	C2A-C3A-C4A	2.32	105.62	101.87
16	x	511	CLA	O2A-CGA-O1A	-2.32	117.82	123.63
16	y	506	CLA	O2A-CGA-O1A	-2.32	117.82	123.63
15	H	1011	CL0	C2A-C1A-CHA	2.32	127.90	123.87
15	A	1011	CL0	C2A-C3A-C4A	2.32	105.62	101.87
16	y	511	CLA	O2A-CGA-O1A	-2.32	117.82	123.63
16	B	1201	CLA	CAA-C2A-C3A	-2.32	106.73	113.00
19	o	604	BCR	C7-C8-C9	-2.32	122.80	126.23
19	U	4022	BCR	C3-C4-C5	-2.32	109.92	114.06
19	u	601	BCR	C28-C27-C26	-2.32	109.92	114.06
16	r	515	CLA	CAA-C2A-C3A	-2.32	106.73	113.00
16	j	1302	CLA	CAA-C2A-C3A	-2.32	106.73	113.00
19	X	604	BCR	C15-C16-C17	-2.32	118.77	123.52
16	b	1023	CLA	CMB-C2B-C3B	2.32	132.00	126.55
16	B	1232	CLA	C2A-C1A-CHA	2.32	127.89	123.87
16	u	517	CLA	C2A-C1A-CHA	2.32	127.89	123.87
19	W	603	BCR	C15-C14-C13	-2.32	124.03	127.28
19	Z	602	BCR	C27-C26-C25	2.32	125.84	122.70
16	B	1207	CLA	C2A-C1A-CHA	2.32	127.89	123.87
19	s	601	BCR	C15-C14-C13	-2.32	124.03	127.28
16	G	1012	CLA	CAA-C2A-C3A	-2.32	106.74	113.00
16	b	1232	CLA	C2A-C1A-CHA	2.32	127.89	123.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	B	1220	CLA	O2D-CGD-CBD	2.32	115.28	111.23
16	H	1013	CLA	C2A-C1A-CHA	2.32	127.89	123.87
19	v	603	BCR	C24-C23-C22	-2.32	122.81	126.23
16	y	502	CLA	CAA-C2A-C3A	-2.32	106.74	113.00
14	G	848	LMG	C38-C37-C36	-2.32	102.66	114.37
19	s	602	BCR	C3-C4-C5	-2.32	109.93	114.06
16	h	511	CLA	O2A-CGA-O1A	-2.31	117.84	123.63
19	I	4020	BCR	C11-C10-C9	-2.31	124.03	127.28
19	A	4002	BCR	C24-C23-C22	-2.31	122.81	126.23
19	u	603	BCR	C24-C23-C22	-2.31	122.81	126.23
16	B	1021	CLA	C1-C2-C3	-2.31	122.41	126.20
16	b	1220	CLA	O2D-CGD-CBD	2.31	115.28	111.23
16	J	1302	CLA	CAA-C2A-C3A	-2.31	106.75	113.00
14	a	852	LMG	O6-C1-O1	-2.31	104.58	110.04
14	B	848	LMG	O2-C2-C1	-2.31	104.56	110.08
19	w	603	BCR	C29-C30-C25	2.31	113.80	110.44
16	B	1236	CLA	CMB-C2B-C1B	-2.31	121.90	125.42
19	H	4002	BCR	C24-C23-C22	-2.31	122.81	126.23
16	t	504	CLA	C2A-C1A-CHA	2.31	127.88	123.87
16	G	1204	CLA	CAA-C2A-C3A	-2.31	106.75	113.00
19	R	4020	BCR	C11-C10-C9	-2.31	124.03	127.28
16	y	506	CLA	C3B-C4B-NB	-2.31	108.47	110.53
19	g	602	BCR	C24-C23-C22	-2.31	122.81	126.23
19	A	4003	BCR	C15-C14-C13	-2.31	124.04	127.28
16	U	1502	CLA	O2D-CGD-CBD	2.31	115.27	111.23
16	b	1220	CLA	CMB-C2B-C3B	2.31	131.99	126.55
16	H	1105	CLA	O2A-CGA-O1A	-2.31	117.85	123.63
16	v	506	CLA	O2A-CGA-O1A	-2.31	117.85	123.63
16	A	1121	CLA	O2A-CGA-O1A	-2.31	117.85	123.63
16	B	1204	CLA	CAA-C2A-C3A	-2.31	106.76	113.00
16	B	1231	CLA	CAA-C2A-C3A	-2.31	106.76	113.00
16	n	504	CLA	C2A-C1A-CHA	2.31	127.88	123.87
16	h	510	CLA	CMB-C2B-C3B	2.31	131.98	126.55
14	B	848	LMG	C38-C37-C36	-2.31	102.69	114.37
16	G	1220	CLA	CMB-C2B-C3B	2.31	131.98	126.55
16	B	1023	CLA	CMB-C2B-C3B	2.31	131.98	126.55
19	J	4013	BCR	C27-C26-C25	2.31	125.82	122.70
19	X	601	BCR	C27-C26-C25	2.31	125.82	122.70
16	S	1302	CLA	CAA-C2A-C3A	-2.31	106.76	113.00
16	A	1115	CLA	O2A-CGA-O1A	-2.31	117.86	123.63
14	b	848	LMG	C38-C37-C36	-2.31	102.71	114.37
16	b	1204	CLA	CAA-C2A-C3A	-2.31	106.77	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	v	506	CLA	C3B-C4B-NB	-2.31	108.47	110.53
16	G	1220	CLA	O2D-CGD-CBD	2.31	115.26	111.23
14	A	852	LMG	O6-C1-O1	-2.31	104.59	110.04
19	Y	601	BCR	C15-C14-C13	-2.31	124.04	127.28
19	H	4001	BCR	C7-C8-C9	-2.31	122.82	126.23
16	B	1223	CLA	CAA-C2A-C3A	-2.31	106.77	113.00
16	p	502	CLA	CAA-C2A-C3A	-2.31	106.77	113.00
16	W	510	CLA	C2A-C1A-CHA	2.30	127.87	123.87
16	G	1230	CLA	CMB-C2B-C1B	-2.30	121.91	125.42
16	G	1216	CLA	C2A-C1A-CHA	2.30	127.87	123.87
16	v	509	CLA	O2D-CGD-CBD	2.30	115.26	111.23
16	t	510	CLA	C2A-C1A-CHA	2.30	127.86	123.87
16	G	1209	CLA	CAA-C2A-C3A	-2.30	106.77	113.00
15	A	1011	CL0	C2A-C1A-CHA	2.30	127.86	123.87
19	t	603	BCR	C15-C14-C13	-2.30	124.05	127.28
16	B	1220	CLA	CMB-C2B-C3B	2.30	131.97	126.55
19	u	601	BCR	C15-C16-C17	-2.30	118.81	123.52
16	A	1105	CLA	O2A-CGA-O1A	-2.30	117.87	123.63
16	s	512	CLA	C3B-C4B-NB	-2.30	108.47	110.53
16	t	501	CLA	CAA-C2A-C3A	-2.30	106.78	113.00
19	b	4005	BCR	C11-C10-C9	-2.30	124.05	127.28
19	s	603	BCR	C24-C23-C22	-2.30	122.83	126.23
16	H	1115	CLA	O2A-CGA-O1A	-2.30	117.87	123.63
16	a	1121	CLA	O2A-CGA-O1A	-2.30	117.87	123.63
16	Y	502	CLA	CAA-C2A-C3A	-2.30	106.78	113.00
16	x	514	CLA	CMB-C2B-C1B	-2.30	121.92	125.42
16	b	1223	CLA	CAA-C2A-C3A	-2.30	106.78	113.00
16	g	506	CLA	C3B-C4B-NB	-2.30	108.48	110.53
16	o	517	CLA	CMB-C2B-C3B	2.30	131.96	126.55
14	G	848	LMG	O2-C2-C1	-2.30	104.60	110.08
19	B	4004	BCR	C15-C16-C17	-2.30	118.81	123.52
19	w	603	BCR	C28-C27-C26	-2.30	109.96	114.06
16	G	1235	CLA	C3B-C4B-NB	-2.30	108.48	110.53
19	w	602	BCR	C7-C8-C9	-2.30	122.84	126.23
16	Y	512	CLA	C3B-C4B-NB	-2.30	108.48	110.53
16	H	1121	CLA	O2A-CGA-O1A	-2.30	117.88	123.63
16	B	1209	CLA	CAA-C2A-C3A	-2.30	106.79	113.00
16	A	1022	CLA	CHA-C1A-NA	-2.30	121.19	126.39
16	A	1120	CLA	O2A-CGA-O1A	-2.30	117.89	123.63
16	G	1023	CLA	CMB-C2B-C3B	2.29	131.95	126.55
16	q	514	CLA	CAA-C2A-C3A	-2.29	106.80	113.00
16	G	1231	CLA	CAA-C2A-C3A	-2.29	106.80	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	H	1120	CLA	O2A-CGA-O1A	-2.29	117.89	123.63
16	B	1230	CLA	CMB-C2B-C1B	-2.29	121.93	125.42
19	B	4005	BCR	C11-C10-C9	-2.29	124.06	127.28
19	G	4017	BCR	C15-C14-C13	-2.29	124.06	127.28
16	n	511	CLA	C3B-C4B-NB	-2.29	108.48	110.53
16	G	1226	CLA	C3B-C4B-NB	-2.29	108.48	110.53
16	b	1209	CLA	CAA-C2A-C3A	-2.29	106.80	113.00
16	A	1013	CLA	C2A-C1A-CHA	2.29	127.84	123.87
16	W	504	CLA	O2A-CGA-O1A	-2.29	117.90	123.63
19	b	4004	BCR	C15-C16-C17	-2.29	118.83	123.52
16	g	512	CLA	CMB-C2B-C1B	-2.29	121.93	125.42
16	w	509	CLA	CMB-C2B-C1B	-2.29	121.93	125.42
16	p	512	CLA	CMB-C2B-C3B	2.29	131.94	126.55
16	q	511	CLA	O2A-CGA-O1A	-2.29	117.90	123.63
16	w	516	CLA	C2A-C1A-CHA	2.29	127.84	123.87
14	a	852	LMG	O2-C2-C1	-2.29	104.62	110.08
16	l	1501	CLA	C2A-C1A-CHA	2.29	127.84	123.87
16	a	1119	CLA	CMB-C2B-C1B	-2.29	121.93	125.42
16	p	516	CLA	CMB-C2B-C1B	-2.29	121.93	125.42
16	v	510	CLA	O2D-CGD-CBD	2.29	115.23	111.23
16	b	1231	CLA	CAA-C2A-C3A	-2.29	106.81	113.00
19	s	601	BCR	C28-C27-C26	-2.29	109.97	114.06
16	X	509	CLA	C2A-C1A-CHA	2.29	127.84	123.87
16	b	1230	CLA	CMB-C2B-C1B	-2.29	121.94	125.42
16	b	1207	CLA	C2A-C1A-CHA	2.29	127.84	123.87
19	g	603	BCR	C11-C10-C9	-2.29	124.07	127.28
16	p	515	CLA	CAA-C2A-C3A	-2.29	106.82	113.00
16	r	516	CLA	C2A-C1A-CHA	2.29	127.83	123.87
16	A	1125	CLA	C3B-C4B-NB	-2.29	108.49	110.53
15	a	1011	CL0	C2A-C3A-C4A	2.29	105.56	101.87
19	H	4003	BCR	C40-C30-C25	2.29	113.83	110.24
16	a	1128	CLA	CHC-C1C-NC	2.29	127.75	124.31
16	a	1105	CLA	O2A-CGA-O1A	-2.29	117.91	123.63
16	L	1501	CLA	C2A-C1A-CHA	2.29	127.83	123.87
16	t	503	CLA	CAA-C2A-C3A	-2.29	106.82	113.00
19	G	4010	BCR	C20-C21-C22	-2.29	124.07	127.28
19	A	4003	BCR	C40-C30-C25	2.28	113.83	110.24
16	o	510	CLA	C2A-C1A-CHA	2.28	127.83	123.87
16	a	1115	CLA	O2A-CGA-O1A	-2.28	117.91	123.63
14	H	852	LMG	O2-C2-C1	-2.28	104.63	110.08
16	a	1022	CLA	CHA-C1A-NA	-2.28	121.22	126.39
16	b	1235	CLA	C3B-C4B-NB	-2.28	108.49	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	W	506	CLA	CAA-C2A-C3A	-2.28	106.83	113.00
19	a	4002	BCR	C24-C23-C22	-2.28	122.86	126.23
19	Z	604	BCR	C28-C27-C26	-2.28	109.98	114.06
19	X	604	BCR	C15-C14-C13	-2.28	124.08	127.28
16	u	510	CLA	CAA-C2A-C3A	-2.28	106.83	113.00
19	j	4015	BCR	C40-C30-C25	2.28	113.82	110.24
19	H	4011	BCR	C10-C11-C12	-2.28	116.59	123.20
16	n	510	CLA	O2A-CGA-O1A	-2.28	117.92	123.63
19	J	4015	BCR	C40-C30-C25	2.28	113.82	110.24
19	S	4015	BCR	C40-C30-C25	2.28	113.82	110.24
14	s	701	LMG	O1-C7-C8	-2.28	105.27	110.82
16	g	506	CLA	CAC-C3C-C4C	2.28	127.76	124.79
16	b	1213	CLA	CAA-C2A-C3A	-2.28	106.84	113.00
19	G	4004	BCR	C15-C16-C17	-2.28	118.86	123.52
16	B	1213	CLA	CAA-C2A-C3A	-2.28	106.84	113.00
16	a	1124	CLA	CAA-CBA-CGA	-2.28	106.74	113.21
19	R	4020	BCR	C24-C23-C22	-2.28	122.86	126.23
16	B	1226	CLA	C3B-C4B-NB	-2.28	108.50	110.53
16	b	1226	CLA	C3B-C4B-NB	-2.28	108.50	110.53
19	G	4009	BCR	C24-C23-C22	-2.28	122.86	126.23
16	W	504	CLA	C2A-C1A-CHA	2.28	127.82	123.87
16	H	1136	CLA	CMB-C2B-C1B	-2.28	121.95	125.42
16	Y	509	CLA	CAA-C2A-C3A	-2.28	106.85	113.00
16	u	509	CLA	CAA-C2A-C3A	-2.28	106.85	113.00
16	U	1501	CLA	C2A-C1A-CHA	2.28	127.82	123.87
19	b	4009	BCR	C24-C23-C22	-2.28	122.87	126.23
16	s	515	CLA	CAA-C2A-C3A	-2.28	106.85	113.00
16	x	506	CLA	CAA-C2A-C3A	-2.28	106.85	113.00
16	o	508	CLA	C2A-C1A-CHA	2.27	127.81	123.87
16	H	1135	CLA	C2A-C1A-CHA	2.27	127.81	123.87
16	r	511	CLA	O2A-CGA-O1A	-2.27	117.94	123.63
19	a	4001	BCR	C7-C8-C9	-2.27	122.87	126.23
16	A	1103	CLA	CAA-CBA-CGA	-2.27	106.75	113.21
16	H	1119	CLA	CMB-C2B-C1B	-2.27	121.96	125.42
16	X	506	CLA	CAA-C2A-C3A	-2.27	106.86	113.00
16	G	1207	CLA	C2A-C1A-CHA	2.27	127.81	123.87
16	w	511	CLA	O2A-CGA-O1A	-2.27	117.94	123.63
19	A	4011	BCR	C10-C11-C12	-2.27	116.62	123.20
16	o	510	CLA	CAA-C2A-C3A	-2.27	106.86	113.00
16	Y	504	CLA	C2A-C1A-CHA	2.27	127.81	123.87
16	x	510	CLA	C2A-C1A-CHA	2.27	127.81	123.87
16	b	1224	CLA	C3A-C2A-C1A	2.27	104.74	101.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
19	A	4001	BCR	C7-C8-C9	-2.27	122.88	126.23
19	I	4020	BCR	C24-C23-C22	-2.27	122.88	126.23
16	B	1021	CLA	C2A-C3A-C4A	2.27	105.53	101.87
16	b	1215	CLA	CMB-C2B-C3B	2.27	131.89	126.55
19	r	602	BCR	C24-C23-C22	-2.27	122.88	126.23
19	u	603	BCR	C7-C8-C9	-2.27	122.88	126.23
19	a	4011	BCR	C10-C11-C12	-2.27	116.62	123.20
16	b	1021	CLA	C2A-C3A-C4A	2.27	105.53	101.87
19	i	4020	BCR	C24-C23-C22	-2.27	122.88	126.23
16	H	1103	CLA	CAA-CBA-CGA	-2.27	106.77	113.21
16	a	1136	CLA	CMB-C2B-C1B	-2.27	121.97	125.42
19	a	4003	BCR	C40-C30-C25	2.27	113.80	110.24
19	B	4014	BCR	C10-C11-C12	-2.27	116.63	123.20
19	p	601	BCR	C29-C30-C25	2.27	113.73	110.44
16	q	503	CLA	CAA-C2A-C3A	-2.27	106.87	113.00
16	Z	510	CLA	C2A-C1A-CHA	2.27	127.80	123.87
16	a	1013	CLA	C2A-C1A-CHA	2.27	127.80	123.87
16	Y	514	CLA	CAA-C2A-C3A	-2.27	106.88	113.00
16	H	1125	CLA	C3B-C4B-NB	-2.27	108.51	110.53
16	x	506	CLA	C3B-C4B-NB	-2.27	108.51	110.53
16	G	1213	CLA	CAA-C2A-C3A	-2.27	106.88	113.00
19	B	4009	BCR	C24-C23-C22	-2.27	122.88	126.23
16	X	512	CLA	CMB-C2B-C1B	-2.27	121.97	125.42
16	G	1215	CLA	CMB-C2B-C3B	2.27	131.88	126.55
16	H	1113	CLA	O2D-CGD-CBD	2.27	115.19	111.23
16	x	509	CLA	CMB-C2B-C1B	-2.27	121.97	125.42
16	w	511	CLA	C3B-C4B-NB	-2.27	108.51	110.53
19	G	4014	BCR	C10-C11-C12	-2.27	116.64	123.20
16	A	1119	CLA	CMB-C2B-C1B	-2.26	121.97	125.42
19	B	4010	BCR	C16-C15-C14	-2.26	118.89	123.52
16	F	1301	CLA	C2A-C1A-CHA	2.26	127.80	123.87
16	H	1124	CLA	CAA-CBA-CGA	-2.26	106.78	113.21
19	b	4010	BCR	C16-C15-C14	-2.26	118.89	123.52
16	u	513	CLA	C2A-C1A-CHA	2.26	127.80	123.87
16	H	1022	CLA	CHA-C1A-NA	-2.26	121.27	126.39
16	g	506	CLA	O2A-CGA-O1A	-2.26	117.97	123.63
19	b	4014	BCR	C10-C11-C12	-2.26	116.65	123.20
19	H	4001	BCR	C35-C13-C14	-2.26	119.15	122.82
16	q	511	CLA	C3B-C4B-NB	-2.26	108.51	110.53
16	g	511	CLA	CMB-C2B-C3B	2.26	131.87	126.55
16	B	1215	CLA	CMB-C2B-C3B	2.26	131.87	126.55
16	H	1128	CLA	CHC-C1C-NC	2.26	127.71	124.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	a	1120	CLA	O2A-CGA-O1A	-2.26	117.98	123.63
14	A	852	LMG	O2-C2-C1	-2.26	104.69	110.08
16	A	1110	CLA	O2D-CGD-CBD	2.26	115.18	111.23
16	w	510	CLA	C2A-C1A-CHA	2.26	127.79	123.87
16	A	1136	CLA	CMB-C2B-C1B	-2.26	121.98	125.42
16	a	1103	CLA	CAA-CBA-CGA	-2.26	106.80	113.21
16	A	1135	CLA	C2A-C1A-CHA	2.26	127.78	123.87
16	s	514	CLA	CAA-C2A-C3A	-2.26	106.90	113.00
16	G	1224	CLA	C3A-C2A-C1A	2.26	104.72	101.34
16	X	507	CLA	C2A-C1A-CHA	2.26	127.78	123.87
16	G	1220	CLA	C2A-C1A-CHA	2.26	127.78	123.87
16	A	1124	CLA	CAA-CBA-CGA	-2.26	106.80	113.21
19	x	603	BCR	C11-C10-C9	-2.26	124.11	127.28
16	Y	514	CLA	O2A-CGA-O1A	-2.26	117.98	123.63
16	o	509	CLA	C2A-C1A-CHA	2.26	127.78	123.87
16	x	504	CLA	CAA-C2A-C3A	-2.26	106.90	113.00
19	X	604	BCR	C24-C23-C22	-2.26	122.90	126.23
16	h	513	CLA	CAA-C2A-C3A	-2.26	106.90	113.00
16	a	1135	CLA	C2A-C1A-CHA	2.26	127.78	123.87
16	Z	511	CLA	O2A-CGA-O1A	-2.26	117.99	123.63
16	A	1113	CLA	O2D-CGD-CBD	2.25	115.17	111.23
16	a	1113	CLA	O2D-CGD-CBD	2.25	115.17	111.23
16	r	510	CLA	C2A-C1A-CHA	2.25	127.78	123.87
16	G	1214	CLA	C2A-C1A-CHA	2.25	127.78	123.87
16	a	1125	CLA	C3B-C4B-NB	-2.25	108.52	110.53
16	w	505	CLA	CAA-C2A-C3A	-2.25	106.91	113.00
16	W	509	CLA	CAA-C2A-C3A	-2.25	106.91	113.00
16	A	1128	CLA	CHC-C1C-NC	2.25	127.70	124.31
16	b	1236	CLA	O2D-CGD-CBD	2.25	115.17	111.23
19	B	4010	BCR	C20-C21-C22	-2.25	124.12	127.28
19	S	4013	BCR	C27-C26-C25	2.25	125.75	122.70
16	s	504	CLA	C2A-C1A-CHA	2.25	127.77	123.87
16	g	506	CLA	CHC-C4B-NB	2.25	127.42	124.05
16	G	1211	CLA	CMB-C2B-C3B	2.25	131.84	126.55
16	u	510	CLA	C2A-C1A-CHA	2.25	127.77	123.87
16	p	512	CLA	C3B-C4B-NB	-2.25	108.52	110.53
16	X	515	CLA	CAA-C2A-C3A	-2.25	106.92	113.00
19	b	4017	BCR	C15-C14-C13	-2.25	124.12	127.28
16	H	1116	CLA	CMB-C2B-C3B	2.25	131.84	126.55
16	v	511	CLA	CMB-C2B-C3B	2.25	131.84	126.55
16	s	502	CLA	CAA-C2A-C3A	-2.25	106.92	113.00
19	u	604	BCR	C15-C14-C13	-2.25	124.13	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	H	1110	CLA	O2D-CGD-CBD	2.25	115.16	111.23
14	H	852	LMG	O3-C3-C2	-2.25	105.08	110.38
16	q	508	CLA	C2A-C1A-CHA	2.25	127.77	123.87
16	f	1302	CLA	CHB-C4A-NA	2.25	127.62	124.43
16	t	514	CLA	O2A-CGA-O1A	-2.25	118.01	123.63
16	Q	1301	CLA	C2A-C1A-CHA	2.25	127.76	123.87
19	w	604	BCR	C15-C14-C13	-2.25	124.13	127.28
16	s	506	CLA	C3B-C4B-NB	-2.24	108.53	110.53
16	F	1302	CLA	CHB-C4A-NA	2.24	127.62	124.43
14	A	852	LMG	O3-C3-C2	-2.24	105.09	110.38
16	A	1126	CLA	C3A-C2A-C1A	2.24	104.70	101.34
16	n	511	CLA	C2A-C1A-CHA	2.24	127.76	123.87
19	p	604	BCR	C24-C23-C22	-2.24	122.92	126.23
14	A	4101	LMG	O2-C2-C1	-2.24	104.73	110.08
16	A	1110	CLA	CAA-C2A-C3A	-2.24	106.94	113.00
16	n	506	CLA	CAA-C2A-C3A	-2.24	106.94	113.00
16	t	517	CLA	C2A-C1A-CHA	2.24	127.76	123.87
16	u	509	CLA	C2A-C1A-CHA	2.24	127.76	123.87
16	a	1110	CLA	O2D-CGD-CBD	2.24	115.15	111.23
16	Y	514	CLA	CMB-C2B-C1B	-2.24	122.01	125.42
16	H	1126	CLA	C3A-C2A-C1A	2.24	104.70	101.34
19	j	4013	BCR	C27-C26-C25	2.24	125.73	122.70
19	q	604	BCR	C16-C15-C14	-2.24	118.93	123.52
19	G	4010	BCR	C16-C15-C14	-2.24	118.93	123.52
16	h	509	CLA	O2A-CGA-O1A	-2.24	118.02	123.63
16	G	1021	CLA	C2A-C3A-C4A	2.24	105.49	101.87
16	W	512	CLA	C3B-C4B-NB	-2.24	108.53	110.53
16	b	1210	CLA	C2A-C1A-CHA	2.24	127.75	123.87
16	n	517	CLA	C2A-C1A-CHA	2.24	127.75	123.87
16	B	1220	CLA	C2A-C1A-CHA	2.24	127.75	123.87
16	W	517	CLA	C2A-C1A-CHA	2.24	127.75	123.87
16	y	510	CLA	CMB-C2B-C3B	2.24	131.82	126.55
16	u	501	CLA	O2D-CGD-CBD	2.24	115.14	111.23
19	o	601	BCR	C15-C16-C17	-2.24	118.94	123.52
19	a	4007	BCR	C29-C30-C25	2.24	113.69	110.44
16	Y	510	CLA	C2A-C1A-CHA	2.24	127.75	123.87
16	x	516	CLA	C2A-C1A-CHA	2.24	127.75	123.87
19	X	603	BCR	C7-C8-C9	-2.24	122.92	126.23
16	u	508	CLA	C2A-C1A-CHA	2.24	127.75	123.87
16	a	1116	CLA	CMB-C2B-C3B	2.24	131.81	126.55
16	w	517	CLA	C3A-C2A-C1A	2.24	104.69	101.34
14	a	852	LMG	O3-C3-C2	-2.24	105.10	110.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	B	1236	CLA	O2D-CGD-CBD	2.24	115.14	111.23
14	a	4101	LMG	O2-C2-C1	-2.24	104.74	110.08
19	B	4017	BCR	C15-C14-C13	-2.24	124.14	127.28
19	o	603	BCR	C7-C8-C9	-2.24	122.93	126.23
19	p	602	BCR	C27-C26-C25	2.24	125.73	122.70
16	o	511	CLA	O2A-CGA-O1A	-2.24	118.03	123.63
16	q	504	CLA	C2A-C1A-CHA	2.24	127.75	123.87
16	U	1503	CLA	CMB-C2B-C3B	2.24	131.81	126.55
19	x	604	BCR	C7-C8-C9	-2.23	122.93	126.23
16	H	1013	CLA	CHB-C1B-NB	2.23	127.40	124.05
16	B	1235	CLA	C3B-C4B-NB	-2.23	108.54	110.53
16	w	503	CLA	CAA-C2A-C3A	-2.23	106.96	113.00
16	b	1220	CLA	C2A-C1A-CHA	2.23	127.74	123.87
16	L	1503	CLA	C3B-C4B-NB	-2.23	108.54	110.53
16	G	1012	CLA	O2A-CGA-O1A	-2.23	118.04	123.63
14	b	848	LMG	O7-C10-O9	-2.23	118.49	123.70
16	A	1116	CLA	CMB-C2B-C3B	2.23	131.80	126.55
16	X	502	CLA	O2D-CGD-CBD	2.23	115.13	111.23
19	b	4004	BCR	C15-C14-C13	-2.23	124.15	127.28
16	X	508	CLA	C2A-C1A-CHA	2.23	127.74	123.87
16	H	1110	CLA	CAA-C2A-C3A	-2.23	106.97	113.00
16	W	511	CLA	C2A-C1A-CHA	2.23	127.74	123.87
19	H	4002	BCR	C11-C10-C9	-2.23	124.15	127.28
16	o	513	CLA	C2A-C1A-CHA	2.23	127.74	123.87
19	Q	4016	BCR	C33-C5-C6	-2.23	122.05	124.48
16	Z	501	CLA	CAA-C2A-C3A	-2.23	106.97	113.00
16	F	1302	CLA	C1C-NC-C4C	2.23	107.70	106.68
16	g	510	CLA	O2D-CGD-CBD	2.23	115.13	111.23
16	h	510	CLA	O2D-CGD-CBD	2.23	115.13	111.23
19	a	4001	BCR	C35-C13-C14	-2.23	119.20	122.82
16	y	517	CLA	CAA-C2A-C3A	-2.23	106.98	113.00
16	Q	1302	CLA	CHB-C4A-NA	2.23	127.60	124.43
16	B	1210	CLA	C2A-C1A-CHA	2.23	127.73	123.87
14	H	4101	LMG	O2-C2-C1	-2.23	104.77	110.08
19	A	4007	BCR	C29-C30-C25	2.23	113.67	110.44
16	B	1012	CLA	O2A-CGA-O1A	-2.23	118.06	123.63
16	h	510	CLA	O2A-CGA-O1A	-2.23	118.06	123.63
16	L	1503	CLA	CMB-C2B-C3B	2.23	131.79	126.55
16	a	1126	CLA	C3A-C2A-C1A	2.23	104.67	101.34
19	b	4010	BCR	C20-C21-C22	-2.23	124.16	127.28
16	Z	517	CLA	C2A-C1A-CHA	2.23	127.73	123.87
16	a	1120	CLA	C2A-C1A-CHA	2.23	127.73	123.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	b	1214	CLA	C2A-C1A-CHA	2.23	127.73	123.87
19	G	4004	BCR	C28-C27-C26	-2.23	110.09	114.06
19	F	4016	BCR	C15-C14-C13	-2.23	124.16	127.28
16	r	504	CLA	CAA-C2A-C3A	-2.23	106.99	113.00
16	l	1503	CLA	CAA-C2A-C3A	-2.22	106.99	113.00
16	u	506	CLA	CAA-C2A-C3A	-2.22	106.99	113.00
16	b	1021	CLA	O2A-CGA-O1A	-2.22	118.06	123.63
16	t	511	CLA	C2A-C1A-CHA	2.22	127.73	123.87
16	H	1120	CLA	C2A-C1A-CHA	2.22	127.73	123.87
16	G	1236	CLA	O2D-CGD-CBD	2.22	115.12	111.23
16	a	1110	CLA	CAA-C2A-C3A	-2.22	106.99	113.00
19	Y	603	BCR	C11-C10-C9	-2.22	124.16	127.28
16	o	507	CLA	C2A-C1A-CHA	2.22	127.72	123.87
16	B	1214	CLA	C2A-C1A-CHA	2.22	127.72	123.87
19	H	4007	BCR	C29-C30-C25	2.22	113.67	110.44
19	b	4004	BCR	C28-C27-C26	-2.22	110.09	114.06
16	B	1211	CLA	CMB-C2B-C3B	2.22	131.78	126.55
16	r	502	CLA	CAA-C2A-C3A	-2.22	107.00	113.00
16	W	504	CLA	CMB-C2B-C1B	-2.22	122.04	125.42
16	G	1210	CLA	C2A-C1A-CHA	2.22	127.72	123.87
16	a	1013	CLA	CHB-C1B-NB	2.22	127.38	124.05
16	A	1237	CLA	CAA-C2A-C3A	-2.22	107.00	113.00
19	f	4016	BCR	C33-C5-C6	-2.22	122.06	124.48
19	p	603	BCR	C24-C23-C22	-2.22	122.95	126.23
16	G	1021	CLA	O2A-CGA-O1A	-2.22	118.07	123.63
16	W	503	CLA	CAA-C2A-C3A	-2.22	107.00	113.00
16	u	511	CLA	O2A-CGA-O1A	-2.22	118.08	123.63
16	u	503	CLA	CAA-C2A-C3A	-2.22	107.00	113.00
16	X	513	CLA	C2A-C1A-CHA	2.22	127.72	123.87
16	q	513	CLA	C2A-C1A-CHA	2.22	127.72	123.87
16	q	516	CLA	C2A-C1A-CHA	2.22	127.72	123.87
16	L	1503	CLA	CAA-C2A-C3A	-2.22	107.00	113.00
16	p	504	CLA	C2A-C1A-CHA	2.22	127.72	123.87
16	a	1126	CLA	O2D-CGD-CBD	2.22	115.11	111.23
16	b	1211	CLA	CMB-C2B-C3B	2.22	131.77	126.55
16	w	502	CLA	O2D-CGD-CBD	2.22	115.11	111.23
16	a	1022	CLA	CHB-C1B-NB	2.22	127.38	124.05
16	n	509	CLA	CAA-C2A-C3A	-2.22	107.01	113.00
19	A	4001	BCR	C35-C13-C14	-2.22	119.22	122.82
19	b	4017	BCR	C28-C27-C26	-2.22	110.10	114.06
16	v	506	CLA	C2A-C1A-CHA	2.22	127.71	123.87
16	a	1237	CLA	CAA-C2A-C3A	-2.22	107.01	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	r	507	CLA	CAA-C2A-C3A	-2.22	107.01	113.00
19	F	4016	BCR	C27-C26-C25	2.22	125.70	122.70
16	u	509	CLA	CMB-C2B-C1B	-2.22	122.05	125.42
16	o	511	CLA	C3B-C4B-NB	-2.21	108.55	110.53
16	L	1503	CLA	C2A-C1A-CHA	2.21	127.71	123.87
16	f	1301	CLA	C2A-C1A-CHA	2.21	127.71	123.87
16	n	501	CLA	CAA-C2A-C3A	-2.21	107.02	113.00
16	g	515	CLA	CAA-C2A-C3A	-2.21	107.02	113.00
19	r	602	BCR	C40-C30-C25	2.21	113.72	110.24
19	B	4004	BCR	C15-C14-C13	-2.21	124.17	127.28
16	G	1236	CLA	O2A-CGA-O1A	-2.21	118.09	123.63
16	A	1120	CLA	C2A-C1A-CHA	2.21	127.71	123.87
16	w	509	CLA	C2A-C1A-CHA	2.21	127.71	123.87
19	B	4017	BCR	C28-C27-C26	-2.21	110.11	114.06
16	A	1123	CLA	C2A-C1A-CHA	2.21	127.71	123.87
16	H	1123	CLA	C2A-C1A-CHA	2.21	127.71	123.87
14	G	848	LMG	O7-C10-O9	-2.21	118.53	123.70
16	B	1224	CLA	C3A-C2A-C1A	2.21	104.65	101.34
16	q	517	CLA	C3A-C2A-C1A	2.21	104.65	101.34
19	x	602	BCR	C40-C30-C25	2.21	113.71	110.24
16	U	1503	CLA	CAA-C2A-C3A	-2.21	107.03	113.00
19	Q	4016	BCR	C15-C14-C13	-2.21	124.18	127.28
16	y	505	CLA	C2A-C1A-CHA	2.21	127.70	123.87
16	q	505	CLA	C2A-C1A-CHA	2.21	127.70	123.87
16	Y	509	CLA	CMB-C2B-C3B	2.21	131.75	126.55
16	B	1021	CLA	O2A-CGA-O1A	-2.21	118.10	123.63
16	y	510	CLA	O2A-CGA-O1A	-2.21	118.10	123.63
19	G	4017	BCR	C28-C27-C26	-2.21	110.11	114.06
16	g	513	CLA	O2A-CGA-O1A	-2.21	118.10	123.63
16	L	1502	CLA	C2A-C1A-CHA	2.21	127.70	123.87
16	A	1106	CLA	O2A-CGA-O1A	-2.21	118.10	123.63
16	W	510	CLA	O2A-CGA-O1A	-2.21	118.10	123.63
16	A	1013	CLA	CHB-C1B-NB	2.21	127.36	124.05
16	s	513	CLA	C2A-C1A-CHA	2.21	127.70	123.87
16	w	504	CLA	C2A-C1A-CHA	2.21	127.70	123.87
16	w	513	CLA	C2A-C1A-CHA	2.21	127.70	123.87
16	b	1210	CLA	CHD-C4C-C3C	2.21	127.99	124.77
16	t	508	CLA	C2A-C1A-CHA	2.21	127.70	123.87
16	a	1123	CLA	C2A-C1A-CHA	2.21	127.69	123.87
16	U	1503	CLA	C2A-C1A-CHA	2.21	127.69	123.87
13	R	103	LHG	C27-C26-C25	-2.21	103.22	114.37
16	b	1214	CLA	CHB-C1B-NB	2.21	127.36	124.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
13	i	103	LHG	C27-C26-C25	-2.21	103.22	114.37
16	y	515	CLA	CAA-C2A-C3A	-2.20	107.04	113.00
19	f	4016	BCR	C27-C26-C25	2.20	125.68	122.70
16	t	509	CLA	C2A-C1A-CHA	2.20	127.69	123.87
16	w	511	CLA	CMB-C2B-C1B	-2.20	122.06	125.42
16	U	1502	CLA	C2A-C1A-CHA	2.20	127.69	123.87
16	B	1236	CLA	O2A-CGA-O1A	-2.20	118.12	123.63
16	A	1130	CLA	CHB-C1B-NB	2.20	127.35	124.05
16	t	513	CLA	C1-C2-C3	-2.20	123.20	126.76
13	I	103	LHG	C27-C26-C25	-2.20	103.23	114.37
16	p	511	CLA	C2A-C1A-CHA	2.20	127.69	123.87
19	y	602	BCR	C7-C8-C9	-2.20	122.98	126.23
16	Z	508	CLA	C2A-C1A-CHA	2.20	127.69	123.87
16	A	1127	CLA	CMB-C2B-C3B	2.20	131.73	126.55
19	q	604	BCR	C28-C27-C26	-2.20	110.13	114.06
16	l	1503	CLA	C3B-C4B-NB	-2.20	108.57	110.53
13	R	103	LHG	C18-C17-C16	-2.20	103.25	114.37
16	H	1106	CLA	O2A-CGA-O1A	-2.20	118.12	123.63
16	a	1106	CLA	O2A-CGA-O1A	-2.20	118.13	123.63
16	H	1124	CLA	C3A-C2A-C1A	2.20	104.63	101.34
16	n	508	CLA	C2A-C1A-CHA	2.20	127.68	123.87
16	b	1012	CLA	O2A-CGA-O1A	-2.20	118.13	123.63
16	p	509	CLA	CAA-C2A-C3A	-2.20	107.06	113.00
16	H	1127	CLA	CMB-C2B-C3B	2.20	131.72	126.55
16	w	505	CLA	C2A-C1A-CHA	2.20	127.68	123.87
13	i	103	LHG	C18-C17-C16	-2.20	103.26	114.37
19	y	604	BCR	C1-C6-C5	-2.20	119.63	122.64
16	l	1503	CLA	CMB-C2B-C3B	2.20	131.72	126.55
16	A	1022	CLA	CHB-C1B-NB	2.20	127.35	124.05
16	Y	506	CLA	CAA-C2A-C3A	-2.20	107.06	113.00
16	s	509	CLA	CAA-C2A-C3A	-2.20	107.06	113.00
16	W	514	CLA	O2A-CGA-O1A	-2.20	118.13	123.63
16	v	517	CLA	CAA-C2A-C3A	-2.20	107.06	113.00
14	B	848	LMG	O7-C10-O9	-2.20	118.57	123.70
19	Q	4016	BCR	C27-C26-C25	2.20	125.67	122.70
19	q	604	BCR	C7-C8-C9	-2.20	122.98	126.23
16	H	1140	CLA	O2A-CGA-O1A	-2.20	118.13	123.63
16	G	1224	CLA	O2A-CGA-O1A	-2.20	118.13	123.63
19	R	4020	BCR	C33-C5-C6	-2.20	122.09	124.48
16	H	1237	CLA	CAA-C2A-C3A	-2.20	107.06	113.00
16	A	1111	CLA	C2A-C1A-CHA	2.20	127.68	123.87
16	B	1214	CLA	CHB-C1B-NB	2.20	127.34	124.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
19	B	4004	BCR	C28-C27-C26	-2.20	110.14	114.06
16	o	501	CLA	CAA-C2A-C3A	-2.20	107.06	113.00
19	A	4002	BCR	C11-C10-C9	-2.20	124.20	127.28
16	A	1131	CLA	CMB-C2B-C1B	-2.20	122.08	125.42
16	Y	507	CLA	C1-C2-C3	-2.20	122.60	126.20
16	w	508	CLA	C2A-C1A-CHA	2.20	127.68	123.87
16	p	501	CLA	O2A-CGA-O1A	-2.20	118.14	123.63
16	y	507	CLA	CAA-C2A-C3A	-2.20	107.07	113.00
16	y	508	CLA	C2A-C1A-CHA	2.20	127.68	123.87
16	h	506	CLA	C2A-C1A-CHA	2.20	127.68	123.87
16	a	1125	CLA	C2A-C1A-CHA	2.19	127.68	123.87
16	b	1224	CLA	O2A-CGA-O1A	-2.19	118.14	123.63
16	H	1132	CLA	O2A-CGA-O1A	-2.19	118.14	123.63
16	t	502	CLA	CAA-C2A-C3A	-2.19	107.07	113.00
16	a	1127	CLA	CMB-C2B-C3B	2.19	131.71	126.55
16	W	515	CLA	O2A-CGA-O1A	-2.19	118.14	123.63
16	A	1125	CLA	C2A-C1A-CHA	2.19	127.67	123.87
16	l	1502	CLA	C2A-C1A-CHA	2.19	127.67	123.87
16	Y	516	CLA	CMB-C2B-C1B	-2.19	122.08	125.42
16	Y	501	CLA	O2A-CGA-O1A	-2.19	118.14	123.63
16	A	1105	CLA	CMB-C2B-C1B	-2.19	122.08	125.42
16	G	1238	CLA	CMB-C2B-C1B	-2.19	122.08	125.42
16	H	1126	CLA	O2D-CGD-CBD	2.19	115.06	111.23
16	a	1111	CLA	C2A-C1A-CHA	2.19	127.67	123.87
13	I	103	LHG	C18-C17-C16	-2.19	103.29	114.37
16	n	514	CLA	O2A-CGA-O1A	-2.19	118.15	123.63
16	g	516	CLA	C2A-C1A-CHA	2.19	127.67	123.87
16	r	502	CLA	C2A-C1A-CHA	2.19	127.67	123.87
16	a	1105	CLA	CMB-C2B-C1B	-2.19	122.08	125.42
16	A	1126	CLA	O2D-CGD-CBD	2.19	115.06	111.23
16	s	507	CLA	C1-C2-C3	-2.19	122.61	126.20
16	U	1503	CLA	C3B-C4B-NB	-2.19	108.58	110.53
16	a	1131	CLA	CMB-C2B-C1B	-2.19	122.09	125.42
19	F	4016	BCR	C7-C8-C9	-2.19	123.00	126.23
16	B	1210	CLA	CHD-C4C-C3C	2.19	127.96	124.77
19	Y	601	BCR	C27-C26-C25	2.19	125.66	122.70
16	x	506	CLA	O2A-CGA-O1A	-2.19	118.16	123.63
16	v	510	CLA	O2A-CGA-O1A	-2.19	118.16	123.63
16	Z	516	CLA	C2A-C1A-CHA	2.19	127.66	123.87
16	b	1236	CLA	O2A-CGA-O1A	-2.19	118.16	123.63
16	y	506	CLA	C2A-C1A-CHA	2.19	127.66	123.87
16	h	509	CLA	C2A-C1A-CHA	2.19	127.66	123.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
19	f	4016	BCR	C15-C14-C13	-2.19	124.21	127.28
16	a	1140	CLA	O2A-CGA-O1A	-2.19	118.16	123.63
19	Z	604	BCR	C29-C30-C25	2.19	113.61	110.44
16	A	1132	CLA	O2A-CGA-O1A	-2.19	118.16	123.63
19	a	4002	BCR	C16-C15-C14	-2.19	119.05	123.52
16	A	1140	CLA	O2A-CGA-O1A	-2.18	118.16	123.63
16	Y	502	CLA	CMD-C2D-C3D	2.18	132.70	127.69
19	Z	604	BCR	C24-C23-C22	-2.18	123.00	126.23
16	Y	512	CLA	CMB-C2B-C3B	2.18	131.69	126.55
16	s	513	CLA	O2A-CGA-O1A	-2.18	118.17	123.63
19	Y	601	BCR	C28-C27-C26	-2.18	110.16	114.06
16	o	502	CLA	O2D-CGD-CBD	2.18	115.05	111.23
19	F	4016	BCR	C33-C5-C6	-2.18	122.10	124.48
16	x	509	CLA	CAA-C2A-C3A	-2.18	107.10	113.00
16	x	502	CLA	CAA-C2A-C3A	-2.18	107.10	113.00
16	G	1210	CLA	CHD-C4C-C3C	2.18	127.96	124.77
16	s	517	CLA	CAA-C2A-C3A	-2.18	107.10	113.00
19	w	604	BCR	C28-C27-C26	-2.18	110.17	114.06
16	o	509	CLA	CMB-C2B-C1B	-2.18	122.10	125.42
16	g	507	CLA	C2A-C1A-CHA	2.18	127.65	123.87
19	B	4017	BCR	C16-C17-C18	-2.18	124.22	127.28
19	G	4004	BCR	C15-C14-C13	-2.18	124.22	127.28
16	X	511	CLA	O2A-CGA-O1A	-2.18	118.17	123.63
16	s	511	CLA	CMB-C2B-C1B	-2.18	122.10	125.42
16	A	1119	CLA	O2A-CGA-O1A	-2.18	118.17	123.63
16	a	1132	CLA	O2A-CGA-O1A	-2.18	118.17	123.63
16	v	512	CLA	C3B-C4B-NB	-2.18	108.58	110.53
16	X	509	CLA	CHA-C1A-NA	-2.18	121.46	126.39
16	p	513	CLA	C2A-C1A-CHA	2.18	127.65	123.87
16	A	1013	CLA	CAA-C2A-C3A	-2.18	107.11	113.00
19	q	604	BCR	C15-C16-C17	-2.18	119.06	123.52
16	t	502	CLA	C3A-C2A-C1A	2.18	104.60	101.34
17	H	2001	PQN	C16-C17-C18	-2.18	108.72	115.97
19	a	4002	BCR	C11-C10-C9	-2.18	124.22	127.28
16	l	1503	CLA	C2A-C1A-CHA	2.18	127.65	123.87
19	i	4020	BCR	C33-C5-C6	-2.18	122.11	124.48
16	p	517	CLA	CAA-C2A-C3A	-2.18	107.11	113.00
16	H	1013	CLA	CAA-C2A-C3A	-2.18	107.11	113.00
16	Y	513	CLA	C2A-C1A-CHA	2.18	127.65	123.87
16	h	517	CLA	CAA-C2A-C3A	-2.18	107.11	113.00
16	v	505	CLA	CAA-C2A-C3A	-2.18	107.11	113.00
17	a	2001	PQN	C16-C17-C18	-2.18	108.73	115.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	A	1134	CLA	C2A-C1A-CHA	2.18	127.64	123.87
19	n	601	BCR	C29-C30-C25	2.18	113.60	110.44
19	u	604	BCR	C24-C23-C22	-2.18	123.02	126.23
16	h	506	CLA	C1-C2-C3	-2.18	122.63	126.20
16	g	505	CLA	C2A-C1A-CHA	2.18	127.64	123.87
16	o	516	CLA	C2A-C1A-CHA	2.18	127.64	123.87
16	H	1111	CLA	C2A-C1A-CHA	2.18	127.64	123.87
16	a	1013	CLA	CAA-C2A-C3A	-2.18	107.12	113.00
16	W	514	CLA	CAA-C2A-C3A	-2.17	107.12	113.00
16	Z	503	CLA	CAA-C2A-C3A	-2.17	107.12	113.00
16	Y	513	CLA	O2A-CGA-O1A	-2.17	118.19	123.63
19	v	604	BCR	C29-C30-C25	2.17	113.60	110.44
16	g	502	CLA	CAA-C2A-C3A	-2.17	107.13	113.00
16	n	514	CLA	CAA-C2A-C3A	-2.17	107.13	113.00
16	n	515	CLA	O2A-CGA-O1A	-2.17	118.19	123.63
16	Y	506	CLA	C3B-C4B-NB	-2.17	108.59	110.53
16	B	1220	CLA	CAA-C2A-C3A	-2.17	107.13	113.00
16	q	515	CLA	CAA-C2A-C3A	-2.17	107.13	113.00
16	G	1201	CLA	O2D-CGD-CBD	2.17	115.03	111.23
16	p	513	CLA	O2A-CGA-O1A	-2.17	118.19	123.63
19	p	603	BCR	C11-C10-C9	-2.17	124.23	127.28
19	H	4002	BCR	C16-C15-C14	-2.17	119.08	123.52
16	b	1238	CLA	CMB-C2B-C1B	-2.17	122.11	125.42
16	A	1124	CLA	C3A-C2A-C1A	2.17	104.59	101.34
16	s	516	CLA	C2A-C1A-CHA	2.17	127.64	123.87
16	B	1224	CLA	O2A-CGA-O1A	-2.17	118.20	123.63
16	r	513	CLA	C2A-C1A-CHA	2.17	127.64	123.87
19	Z	602	BCR	C33-C5-C6	-2.17	122.11	124.48
19	A	4002	BCR	C16-C15-C14	-2.17	119.08	123.52
16	Y	514	CLA	C1-C2-C3	-2.17	123.25	126.76
16	g	510	CLA	O2A-CGA-O1A	-2.17	118.20	123.63
15	H	1011	CL0	O2D-CGD-CBD	2.17	115.02	111.23
16	s	501	CLA	O2A-CGA-O1A	-2.17	118.20	123.63
14	a	4201	LMG	O7-C10-O9	-2.17	118.63	123.70
16	H	1125	CLA	C2A-C1A-CHA	2.17	127.63	123.87
17	A	2001	PQN	C16-C17-C18	-2.17	108.76	115.97
16	p	505	CLA	O2D-CGD-CBD	2.17	115.02	111.23
16	t	513	CLA	C2A-C1A-CHA	2.17	127.63	123.87
16	B	1235	CLA	C3A-C2A-C1A	2.17	104.59	101.34
19	y	603	BCR	C11-C10-C9	-2.17	124.24	127.28
19	x	603	BCR	C15-C14-C13	-2.17	124.24	127.28
16	v	510	CLA	CMB-C2B-C3B	2.17	131.65	126.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	a	1122	CLA	C2A-C1A-CHA	2.17	127.63	123.87
19	X	604	BCR	C7-C8-C9	-2.17	123.03	126.23
19	Z	602	BCR	C7-C8-C9	-2.17	123.03	126.23
19	X	601	BCR	C15-C16-C17	-2.17	119.08	123.52
16	B	1201	CLA	O2D-CGD-CBD	2.17	115.02	111.23
16	X	509	CLA	O2A-CGA-O1A	-2.17	118.21	123.63
16	a	1119	CLA	O2A-CGA-O1A	-2.17	118.21	123.63
16	B	1238	CLA	CMB-C2B-C1B	-2.17	122.12	125.42
16	H	1131	CLA	CMB-C2B-C1B	-2.17	122.12	125.42
19	J	4013	BCR	C3-C4-C5	-2.17	110.19	114.06
19	u	604	BCR	C15-C16-C17	-2.17	119.09	123.52
16	A	1138	CLA	C1-C2-C3	-2.17	122.65	126.20
16	Y	511	CLA	C2A-C1A-CHA	2.17	127.63	123.87
16	s	505	CLA	O2D-CGD-CBD	2.17	115.02	111.23
16	x	513	CLA	C2A-C1A-CHA	2.17	127.62	123.87
16	a	1124	CLA	C3A-C2A-C1A	2.17	104.58	101.34
19	o	601	BCR	C7-C8-C9	-2.17	123.03	126.23
16	a	1137	CLA	O2A-CGA-O1A	-2.16	118.21	123.63
19	I	4018	BCR	C16-C15-C14	-2.16	119.09	123.52
16	b	1220	CLA	CAA-C2A-C3A	-2.16	107.15	113.00
19	q	604	BCR	C29-C30-C25	2.16	113.58	110.44
16	G	1239	CLA	C2A-C1A-CHA	2.16	127.62	123.87
16	Y	502	CLA	CMD-C2D-C1D	-2.16	120.92	124.73
19	X	604	BCR	C27-C26-C25	2.16	125.63	122.70
16	H	1130	CLA	CHB-C1B-NB	2.16	127.30	124.05
16	A	1013	CLA	C4-C3-C2	-2.16	118.07	123.63
16	G	1220	CLA	CAA-C2A-C3A	-2.16	107.15	113.00
16	G	1234	CLA	CHA-C1A-NA	-2.16	121.49	126.39
16	r	512	CLA	CMB-C2B-C1B	-2.16	122.12	125.42
19	Z	604	BCR	C7-C8-C9	-2.16	123.03	126.23
16	b	1219	CLA	C2A-C1A-CHA	2.16	127.62	123.87
16	v	508	CLA	C2A-C1A-CHA	2.16	127.62	123.87
16	r	517	CLA	O2A-CGA-O1A	-2.16	118.22	123.63
15	A	1011	CL0	O2D-CGD-CBD	2.16	115.01	111.23
16	w	515	CLA	CAA-C2A-C3A	-2.16	107.16	113.00
19	H	4003	BCR	C15-C16-C17	-2.16	119.09	123.52
16	v	509	CLA	CAA-C2A-C3A	-2.16	107.16	113.00
16	y	509	CLA	CMB-C2B-C1B	-2.16	122.13	125.42
16	H	1022	CLA	CHB-C1B-NB	2.16	127.29	124.05
16	n	514	CLA	C2A-C1A-CHA	2.16	127.62	123.87
16	g	516	CLA	CMB-C2B-C3B	2.16	131.63	126.55
19	b	4005	BCR	C15-C16-C17	-2.16	119.10	123.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	s	701	LMG	O3-C3-C2	-2.16	105.28	110.38
19	Z	604	BCR	C15-C14-C13	-2.16	124.25	127.28
16	b	1235	CLA	C3A-C2A-C1A	2.16	104.57	101.34
19	p	602	BCR	C7-C8-C9	-2.16	123.04	126.23
19	s	602	BCR	C7-C8-C9	-2.16	123.04	126.23
16	w	509	CLA	O2A-CGA-O1A	-2.16	118.23	123.63
19	v	604	BCR	C27-C26-C25	2.16	125.62	122.70
16	y	512	CLA	C3B-C4B-NB	-2.16	108.60	110.53
16	u	507	CLA	C2A-C1A-CHA	2.16	127.61	123.87
19	n	603	BCR	C15-C14-C13	-2.16	124.25	127.28
16	u	516	CLA	C2A-C1A-CHA	2.16	127.61	123.87
16	w	507	CLA	C2A-C1A-CHA	2.16	127.61	123.87
16	G	1205	CLA	C1-C2-C3	-2.16	122.66	126.20
16	Z	505	CLA	C2A-C1A-CHA	2.16	127.61	123.87
16	n	504	CLA	O2A-CGA-O1A	-2.16	118.23	123.63
16	s	506	CLA	CAA-C2A-C3A	-2.16	107.17	113.00
19	I	4020	BCR	C33-C5-C6	-2.16	122.13	124.48
16	p	514	CLA	CAA-C2A-C3A	-2.16	107.17	113.00
16	s	509	CLA	C2A-C1A-CHA	2.16	127.61	123.87
16	t	517	CLA	O2A-CGA-O1A	-2.16	118.23	123.63
16	H	1013	CLA	C4-C3-C2	-2.16	118.09	123.63
14	A	4201	LMG	O7-C10-O9	-2.16	118.67	123.70
16	b	1201	CLA	O2A-CGA-O1A	-2.16	118.24	123.63
16	r	506	CLA	O2A-CGA-O1A	-2.16	118.24	123.63
19	S	4013	BCR	C3-C4-C5	-2.16	110.21	114.06
16	H	1106	CLA	CAA-C2A-C3A	-2.16	107.17	113.00
19	V	4021	BCR	C15-C14-C13	-2.15	124.26	127.28
16	b	1205	CLA	C3A-C2A-C1A	2.15	104.57	101.34
16	G	1227	CLA	O2D-CGD-CBD	2.15	115.00	111.23
19	X	603	BCR	C15-C14-C13	-2.15	124.26	127.28
16	G	1214	CLA	CHB-C1B-NB	2.15	127.28	124.05
16	o	503	CLA	CAA-C2A-C3A	-2.15	107.18	113.00
16	t	514	CLA	CAA-C2A-C3A	-2.15	107.18	113.00
14	H	4201	LMG	O7-C10-O9	-2.15	118.67	123.70
16	q	509	CLA	O2A-CGA-O1A	-2.15	118.24	123.63
19	s	603	BCR	C11-C10-C9	-2.15	124.26	127.28
16	y	516	CLA	C2A-C1A-CHA	2.15	127.60	123.87
16	h	505	CLA	C2A-C1A-CHA	2.15	127.60	123.87
19	b	4009	BCR	C38-C26-C27	-2.15	109.00	113.60
14	a	4101	LMG	O3-C3-C2	-2.15	105.30	110.38
14	p	701	LMG	O3-C3-C2	-2.15	105.30	110.38
14	H	4101	LMG	O3-C3-C2	-2.15	105.30	110.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	A	1101	CLA	O2A-CGA-O1A	-2.15	118.24	123.63
16	b	1223	CLA	C1-C2-C3	-2.15	122.67	126.20
16	a	1013	CLA	C4-C3-C2	-2.15	118.10	123.63
16	g	509	CLA	C2A-C1A-CHA	2.15	127.60	123.87
16	t	514	CLA	C2A-C1A-CHA	2.15	127.60	123.87
19	B	4004	BCR	C29-C30-C25	2.15	113.56	110.44
16	b	1234	CLA	CHA-C1A-NA	-2.15	121.52	126.39
16	A	1122	CLA	C2A-C1A-CHA	2.15	127.60	123.87
16	B	1239	CLA	C2A-C1A-CHA	2.15	127.60	123.87
16	H	1122	CLA	C2A-C1A-CHA	2.15	127.60	123.87
16	g	510	CLA	CHA-C1A-NA	-2.15	121.52	126.39
16	A	1106	CLA	C3A-C2A-C1A	2.15	104.56	101.34
16	v	516	CLA	C2A-C1A-CHA	2.15	127.60	123.87
19	Z	601	BCR	C24-C23-C22	-2.15	123.05	126.23
19	f	4016	BCR	C7-C8-C9	-2.15	123.05	126.23
16	H	1801	CLA	C2A-C1A-CHA	2.15	127.60	123.87
16	s	511	CLA	C2A-C1A-CHA	2.15	127.60	123.87
19	j	4013	BCR	C3-C4-C5	-2.15	110.22	114.06
16	B	1023	CLA	CMB-C2B-C1B	-2.15	122.14	125.42
16	a	1022	CLA	C2D-C1D-ND	-2.15	108.00	110.13
16	t	504	CLA	O2A-CGA-O1A	-2.15	118.25	123.63
19	a	4003	BCR	C15-C16-C17	-2.15	119.12	123.52
16	x	508	CLA	C2A-C1A-CHA	2.15	127.60	123.87
19	B	4017	BCR	C10-C11-C12	-2.15	116.97	123.20
16	B	1234	CLA	CHA-C1A-NA	-2.15	121.52	126.39
16	u	511	CLA	C3B-C4B-NB	-2.15	108.61	110.53
16	x	511	CLA	CMB-C2B-C3B	2.15	131.61	126.55
14	B	848	LMG	O1-C7-C8	-2.15	105.59	110.82
19	Z	603	BCR	C7-C8-C9	-2.15	123.06	126.23
16	W	517	CLA	O2A-CGA-O1A	-2.15	118.25	123.63
16	a	1101	CLA	O2A-CGA-O1A	-2.15	118.25	123.63
16	a	1130	CLA	CHB-C1B-NB	2.15	127.27	124.05
19	G	4017	BCR	C16-C17-C18	-2.15	124.27	127.28
16	B	1201	CLA	O2A-CGA-O1A	-2.15	118.26	123.63
16	y	513	CLA	C2A-C1A-CHA	2.15	127.59	123.87
16	a	1134	CLA	C2A-C1A-CHA	2.15	127.59	123.87
16	u	504	CLA	C2A-C1A-CHA	2.15	127.59	123.87
16	b	1201	CLA	O2D-CGD-CBD	2.15	114.98	111.23
16	H	1137	CLA	O2A-CGA-O1A	-2.15	118.26	123.63
16	G	1234	CLA	C1-C2-C3	-2.15	123.29	126.76
19	B	4009	BCR	C38-C26-C27	-2.15	109.02	113.60
16	r	509	CLA	CAA-C2A-C3A	-2.15	107.20	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	A	1107	CLA	O2A-CGA-O1A	-2.15	118.26	123.63
16	u	501	CLA	CAA-C2A-C3A	-2.15	107.20	113.00
19	W	601	BCR	C28-C27-C26	-2.15	110.23	114.06
16	A	1137	CLA	O2A-CGA-O1A	-2.15	118.26	123.63
16	H	1117	CLA	CMB-C2B-C3B	2.15	131.60	126.55
16	A	1125	CLA	O2A-CGA-O1A	-2.14	118.26	123.63
14	G	848	LMG	O1-C7-C8	-2.14	105.60	110.82
16	a	1106	CLA	CAA-C2A-C3A	-2.14	107.20	113.00
16	u	512	CLA	CMB-C2B-C3B	2.14	131.59	126.55
19	b	4004	BCR	C29-C30-C25	2.14	113.55	110.44
16	H	1119	CLA	O2A-CGA-O1A	-2.14	118.26	123.63
16	X	516	CLA	C2A-C1A-CHA	2.14	127.59	123.87
16	h	508	CLA	C2A-C1A-CHA	2.14	127.59	123.87
16	x	507	CLA	C2A-C1A-CHA	2.14	127.59	123.87
16	A	1117	CLA	CMB-C2B-C3B	2.14	131.59	126.55
16	B	1221	CLA	CMB-C2B-C3B	2.14	131.59	126.55
16	h	514	CLA	CAA-C2A-C3A	-2.14	107.21	113.00
16	n	517	CLA	O2A-CGA-O1A	-2.14	118.27	123.63
16	p	509	CLA	CMB-C2B-C3B	2.14	131.59	126.55
19	w	604	BCR	C7-C8-C9	-2.14	123.06	126.23
19	v	603	BCR	C11-C10-C9	-2.14	124.27	127.28
16	n	517	CLA	CMB-C2B-C1B	-2.14	122.16	125.42
16	A	1135	CLA	CHA-C1A-NA	-2.14	121.54	126.39
19	b	4017	BCR	C10-C11-C12	-2.14	116.99	123.20
16	s	509	CLA	O2A-CGA-O1A	-2.14	118.27	123.63
16	t	502	CLA	C2A-C1A-CHA	2.14	127.58	123.87
16	G	1205	CLA	C3A-C2A-C1A	2.14	104.55	101.34
19	G	4004	BCR	C29-C30-C25	2.14	113.55	110.44
16	a	1237	CLA	CAC-C3C-C4C	2.14	127.58	124.79
16	a	1135	CLA	CHA-C1A-NA	-2.14	121.54	126.39
16	W	506	CLA	C1-C2-C3	-2.14	122.69	126.20
16	H	1135	CLA	CHA-C1A-NA	-2.14	121.54	126.39
16	r	517	CLA	C2A-C1A-CHA	2.14	127.58	123.87
19	p	601	BCR	C15-C14-C13	-2.14	124.28	127.28
16	B	1205	CLA	C3A-C2A-C1A	2.14	104.55	101.34
15	a	1011	CL0	O2A-CGA-O1A	-2.14	118.27	123.63
16	o	502	CLA	C2A-C1A-CHA	2.14	127.58	123.87
16	b	1227	CLA	O2D-CGD-CBD	2.14	114.97	111.23
16	b	1204	CLA	O2A-CGA-O1A	-2.14	118.28	123.63
16	g	501	CLA	O2A-CGA-O1A	-2.14	118.28	123.63
16	G	1201	CLA	O2A-CGA-O1A	-2.14	118.28	123.63
16	b	1239	CLA	C2A-C1A-CHA	2.14	127.58	123.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	n	513	CLA	C2A-C1A-CHA	2.14	127.58	123.87
16	p	516	CLA	C2A-C1A-CHA	2.14	127.58	123.87
19	J	4012	BCR	C29-C30-C25	2.14	113.55	110.44
16	s	509	CLA	CMB-C2B-C3B	2.14	131.58	126.55
15	a	1011	CL0	O2D-CGD-CBD	2.14	114.97	111.23
19	b	4017	BCR	C16-C17-C18	-2.14	124.28	127.28
16	Z	517	CLA	O2A-CGA-O1A	-2.14	118.28	123.63
19	o	604	BCR	C29-C30-C25	2.14	113.55	110.44
19	A	4003	BCR	C15-C16-C17	-2.14	119.14	123.52
19	R	4018	BCR	C16-C15-C14	-2.14	119.14	123.52
16	v	514	CLA	CAA-C2A-C3A	-2.14	107.22	113.00
19	q	602	BCR	C7-C8-C9	-2.14	123.07	126.23
19	B	4017	BCR	C27-C26-C25	2.14	125.59	122.70
16	u	509	CLA	CHA-C1A-NA	-2.14	121.55	126.39
16	G	1235	CLA	C3A-C2A-C1A	2.14	104.54	101.34
14	A	4101	LMG	O3-C3-C2	-2.14	105.34	110.38
16	A	1106	CLA	CAA-C2A-C3A	-2.14	107.22	113.00
16	G	1203	CLA	C2A-C1A-CHA	2.14	127.58	123.87
16	Z	509	CLA	O2A-CGA-O1A	-2.14	118.28	123.63
16	b	1023	CLA	CMB-C2B-C1B	-2.14	122.17	125.42
19	j	4012	BCR	C29-C30-C25	2.14	113.54	110.44
16	Z	513	CLA	C2A-C1A-CHA	2.14	127.58	123.87
16	A	1022	CLA	C1D-ND-C4D	2.14	107.81	106.31
16	h	517	CLA	O2A-CGA-O1A	-2.14	118.28	123.63
16	H	1237	CLA	CAC-C3C-C4C	2.14	127.57	124.79
14	b	848	LMG	O1-C7-C8	-2.14	105.62	110.82
19	B	4005	BCR	C15-C16-C17	-2.14	119.15	123.52
16	H	1105	CLA	CMB-C2B-C1B	-2.14	122.17	125.42
16	x	512	CLA	CMB-C2B-C1B	-2.14	122.17	125.42
16	g	504	CLA	O2A-CGA-O1A	-2.14	118.29	123.63
16	G	1227	CLA	CAA-C2A-C3A	-2.14	107.23	113.00
16	Z	509	CLA	C2A-C1A-CHA	2.13	127.57	123.87
16	G	1219	CLA	C2A-C1A-CHA	2.13	127.57	123.87
19	r	601	BCR	C15-C14-C13	-2.13	124.28	127.28
16	r	517	CLA	CMB-C2B-C3B	2.13	131.57	126.55
16	g	506	CLA	CHC-C1C-NC	2.13	127.53	124.31
19	B	4010	BCR	C33-C5-C6	-2.13	122.16	124.48
16	B	1219	CLA	C2A-C1A-CHA	2.13	127.57	123.87
16	g	517	CLA	C2A-C1A-CHA	2.13	127.57	123.87
16	h	516	CLA	C2A-C1A-CHA	2.13	127.57	123.87
16	a	1117	CLA	CMB-C2B-C3B	2.13	131.57	126.55
19	Y	602	BCR	C7-C8-C9	-2.13	123.08	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	W	513	CLA	C2A-C1A-CHA	2.13	127.57	123.87
16	q	514	CLA	C2A-C1A-CHA	2.13	127.57	123.87
16	r	505	CLA	C2A-C1A-CHA	2.13	127.57	123.87
16	G	1023	CLA	C16-C15-C13	-2.13	108.87	115.97
16	B	1227	CLA	O2D-CGD-CBD	2.13	114.96	111.23
16	v	517	CLA	O2A-CGA-O1A	-2.13	118.29	123.63
16	b	1222	CLA	O2A-CGA-O1A	-2.13	118.29	123.63
16	H	1125	CLA	O2A-CGA-O1A	-2.13	118.29	123.63
16	s	507	CLA	C2A-C1A-CHA	2.13	127.57	123.87
16	v	504	CLA	C2A-C1A-CHA	2.13	127.57	123.87
16	g	504	CLA	CAA-C2A-C3A	-2.13	107.23	113.00
16	G	1224	CLA	CMB-C2B-C3B	2.13	131.57	126.55
16	Z	501	CLA	O2A-CGA-O1A	-2.13	118.29	123.63
16	W	514	CLA	C2A-C1A-CHA	2.13	127.57	123.87
16	Z	514	CLA	C2A-C1A-CHA	2.13	127.57	123.87
16	p	508	CLA	C2A-C1A-CHA	2.13	127.57	123.87
16	G	1221	CLA	CMB-C2B-C3B	2.13	131.57	126.55
19	G	4009	BCR	C38-C26-C27	-2.13	109.05	113.60
16	x	514	CLA	O2D-CGD-CBD	2.13	114.96	111.23
19	G	4017	BCR	C10-C11-C12	-2.13	117.02	123.20
16	b	1203	CLA	C2A-C1A-CHA	2.13	127.57	123.87
19	u	601	BCR	C7-C8-C9	-2.13	123.08	126.23
19	M	4021	BCR	C15-C14-C13	-2.13	124.29	127.28
19	i	4018	BCR	C16-C15-C14	-2.13	119.16	123.52
16	H	1101	CLA	O2A-CGA-O1A	-2.13	118.30	123.63
19	b	4017	BCR	C27-C26-C25	2.13	125.58	122.70
16	o	517	CLA	O2A-CGA-O1A	-2.13	118.30	123.63
16	G	1222	CLA	O2A-CGA-O1A	-2.13	118.30	123.63
16	t	515	CLA	O2A-CGA-O1A	-2.13	118.30	123.63
16	x	517	CLA	O2A-CGA-O1A	-2.13	118.30	123.63
16	H	1134	CLA	C2A-C1A-CHA	2.13	127.56	123.87
16	y	513	CLA	CAA-C2A-C3A	-2.13	107.24	113.00
16	G	1204	CLA	O2A-CGA-O1A	-2.13	118.30	123.63
16	b	1224	CLA	CMB-C2B-C3B	2.13	131.56	126.55
16	a	1022	CLA	C1D-ND-C4D	2.13	107.81	106.31
16	u	509	CLA	O2A-CGA-O1A	-2.13	118.30	123.63
16	Z	516	CLA	CAC-C3C-C4C	2.13	127.56	124.79
16	g	504	CLA	C2A-C1A-CHA	2.13	127.56	123.87
16	A	1022	CLA	C2D-C1D-ND	-2.13	108.02	110.13
16	o	505	CLA	O2A-CGA-O1A	-2.13	118.30	123.63
16	W	501	CLA	C1-C2-C3	-2.13	123.32	126.76
19	Q	4016	BCR	C7-C8-C9	-2.13	123.09	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	g	509	CLA	CAA-C2A-C3A	-2.13	107.25	113.00
19	w	602	BCR	C33-C5-C6	-2.13	122.16	124.48
14	Y	701	LMG	O3-C3-C2	-2.13	105.36	110.38
19	B	4017	BCR	C29-C30-C25	2.13	113.53	110.44
16	b	1023	CLA	C16-C15-C13	-2.13	108.89	115.97
15	H	1011	CL0	O2A-CGA-O1A	-2.13	118.31	123.63
16	G	1239	CLA	O2A-CGA-O1A	-2.13	118.31	123.63
16	X	504	CLA	C2A-C1A-CHA	2.13	127.56	123.87
16	x	517	CLA	C2A-C1A-CHA	2.13	127.56	123.87
16	r	508	CLA	O2D-CGD-CBD	2.13	114.95	111.23
16	q	517	CLA	O2A-CGA-O1A	-2.13	118.31	123.63
16	t	507	CLA	O2A-CGA-O1A	-2.13	118.31	123.63
16	h	505	CLA	CAA-C2A-C3A	-2.13	107.25	113.00
16	B	1023	CLA	C16-C15-C13	-2.13	108.90	115.97
16	Y	504	CLA	O2A-CGA-O1A	-2.13	118.31	123.63
16	A	1237	CLA	CAC-C3C-C4C	2.13	127.56	124.79
16	X	509	CLA	CAA-C2A-C3A	-2.13	107.25	113.00
16	b	1221	CLA	CMB-C2B-C3B	2.13	131.55	126.55
16	b	1234	CLA	C1-C2-C3	-2.13	123.32	126.76
16	t	501	CLA	C1-C2-C3	-2.13	123.32	126.76
16	A	1112	CLA	C2A-C1A-CHA	2.13	127.56	123.87
16	W	512	CLA	C2A-C1A-CHA	2.13	127.56	123.87
19	y	602	BCR	C11-C10-C9	-2.13	124.30	127.28
16	W	501	CLA	O2A-CGA-O1A	-2.13	118.31	123.63
16	b	1223	CLA	C2A-C1A-CHA	2.13	127.56	123.87
16	B	1212	CLA	C2A-C1A-CHA	2.12	127.55	123.87
19	G	4005	BCR	C15-C16-C17	-2.12	119.17	123.52
16	Y	509	CLA	O2A-CGA-O1A	-2.12	118.31	123.63
16	H	1112	CLA	C2A-C1A-CHA	2.12	127.55	123.87
19	G	4006	BCR	C30-C25-C26	-2.12	119.73	122.64
16	w	517	CLA	O2A-CGA-O1A	-2.12	118.32	123.63
19	Z	601	BCR	C15-C16-C17	-2.12	119.17	123.52
16	b	1227	CLA	CAA-C2A-C3A	-2.12	107.26	113.00
19	u	604	BCR	C29-C30-C25	2.12	113.52	110.44
16	y	513	CLA	O2A-CGA-O1A	-2.12	118.32	123.63
16	q	510	CLA	CHA-C1A-NA	-2.12	121.59	126.39
16	a	1801	CLA	C2A-C1A-CHA	2.12	127.55	123.87
16	n	502	CLA	C2A-C1A-CHA	2.12	127.55	123.87
16	W	502	CLA	O2A-CGA-O1A	-2.12	118.32	123.63
16	b	1239	CLA	O2A-CGA-O1A	-2.12	118.32	123.63
16	t	509	CLA	CAA-C2A-C3A	-2.12	107.27	113.00
19	S	4012	BCR	C29-C30-C25	2.12	113.52	110.44

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	B	1223	CLA	C2A-C1A-CHA	2.12	127.55	123.87
19	b	4006	BCR	C30-C25-C26	-2.12	119.74	122.64
19	X	601	BCR	C16-C15-C14	-2.12	119.18	123.52
17	A	2001	PQN	C2M-C2-C3	-2.12	120.97	124.45
16	g	517	CLA	O2A-CGA-O1A	-2.12	118.33	123.63
19	s	601	BCR	C27-C26-C25	2.12	125.57	122.70
17	H	2001	PQN	C2M-C2-C3	-2.12	120.97	124.45
16	Y	507	CLA	C2A-C1A-CHA	2.12	127.55	123.87
19	q	602	BCR	C11-C10-C9	-2.12	124.31	127.28
19	W	601	BCR	C7-C8-C9	-2.12	123.10	126.23
16	a	1106	CLA	C3A-C2A-C1A	2.12	104.51	101.34
16	A	1128	CLA	C2A-C1A-CHA	2.12	127.54	123.87
16	A	1801	CLA	C2A-C1A-CHA	2.12	127.54	123.87
16	v	513	CLA	O2A-CGA-O1A	-2.12	118.33	123.63
16	G	1215	CLA	C3A-C2A-C1A	2.12	104.51	101.34
16	B	1234	CLA	C1-C2-C3	-2.12	123.33	126.76
16	b	1230	CLA	CAA-C2A-C3A	-2.12	107.28	113.00
19	m	4021	BCR	C15-C14-C13	-2.12	124.31	127.28
19	U	4019	BCR	C11-C10-C9	-2.12	124.31	127.28
16	r	516	CLA	CMB-C2B-C3B	2.12	131.53	126.55
16	B	1205	CLA	C1-C2-C3	-2.12	122.73	126.20
16	a	1112	CLA	C2A-C1A-CHA	2.12	127.54	123.87
16	Y	505	CLA	O2D-CGD-CBD	2.12	114.93	111.23
16	o	501	CLA	O2D-CGD-CBD	2.12	114.93	111.23
19	w	604	BCR	C29-C30-C25	2.12	113.51	110.44
16	a	1107	CLA	O2A-CGA-O1A	-2.12	118.33	123.63
16	G	1212	CLA	C2A-C1A-CHA	2.12	127.54	123.87
16	G	1223	CLA	C1-C2-C3	-2.12	122.73	126.20
19	j	4012	BCR	C27-C26-C25	2.12	125.56	122.70
16	g	508	CLA	C2A-C1A-CHA	2.12	127.54	123.87
13	H	849	LHG	C27-C26-C25	-2.12	103.68	114.37
16	h	513	CLA	O2A-CGA-O1A	-2.11	118.34	123.63
16	w	510	CLA	O2D-CGD-CBD	2.11	114.93	111.23
16	H	1108	CLA	CMB-C2B-C1B	-2.11	122.20	125.42
19	r	602	BCR	C1-C6-C5	-2.11	119.75	122.64
16	B	1223	CLA	C1-C2-C3	-2.11	122.73	126.20
16	s	508	CLA	C2A-C1A-CHA	2.11	127.54	123.87
19	G	4009	BCR	C15-C14-C13	-2.11	124.31	127.28
16	B	1204	CLA	O2A-CGA-O1A	-2.11	118.34	123.63
16	b	1225	CLA	O2A-CGA-O1A	-2.11	118.34	123.63
13	a	849	LHG	C27-C26-C25	-2.11	103.68	114.37
16	n	512	CLA	CMB-C2B-C1B	-2.11	122.20	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
19	h	604	BCR	C28-C27-C26	-2.11	110.29	114.06
16	Y	516	CLA	C2A-C1A-CHA	2.11	127.53	123.87
16	b	1212	CLA	C2A-C1A-CHA	2.11	127.53	123.87
16	a	1125	CLA	O2A-CGA-O1A	-2.11	118.34	123.63
16	H	1022	CLA	C2D-C1D-ND	-2.11	108.03	110.13
16	Z	502	CLA	CMD-C2D-C3D	2.11	132.53	127.69
16	a	1116	CLA	C1-C2-C3	-2.11	122.74	126.20
16	n	502	CLA	O2A-CGA-O1A	-2.11	118.34	123.63
16	H	1106	CLA	C3A-C2A-C1A	2.11	104.50	101.34
16	B	1227	CLA	CAA-C2A-C3A	-2.11	107.29	113.00
16	X	505	CLA	O2A-CGA-O1A	-2.11	118.34	123.63
16	y	517	CLA	O2A-CGA-O1A	-2.11	118.34	123.63
16	B	1215	CLA	C2A-C1A-CHA	2.11	127.53	123.87
16	Z	515	CLA	C1-C2-C3	-2.11	122.74	126.20
19	w	601	BCR	C16-C15-C14	-2.11	119.20	123.52
15	A	1011	CL0	O2A-CGA-O1A	-2.11	118.35	123.63
16	A	1128	CLA	O2A-CGA-O1A	-2.11	118.35	123.63
19	s	601	BCR	C29-C30-C25	2.11	113.51	110.44
19	k	1501	BCR	C40-C30-C25	2.11	113.55	110.24
16	Z	504	CLA	C2A-C1A-CHA	2.11	127.53	123.87
16	o	504	CLA	C2A-C1A-CHA	2.11	127.53	123.87
16	h	503	CLA	C2A-C1A-CHA	2.11	127.53	123.87
16	B	1224	CLA	CMB-C2B-C3B	2.11	131.51	126.55
16	A	1139	CLA	O2A-CGA-O1A	-2.11	118.35	123.63
16	a	1108	CLA	CMB-C2B-C1B	-2.11	122.20	125.42
19	Z	601	BCR	C40-C30-C25	2.11	113.55	110.24
19	q	603	BCR	C7-C8-C9	-2.11	123.11	126.23
16	q	509	CLA	C2A-C1A-CHA	2.11	127.53	123.87
20	U	4101	LMT	C3'-C4'-C5'	-2.11	106.25	110.93
19	G	4014	BCR	C16-C15-C14	-2.11	119.20	123.52
16	Z	517	CLA	C3A-C2A-C1A	2.11	104.50	101.34
19	G	4010	BCR	C33-C5-C6	-2.11	122.18	124.48
19	t	601	BCR	C7-C8-C9	-2.11	123.11	126.23
16	B	1239	CLA	O2A-CGA-O1A	-2.11	118.35	123.63
16	y	504	CLA	C2A-C1A-CHA	2.11	127.53	123.87
16	u	514	CLA	C2A-C1A-CHA	2.11	127.53	123.87
19	B	4006	BCR	C30-C25-C26	-2.11	119.75	122.64
13	A	849	LHG	C27-C26-C25	-2.11	103.70	114.37
16	A	1116	CLA	C1-C2-C3	-2.11	122.74	126.20
16	W	508	CLA	O2A-CGA-O1A	-2.11	118.35	123.63
16	p	509	CLA	O2A-CGA-O1A	-2.11	118.35	123.63
16	n	503	CLA	C2A-C1A-CHA	2.11	127.53	123.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	B	1230	CLA	CAA-C2A-C3A	-2.11	107.30	113.00
19	l	4019	BCR	C11-C10-C9	-2.11	124.32	127.28
16	r	509	CLA	C2A-C1A-CHA	2.11	127.53	123.87
16	B	1231	CLA	CMB-C2B-C3B	2.11	131.51	126.55
14	a	4101	LMG	O7-C10-O9	-2.11	118.78	123.70
16	o	509	CLA	CHA-C1A-NA	-2.11	121.62	126.39
16	o	509	CLA	O2A-CGA-O1A	-2.11	118.36	123.63
16	A	1120	CLA	O2D-CGD-CBD	2.11	114.92	111.23
16	J	1302	CLA	C2A-C1A-CHA	2.11	127.53	123.87
16	v	509	CLA	O2A-CGA-O1A	-2.11	118.36	123.63
16	H	1138	CLA	C1-C2-C3	-2.11	122.74	126.20
16	W	510	CLA	CHA-C1A-NA	-2.11	121.62	126.39
16	h	505	CLA	O2A-CGA-O1A	-2.11	118.36	123.63
16	G	1230	CLA	CAA-C2A-C3A	-2.11	107.31	113.00
16	p	506	CLA	C2A-C1A-CHA	2.11	127.52	123.87
16	b	1231	CLA	CMB-C2B-C3B	2.11	131.50	126.55
16	w	514	CLA	C2A-C1A-CHA	2.11	127.52	123.87
19	b	4017	BCR	C29-C30-C25	2.11	113.50	110.44
16	b	1205	CLA	C1-C2-C3	-2.11	122.75	126.20
16	H	1129	CLA	O2A-CGA-O1A	-2.11	118.36	123.63
16	H	1139	CLA	O2A-CGA-O1A	-2.11	118.36	123.63
16	a	1128	CLA	C2A-C1A-CHA	2.11	127.52	123.87
16	b	1228	CLA	C2A-C1A-CHA	2.11	127.52	123.87
16	r	507	CLA	C2A-C1A-CHA	2.11	127.52	123.87
16	t	507	CLA	C2A-C1A-CHA	2.11	127.52	123.87
14	A	4101	LMG	O1-C7-C8	-2.11	105.70	110.82
16	u	505	CLA	O2A-CGA-O1A	-2.11	118.36	123.63
16	H	1107	CLA	O2A-CGA-O1A	-2.10	118.36	123.63
16	q	514	CLA	C1-C2-C3	-2.10	123.36	126.76
16	A	1101	CLA	O2D-CGD-CBD	2.10	114.91	111.23
19	B	4014	BCR	C16-C15-C14	-2.10	119.21	123.52
19	b	4017	BCR	C16-C15-C14	-2.10	119.21	123.52
16	a	1129	CLA	O2A-CGA-O1A	-2.10	118.36	123.63
16	r	508	CLA	C2A-C1A-CHA	2.10	127.52	123.87
16	B	1226	CLA	CHC-C1C-NC	2.10	127.48	124.31
16	u	517	CLA	O2A-CGA-O1A	-2.10	118.36	123.63
19	B	4017	BCR	C15-C16-C17	-2.10	119.21	123.52
19	n	601	BCR	C27-C26-C25	2.10	125.55	122.70
16	G	1225	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
19	a	4011	BCR	C16-C15-C14	-2.10	119.22	123.52
19	y	602	BCR	C33-C5-C6	-2.10	122.19	124.48
16	X	514	CLA	C2A-C1A-CHA	2.10	127.52	123.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	4101	LMG	O7-C10-O9	-2.10	118.79	123.70
16	G	1231	CLA	CMB-C2B-C3B	2.10	131.49	126.55
16	n	507	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
16	B	1222	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
16	X	510	CLA	O2D-CGD-CBD	2.10	114.90	111.23
16	o	514	CLA	C2A-C1A-CHA	2.10	127.51	123.87
16	H	1128	CLA	C2A-C1A-CHA	2.10	127.51	123.87
16	q	501	CLA	O2A-CGA-O1A	-2.10	118.37	123.63
19	K	1501	BCR	C40-C30-C25	2.10	113.54	110.24
16	t	508	CLA	O2A-CGA-O1A	-2.10	118.38	123.63
17	a	2001	PQN	C2M-C2-C3	-2.10	121.00	124.45
16	n	507	CLA	C2A-C1A-CHA	2.10	127.51	123.87
16	G	1023	CLA	CMB-C2B-C1B	-2.10	122.22	125.42
16	H	1116	CLA	C1-C2-C3	-2.10	122.76	126.20
16	B	1225	CLA	O2A-CGA-O1A	-2.10	118.38	123.63
17	H	2001	PQN	C16-C15-C13	-2.10	108.36	113.47
16	t	510	CLA	CHA-C1A-NA	-2.10	121.64	126.39
16	Y	514	CLA	C2A-C1A-CHA	2.10	127.51	123.87
16	p	510	CLA	C2A-C1A-CHA	2.10	127.51	123.87
16	w	501	CLA	O2A-CGA-O1A	-2.10	118.38	123.63
16	y	505	CLA	O2A-CGA-O1A	-2.10	118.38	123.63
16	a	1139	CLA	O2A-CGA-O1A	-2.10	118.38	123.63
16	u	504	CLA	O2A-CGA-O1A	-2.10	118.38	123.63
16	w	510	CLA	CHA-C1A-NA	-2.10	121.64	126.39
19	b	4017	BCR	C15-C16-C17	-2.10	119.23	123.52
16	X	501	CLA	O2D-CGD-CBD	2.10	114.90	111.23
16	n	509	CLA	C2A-C1A-CHA	2.10	127.51	123.87
16	a	1138	CLA	C1-C2-C3	-2.10	122.76	126.20
16	W	512	CLA	CMB-C2B-C1B	-2.10	122.23	125.42
16	B	1203	CLA	C2A-C1A-CHA	2.10	127.51	123.87
16	Z	507	CLA	C2A-C1A-CHA	2.10	127.51	123.87
16	x	505	CLA	C2A-C1A-CHA	2.10	127.51	123.87
19	o	604	BCR	C27-C26-C25	2.10	125.54	122.70
16	a	1126	CLA	O2A-CGA-O1A	-2.10	118.38	123.63
16	Y	513	CLA	CAA-C2A-C3A	-2.10	107.33	113.00
16	Z	505	CLA	CAA-C2A-C3A	-2.10	107.33	113.00
16	t	506	CLA	C1-C2-C3	-2.10	122.76	126.20
19	S	4012	BCR	C27-C26-C25	2.10	125.54	122.70
16	x	502	CLA	C2A-C1A-CHA	2.10	127.50	123.87
16	q	514	CLA	O2A-CGA-O1A	-2.10	118.39	123.63
19	b	4009	BCR	C15-C14-C13	-2.10	124.34	127.28
16	Z	512	CLA	CMB-C2B-C3B	2.10	131.48	126.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	H	1115	CLA	CMB-C2B-C1B	-2.10	122.23	125.42
19	X	604	BCR	C29-C30-C25	2.09	113.48	110.44
16	H	1128	CLA	O2A-CGA-O1A	-2.09	118.39	123.63
16	a	1101	CLA	O2D-CGD-CBD	2.09	114.89	111.23
16	A	1114	CLA	C2A-C1A-CHA	2.09	127.50	123.87
16	g	512	CLA	CMB-C2B-C3B	2.09	131.48	126.55
19	x	601	BCR	C15-C14-C13	-2.09	124.34	127.28
19	A	4011	BCR	C16-C15-C14	-2.09	119.23	123.52
19	G	4017	BCR	C16-C15-C14	-2.09	119.23	123.52
20	L	4101	LMT	C3'-C4'-C5'	-2.09	106.29	110.93
19	n	601	BCR	C7-C8-C9	-2.09	123.14	126.23
16	A	1116	CLA	O2A-CGA-O1A	-2.09	118.39	123.63
16	A	1129	CLA	O2A-CGA-O1A	-2.09	118.39	123.63
19	b	4010	BCR	C33-C5-C6	-2.09	122.20	124.48
16	B	1228	CLA	C2A-C1A-CHA	2.09	127.50	123.87
19	u	604	BCR	C27-C26-C25	2.09	125.53	122.70
16	H	1013	CLA	CHA-C1A-NA	-2.09	121.65	126.39
19	b	4014	BCR	C16-C15-C14	-2.09	119.24	123.52
19	n	601	BCR	C28-C27-C26	-2.09	110.32	114.06
16	A	1108	CLA	CMB-C2B-C1B	-2.09	122.23	125.42
16	h	504	CLA	C2A-C1A-CHA	2.09	127.50	123.87
19	G	4017	BCR	C27-C26-C25	2.09	125.53	122.70
16	v	505	CLA	C2A-C1A-CHA	2.09	127.50	123.87
16	X	501	CLA	O2A-CGA-O1A	-2.09	118.40	123.63
16	t	502	CLA	O2A-CGA-O1A	-2.09	118.40	123.63
19	S	4012	BCR	C28-C27-C26	-2.09	110.33	114.06
16	G	1226	CLA	CHC-C1C-NC	2.09	127.46	124.31
19	L	4019	BCR	C11-C10-C9	-2.09	124.34	127.28
16	X	514	CLA	O2A-CGA-O1A	-2.09	118.40	123.63
16	h	515	CLA	CAA-C2A-C3A	-2.09	107.35	113.00
17	A	2001	PQN	C16-C15-C13	-2.09	108.37	113.47
19	v	604	BCR	C24-C23-C22	-2.09	123.14	126.23
19	a	4001	BCR	C33-C5-C6	-2.09	122.20	124.48
16	t	513	CLA	O2A-CGA-O1A	-2.09	118.40	123.63
16	A	1126	CLA	C2A-C1A-CHA	2.09	127.49	123.87
16	h	513	CLA	C2A-C1A-CHA	2.09	127.49	123.87
16	s	506	CLA	C2A-C1A-CHA	2.09	127.49	123.87
16	v	513	CLA	C2A-C1A-CHA	2.09	127.49	123.87
19	G	4014	BCR	C15-C14-C13	-2.09	124.35	127.28
16	A	1134	CLA	O2A-CGA-O1A	-2.09	117.96	123.33
16	r	501	CLA	O2A-CGA-O1A	-2.09	118.40	123.63
19	A	4001	BCR	C33-C5-C6	-2.09	122.20	124.48

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	4101	LMG	O7-C10-O9	-2.09	118.82	123.70
16	G	1228	CLA	C2A-C1A-CHA	2.09	127.49	123.87
19	Y	603	BCR	C24-C23-C22	-2.09	123.14	126.23
19	Z	603	BCR	C24-C23-C22	-2.09	123.14	126.23
16	n	503	CLA	CAA-C2A-C3A	-2.09	107.35	113.00
16	A	1126	CLA	O2A-CGA-O1A	-2.09	118.40	123.63
16	l	1503	CLA	O2A-CGA-O1A	-2.09	118.40	123.63
19	T	1501	BCR	C40-C30-C25	2.09	113.52	110.24
16	b	1215	CLA	C3A-C2A-C1A	2.09	104.47	101.34
16	p	506	CLA	CAA-C2A-C3A	-2.09	107.36	113.00
16	a	1134	CLA	O2A-CGA-O1A	-2.09	117.96	123.33
16	Z	509	CLA	CMB-C2B-C3B	2.09	131.46	126.55
16	h	509	CLA	CAA-C2A-C3A	-2.09	107.36	113.00
16	Y	505	CLA	C2A-C1A-CHA	2.09	127.49	123.87
16	j	1302	CLA	C2A-C1A-CHA	2.09	127.49	123.87
16	H	1126	CLA	O2A-CGA-O1A	-2.09	118.41	123.63
16	b	1023	CLA	C2A-C1A-CHA	2.09	127.49	123.87
16	n	513	CLA	C1-C2-C3	-2.09	123.39	126.76
19	B	4014	BCR	C29-C30-C25	2.09	113.47	110.44
16	W	508	CLA	C2A-C1A-CHA	2.09	127.49	123.87
16	q	507	CLA	C2A-C1A-CHA	2.09	127.49	123.87
16	r	503	CLA	C2A-C1A-CHA	2.09	127.49	123.87
16	G	1223	CLA	C2A-C1A-CHA	2.09	127.49	123.87
16	L	1503	CLA	O2A-CGA-O1A	-2.09	118.41	123.63
19	n	601	BCR	C11-C10-C9	-2.09	124.35	127.28
14	A	852	LMG	O7-C10-O9	-2.09	118.83	123.70
14	H	852	LMG	O7-C10-O9	-2.09	118.83	123.70
16	Y	509	CLA	C2A-C1A-CHA	2.09	127.49	123.87
16	G	1206	CLA	C2A-C1A-CHA	2.09	127.49	123.87
19	b	4014	BCR	C29-C30-C25	2.09	113.47	110.44
16	B	1215	CLA	C3A-C2A-C1A	2.09	104.46	101.34
16	H	1134	CLA	O2A-CGA-O1A	-2.09	117.97	123.33
16	H	1114	CLA	C2A-C1A-CHA	2.09	127.49	123.87
16	A	1111	CLA	CHA-C1A-NA	-2.09	121.67	126.39
16	H	1136	CLA	O2D-CGD-CBD	2.09	114.88	111.23
20	L	4101	LMT	O5B-C5B-C4B	2.08	113.46	109.70
16	n	510	CLA	CHA-C1A-NA	-2.08	121.67	126.39
16	S	1302	CLA	C2A-C1A-CHA	2.08	127.48	123.87
16	x	501	CLA	O2A-CGA-O1A	-2.08	118.41	123.63
16	x	509	CLA	C2A-C1A-CHA	2.08	127.48	123.87
16	n	508	CLA	O2A-CGA-O1A	-2.08	118.42	123.63
16	X	501	CLA	CAA-C2A-C3A	-2.08	107.37	113.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	H	4101	LMG	O1-C7-C8	-2.08	105.75	110.82
16	B	1023	CLA	C2A-C1A-CHA	2.08	127.48	123.87
16	b	1238	CLA	CAA-C2A-C3A	-2.08	107.37	113.00
16	H	1138	CLA	C3A-C2A-C1A	2.08	104.46	101.34
19	B	4017	BCR	C16-C15-C14	-2.08	119.26	123.52
16	u	507	CLA	CAA-C2A-C3A	-2.08	107.37	113.00
19	r	604	BCR	C7-C8-C9	-2.08	123.15	126.23
16	W	505	CLA	C2A-C1A-CHA	2.08	127.48	123.87
20	l	4101	LMT	C3'-C4'-C5'	-2.08	106.31	110.93
20	l	4101	LMT	O5B-C5B-C4B	2.08	113.45	109.70
14	A	4201	LMG	O3-C3-C2	-2.08	105.47	110.38
16	s	502	CLA	C1-C2-C3	-2.08	123.39	126.76
16	A	1136	CLA	CHB-C1B-NB	2.08	127.17	124.05
16	A	1136	CLA	O2D-CGD-CBD	2.08	114.87	111.23
16	B	1214	CLA	O2D-CGD-CBD	2.08	114.87	111.23
16	G	1238	CLA	CAA-C2A-C3A	-2.08	107.38	113.00
16	b	1226	CLA	CHC-C1C-NC	2.08	127.44	124.31
16	G	1023	CLA	C2A-C1A-CHA	2.08	127.48	123.87
16	A	1109	CLA	CMB-C2B-C1B	-2.08	122.25	125.42
16	a	1115	CLA	CMB-C2B-C1B	-2.08	122.25	125.42
20	U	4101	LMT	O5B-C5B-C4B	2.08	113.45	109.70
16	Y	510	CLA	CHA-C1A-NA	-2.08	121.68	126.39
16	y	503	CLA	C2A-C1A-CHA	2.08	127.48	123.87
19	y	604	BCR	C31-C1-C6	2.08	113.50	110.24
19	q	601	BCR	C40-C30-C25	2.08	113.50	110.24
19	X	601	BCR	C7-C8-C9	-2.08	123.16	126.23
16	a	1114	CLA	C2A-C1A-CHA	2.08	127.48	123.87
19	s	601	BCR	C7-C8-C9	-2.08	123.16	126.23
16	H	1130	CLA	CHA-C1A-NA	-2.08	121.68	126.39
19	G	4017	BCR	C15-C16-C17	-2.08	119.27	123.52
16	Y	506	CLA	C2A-C1A-CHA	2.08	127.47	123.87
16	t	501	CLA	O2A-CGA-O1A	-2.08	118.43	123.63
16	H	1120	CLA	O2D-CGD-CBD	2.08	114.86	111.23
19	H	4011	BCR	C16-C15-C14	-2.08	119.27	123.52
19	q	604	BCR	C15-C14-C13	-2.08	124.36	127.28
16	l	1501	CLA	CBA-CAA-C2A	2.08	119.98	113.79
16	H	1116	CLA	O2A-CGA-O1A	-2.08	118.43	123.63
16	v	514	CLA	O2A-CGA-O1A	-2.08	118.43	123.63
19	B	4009	BCR	C15-C14-C13	-2.08	124.36	127.28
16	U	1501	CLA	CBA-CAA-C2A	2.08	119.97	113.79
16	a	1128	CLA	O2A-CGA-O1A	-2.08	118.43	123.63
19	j	4012	BCR	C28-C27-C26	-2.08	110.35	114.06

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	X	501	CLA	C2A-C1A-CHA	2.08	127.47	123.87
16	H	1126	CLA	C2A-C1A-CHA	2.08	127.47	123.87
16	x	503	CLA	C2A-C1A-CHA	2.08	127.47	123.87
16	G	1215	CLA	C2A-C1A-CHA	2.08	127.47	123.87
16	b	1228	CLA	CMB-C2B-C1B	-2.08	122.26	125.42
16	t	512	CLA	CMB-C2B-C1B	-2.08	122.26	125.42
16	y	509	CLA	O2D-CGD-CBD	2.08	114.86	111.23
19	J	4012	BCR	C28-C27-C26	-2.08	110.35	114.06
19	X	604	BCR	C28-C27-C26	-2.08	110.35	114.06
16	p	504	CLA	O2A-CGA-O1A	-2.08	118.44	123.63
16	W	503	CLA	CMB-C2B-C3B	2.08	131.43	126.55
16	A	1129	CLA	O2D-CGD-CBD	2.08	114.86	111.23
16	a	1111	CLA	CHA-C1A-NA	-2.08	121.69	126.39
16	H	1109	CLA	O1D-CGD-CBD	2.07	128.61	124.52
16	Y	510	CLA	CAA-C2A-C3A	-2.07	107.39	113.00
19	Z	601	BCR	C7-C8-C9	-2.07	123.17	126.23
16	Z	514	CLA	C1-C2-C3	-2.07	123.41	126.76
16	b	1206	CLA	C2A-C1A-CHA	2.07	127.47	123.87
16	H	1101	CLA	O2D-CGD-CBD	2.07	114.86	111.23
14	s	701	LMG	O2-C2-C1	-2.07	105.13	110.08
19	o	604	BCR	C24-C23-C22	-2.07	123.17	126.23
19	x	603	BCR	C7-C8-C9	-2.07	123.17	126.23
16	s	510	CLA	C2A-C1A-CHA	2.07	127.47	123.87
16	h	504	CLA	O2A-CGA-O1A	-2.07	118.44	123.63
19	Z	601	BCR	C11-C10-C9	-2.07	124.37	127.28
16	A	1128	CLA	C3B-C4B-NB	-2.07	108.68	110.53
16	n	501	CLA	C1-C2-C3	-2.07	123.41	126.76
16	n	513	CLA	O2A-CGA-O1A	-2.07	118.44	123.63
16	p	513	CLA	CAA-C2A-C3A	-2.07	107.40	113.00
16	A	1107	CLA	CAA-C2A-C1A	-2.07	105.18	111.97
16	o	512	CLA	CMB-C2B-C3B	2.07	131.42	126.55
16	q	507	CLA	C1-C2-C3	-2.07	122.80	126.20
16	u	502	CLA	C2A-C1A-CHA	2.07	127.46	123.87
16	L	1501	CLA	CBA-CAA-C2A	2.07	119.96	113.79
16	B	1228	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
19	g	604	BCR	C7-C8-C9	-2.07	123.17	126.23
16	y	509	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
16	v	505	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
16	G	1214	CLA	O2D-CGD-CBD	2.07	114.85	111.23
16	a	1130	CLA	CHA-C1A-NA	-2.07	121.70	126.39
16	o	515	CLA	CAA-C2A-C3A	-2.07	107.40	113.00
16	w	509	CLA	CHA-C1A-NA	-2.07	121.70	126.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
19	k	1501	BCR	C38-C26-C27	-2.07	109.18	113.60
16	h	512	CLA	C3B-C4B-NB	-2.07	108.68	110.53
16	a	1114	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
19	q	602	BCR	C40-C30-C25	2.07	113.49	110.24
16	Z	509	CLA	CHA-C1A-NA	-2.07	121.70	126.39
16	G	1214	CLA	CHA-C1A-NA	-2.07	121.70	126.39
16	B	1231	CLA	CMA-C3A-C4A	-2.07	106.21	111.77
16	s	504	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
16	A	1109	CLA	O1D-CGD-CBD	2.07	128.60	124.52
19	G	4017	BCR	C29-C30-C25	2.07	113.44	110.44
16	a	1101	CLA	C2A-C1A-CHA	2.07	127.46	123.87
16	w	502	CLA	C2A-C1A-CHA	2.07	127.46	123.87
16	x	511	CLA	CAA-C2A-C3A	-2.07	107.41	113.00
16	u	515	CLA	CMB-C2B-C1B	-2.07	122.27	125.42
16	W	513	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
16	X	517	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
16	o	514	CLA	O2A-CGA-O1A	-2.07	118.45	123.63
16	A	1013	CLA	CHA-C1A-NA	-2.07	121.71	126.39
16	B	1214	CLA	CHA-C1A-NA	-2.07	121.71	126.39
16	X	502	CLA	C1-C2-C3	-2.07	123.42	126.76
16	p	501	CLA	C1-C2-C3	-2.07	123.42	126.76
16	H	1112	CLA	CAA-C2A-C3A	-2.07	107.41	113.00
19	q	601	BCR	C16-C15-C14	-2.07	119.29	123.52
16	A	1138	CLA	C3A-C2A-C1A	2.07	104.44	101.34
19	W	601	BCR	C27-C26-C25	2.07	125.50	122.70
16	g	514	CLA	O2D-CGD-CBD	2.07	114.84	111.23
16	u	502	CLA	O2D-CGD-CBD	2.07	114.84	111.23
16	b	1202	CLA	O2A-CGA-O1A	-2.07	118.46	123.63
19	t	603	BCR	C7-C8-C9	-2.07	123.18	126.23
16	a	1138	CLA	C3A-C2A-C1A	2.07	104.43	101.34
16	a	1237	CLA	O2D-CGD-CBD	2.07	114.84	111.23
14	a	4101	LMG	O1-C7-C8	-2.07	105.79	110.82
16	B	1238	CLA	CAA-C2A-C3A	-2.07	107.42	113.00
14	a	852	LMG	O7-C10-O9	-2.07	118.88	123.70
16	X	510	CLA	O2A-CGA-O1A	-2.07	118.46	123.63
16	a	1107	CLA	CAA-C2A-C1A	-2.07	105.21	111.97
16	a	1116	CLA	O2A-CGA-O1A	-2.07	118.46	123.63
16	v	517	CLA	C2A-C1A-CHA	2.07	127.45	123.87
16	W	517	CLA	C3A-C2A-C1A	2.07	104.43	101.34
16	H	1107	CLA	CAA-C2A-C1A	-2.06	105.21	111.97
19	K	1501	BCR	C38-C26-C27	-2.06	109.19	113.60
16	A	1131	CLA	CMA-C3A-C4A	-2.06	106.22	111.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	v	508	CLA	O2A-CGA-O1A	-2.06	118.46	123.63
16	r	514	CLA	O2D-CGD-CBD	2.06	114.84	111.23
16	A	1102	CLA	CMA-C3A-C4A	-2.06	106.22	111.77
16	Y	511	CLA	CMB-C2B-C1B	-2.06	122.28	125.42
16	W	507	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
16	p	514	CLA	C2A-C1A-CHA	2.06	127.45	123.87
16	q	511	CLA	C2A-C1A-CHA	2.06	127.45	123.87
19	n	603	BCR	C38-C26-C25	-2.06	122.23	124.48
16	u	501	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
16	A	1115	CLA	CMB-C2B-C1B	-2.06	122.28	125.42
16	y	516	CLA	CMB-C2B-C1B	-2.06	122.28	125.42
16	B	1212	CLA	O2A-CGA-O1A	-2.06	118.03	123.33
16	a	1140	CLA	CAA-C2A-C3A	-2.06	107.42	113.00
16	h	514	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
16	x	513	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
16	H	1102	CLA	CHA-C1A-NA	-2.06	121.72	126.39
16	r	506	CLA	C4-C3-C5	2.06	118.81	115.23
16	B	1206	CLA	C2A-C1A-CHA	2.06	127.45	123.87
16	a	1013	CLA	CHA-C1A-NA	-2.06	121.72	126.39
16	x	510	CLA	CHA-C1A-NA	-2.06	121.72	126.39
19	b	4010	BCR	C7-C8-C9	-2.06	123.18	126.23
16	A	1101	CLA	C2A-C1A-CHA	2.06	127.45	123.87
16	y	517	CLA	C2A-C1A-CHA	2.06	127.45	123.87
16	p	508	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
17	a	2001	PQN	C16-C15-C13	-2.06	108.44	113.47
16	H	1131	CLA	CMB-C2B-C3B	2.06	131.40	126.55
16	L	1501	CLA	C1-C2-C3	-2.06	122.82	126.20
16	A	1130	CLA	CHA-C1A-NA	-2.06	121.72	126.39
16	a	1112	CLA	CAA-C2A-C3A	-2.06	107.43	113.00
16	n	501	CLA	C2A-C1A-CHA	2.06	127.44	123.87
16	a	1131	CLA	CMB-C2B-C3B	2.06	131.40	126.55
16	H	1022	CLA	C1D-ND-C4D	2.06	107.76	106.31
14	H	4201	LMG	O3-C3-C2	-2.06	105.52	110.38
16	H	1102	CLA	CMA-C3A-C4A	-2.06	106.23	111.77
16	p	515	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
16	A	1112	CLA	CAA-C2A-C3A	-2.06	107.43	113.00
16	a	1102	CLA	CHA-C1A-NA	-2.06	121.72	126.39
16	o	502	CLA	CHA-C1A-NA	-2.06	121.72	126.39
16	Y	511	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
16	H	1122	CLA	O2A-CGA-O1A	-2.06	118.47	123.63
16	a	1136	CLA	O2D-CGD-CBD	2.06	114.83	111.23
16	A	1131	CLA	CMB-C2B-C3B	2.06	131.40	126.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	W	503	CLA	C2A-C1A-CHA	2.06	127.44	123.87
16	p	507	CLA	C2A-C1A-CHA	2.06	127.44	123.87
16	r	514	CLA	CMB-C2B-C3B	2.06	131.40	126.55
16	H	1114	CLA	O2A-CGA-O1A	-2.06	118.48	123.63
16	a	1131	CLA	CMA-C3A-C4A	-2.06	106.24	111.77
16	U	1503	CLA	O2A-CGA-O1A	-2.06	118.48	123.63
16	r	510	CLA	CHA-C1A-NA	-2.06	121.73	126.39
16	p	514	CLA	C1-C2-C3	-2.06	123.43	126.76
19	o	604	BCR	C28-C27-C26	-2.06	110.38	114.06
16	a	1126	CLA	C2A-C1A-CHA	2.06	127.44	123.87
16	B	1202	CLA	O2A-CGA-O1A	-2.06	118.48	123.63
16	o	501	CLA	O2A-CGA-O1A	-2.06	118.48	123.63
16	r	510	CLA	O2A-CGA-O1A	-2.06	118.48	123.63
16	H	1110	CLA	O2A-CGA-O1A	-2.06	118.48	123.63
16	A	1237	CLA	O2D-CGD-CBD	2.06	114.83	111.23
16	x	507	CLA	CAA-C2A-C3A	-2.06	107.44	113.00
19	g	601	BCR	C15-C14-C13	-2.06	124.39	127.28
16	s	515	CLA	O2A-CGA-O1A	-2.06	118.48	123.63
14	p	701	LMG	O2-C2-C1	-2.06	105.17	110.08
16	b	1214	CLA	CHA-C1A-NA	-2.06	121.73	126.39
16	X	511	CLA	C2A-C1A-CHA	2.06	127.44	123.87
16	f	1302	CLA	C1C-NC-C4C	2.06	107.62	106.68
16	t	509	CLA	CHA-C1A-NA	-2.06	121.73	126.39
16	A	1140	CLA	CAA-C2A-C3A	-2.06	107.44	113.00
15	H	1011	CL0	C1-C2-C3	-2.06	122.83	126.20
14	a	4201	LMG	O3-C3-C2	-2.06	105.53	110.38
16	B	1216	CLA	CHA-C1A-NA	-2.06	121.73	126.39
16	G	1228	CLA	CMB-C2B-C1B	-2.06	122.29	125.42
16	a	1109	CLA	O1D-CGD-CBD	2.06	128.57	124.52
16	A	1110	CLA	O2A-CGA-O1A	-2.06	118.48	123.63
16	y	514	CLA	CAA-C2A-C3A	-2.06	107.44	113.00
16	v	514	CLA	C2A-C1A-CHA	2.06	127.44	123.87
19	H	4001	BCR	C33-C5-C6	-2.06	122.24	124.48
19	B	4014	BCR	C15-C14-C13	-2.06	124.39	127.28
16	v	510	CLA	CAA-C2A-C3A	-2.06	107.44	113.00
16	W	507	CLA	C2A-C1A-CHA	2.06	127.44	123.87
16	y	514	CLA	C2A-C1A-CHA	2.06	127.44	123.87
16	v	511	CLA	C2A-C1A-CHA	2.06	127.44	123.87
16	L	1503	CLA	O2D-CGD-CBD	2.06	114.82	111.23
16	b	1214	CLA	O2D-CGD-CBD	2.06	114.82	111.23
15	A	1011	CL0	C1-C2-C3	-2.06	122.83	126.20
16	b	1230	CLA	CMB-C2B-C3B	2.06	131.38	126.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	n	517	CLA	CMB-C2B-C3B	2.06	131.38	126.55
16	v	515	CLA	CAA-C2A-C3A	-2.06	107.44	113.00
16	b	1231	CLA	CMA-C3A-C4A	-2.06	106.25	111.77
16	G	1231	CLA	CMA-C3A-C4A	-2.06	106.25	111.77
16	B	1211	CLA	O2A-CGA-O1A	-2.06	118.49	123.63
16	A	1102	CLA	CHA-C1A-NA	-2.06	121.74	126.39
19	T	1501	BCR	C38-C26-C27	-2.06	109.21	113.60
16	t	517	CLA	C3A-C2A-C1A	2.05	104.42	101.34
16	B	1228	CLA	CMB-C2B-C1B	-2.05	122.29	125.42
16	p	515	CLA	CMB-C2B-C1B	-2.05	122.29	125.42
16	G	1211	CLA	O2A-CGA-O1A	-2.05	118.49	123.63
16	a	1135	CLA	CMB-C2B-C3B	2.05	131.38	126.55
16	h	517	CLA	C2A-C1A-CHA	2.05	127.43	123.87
19	w	601	BCR	C40-C30-C25	2.05	113.46	110.24
16	b	1216	CLA	CHA-C1A-NA	-2.05	121.74	126.39
16	r	509	CLA	CMB-C2B-C3B	2.05	131.38	126.55
16	b	1215	CLA	C2A-C1A-CHA	2.05	127.43	123.87
16	p	509	CLA	C2A-C1A-CHA	2.05	127.43	123.87
16	H	1101	CLA	C2A-C1A-CHA	2.05	127.43	123.87
16	K	1401	CLA	C2A-C1A-CHA	2.05	127.43	123.87
16	r	511	CLA	CAA-C2A-C3A	-2.05	107.45	113.00
16	X	513	CLA	O2A-CGA-O1A	-2.05	118.49	123.63
16	r	509	CLA	O2A-CGA-O1A	-2.05	118.49	123.63
16	H	1129	CLA	C1-C2-C3	-2.05	123.44	126.76
16	H	1128	CLA	C3B-C4B-NB	-2.05	108.70	110.53
16	G	1202	CLA	O2A-CGA-O1A	-2.05	118.50	123.63
16	W	501	CLA	C2A-C1A-CHA	2.05	127.43	123.87
16	a	1102	CLA	CMA-C3A-C4A	-2.05	106.26	111.77
19	J	4012	BCR	C27-C26-C25	2.05	125.48	122.70
16	y	509	CLA	C2A-C1A-CHA	2.05	127.43	123.87
16	H	1140	CLA	CAA-C2A-C3A	-2.05	107.46	113.00
16	a	1136	CLA	CHB-C1B-NB	2.05	127.13	124.05
16	a	1128	CLA	C3B-C4B-NB	-2.05	108.70	110.53
16	b	1206	CLA	C3B-C4B-NB	-2.05	108.70	110.53
16	v	509	CLA	CMB-C2B-C1B	-2.05	122.30	125.42
16	r	504	CLA	C2A-C1A-CHA	2.05	127.43	123.87
16	H	1135	CLA	CMB-C2B-C3B	2.05	131.37	126.55
16	Z	513	CLA	O2A-CGA-O1A	-2.05	118.50	123.63
16	W	504	CLA	CHA-C1A-NA	-2.05	121.75	126.39
16	a	1120	CLA	O2D-CGD-CBD	2.05	114.81	111.23
16	G	1230	CLA	CMB-C2B-C3B	2.05	131.37	126.55
16	q	504	CLA	CHA-C1A-NA	-2.05	121.75	126.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	F	1301	CLA	O2A-CGA-O1A	-2.05	118.06	123.33
16	H	1136	CLA	CHB-C1B-NB	2.05	127.12	124.05
16	A	1129	CLA	C1-C2-C3	-2.05	123.45	126.76
16	A	1126	CLA	C1-C2-C3	-2.05	122.84	126.20
19	W	603	BCR	C7-C8-C9	-2.05	123.20	126.23
16	a	1136	CLA	O2A-CGA-O1A	-2.05	118.50	123.63
19	q	602	BCR	C33-C5-C6	-2.05	122.25	124.48
19	u	601	BCR	C27-C26-C25	2.05	125.47	122.70
16	Y	501	CLA	C1-C2-C3	-2.05	123.45	126.76
16	r	514	CLA	C1-C2-C3	-2.05	123.45	126.76
16	o	503	CLA	C2A-C1A-CHA	2.05	127.42	123.87
16	v	503	CLA	C2A-C1A-CHA	2.05	127.42	123.87
16	A	1136	CLA	O2A-CGA-O1A	-2.05	118.50	123.63
16	W	513	CLA	C1-C2-C3	-2.05	123.45	126.76
16	u	513	CLA	O2A-CGA-O1A	-2.05	118.50	123.63
16	H	1237	CLA	O2D-CGD-CBD	2.05	114.81	111.23
16	H	1131	CLA	CMA-C3A-C4A	-2.05	106.27	111.77
19	w	604	BCR	C24-C23-C22	-2.05	123.20	126.23
16	a	1110	CLA	O2A-CGA-O1A	-2.05	118.50	123.63
16	u	515	CLA	CAA-C2A-C3A	-2.05	107.47	113.00
16	a	1133	CLA	C1-C2-C3	-2.05	122.84	126.20
16	B	1225	CLA	CHA-C1A-NA	-2.05	121.75	126.39
16	r	513	CLA	O2A-CGA-O1A	-2.05	118.51	123.63
16	t	504	CLA	CAA-CBA-CGA	-2.05	107.39	113.21
16	H	1111	CLA	CHA-C1A-NA	-2.05	121.75	126.39
16	A	1114	CLA	O2A-CGA-O1A	-2.05	118.51	123.63
19	b	4014	BCR	C15-C14-C13	-2.05	124.41	127.28
16	A	1137	CLA	CMB-C2B-C1B	-2.05	122.30	125.42
16	v	509	CLA	CMB-C2B-C3B	2.05	131.37	126.55
16	y	504	CLA	O2A-CGA-O1A	-2.05	118.51	123.63
19	F	4016	BCR	C16-C15-C14	-2.05	119.33	123.52
16	h	514	CLA	C2A-C1A-CHA	2.05	127.42	123.87
16	H	1130	CLA	C2A-C1A-CHA	2.05	127.42	123.87
16	T	1401	CLA	C2A-C1A-CHA	2.05	127.42	123.87
16	H	1129	CLA	O2D-CGD-CBD	2.05	114.81	111.23
16	a	1129	CLA	C1-C2-C3	-2.05	123.45	126.76
16	v	506	CLA	C1-C2-C3	-2.05	122.84	126.20
19	w	602	BCR	C11-C10-C9	-2.05	124.41	127.28
16	B	1230	CLA	CMB-C2B-C3B	2.05	131.36	126.55
16	v	513	CLA	C1-C2-C3	-2.05	123.45	126.76
16	G	1225	CLA	CHA-C1A-NA	-2.05	121.76	126.39
16	s	509	CLA	CHA-C1A-NA	-2.05	121.76	126.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	H	1126	CLA	C1-C2-C3	-2.05	122.84	126.20
16	t	511	CLA	CMB-C2B-C3B	2.05	131.36	126.55
19	l	4022	BCR	C37-C22-C21	-2.05	119.50	122.82
16	A	1135	CLA	CMB-C2B-C3B	2.05	131.36	126.55
16	u	511	CLA	CAA-C2A-C3A	-2.05	107.47	113.00
16	X	503	CLA	C2A-C1A-CHA	2.05	127.42	123.87
16	n	516	CLA	C2A-C1A-CHA	2.05	127.42	123.87
16	y	503	CLA	CAA-C2A-C3A	-2.04	107.47	113.00
16	A	1122	CLA	O2A-CGA-O1A	-2.04	118.51	123.63
16	G	1216	CLA	CHA-C1A-NA	-2.04	121.76	126.39
16	a	1127	CLA	C2A-C1A-CHA	2.04	127.42	123.87
16	G	1240	CLA	C2A-C1A-CHA	2.04	127.42	123.87
19	h	603	BCR	C11-C10-C9	-2.04	124.41	127.28
16	q	509	CLA	CMB-C2B-C3B	2.04	131.36	126.55
16	g	502	CLA	O2A-CGA-O1A	-2.04	118.52	123.63
16	u	503	CLA	C2A-C1A-CHA	2.04	127.41	123.87
16	b	1228	CLA	O2A-CGA-O1A	-2.04	118.52	123.63
16	a	1135	CLA	CMB-C2B-C1B	-2.04	122.31	125.42
20	U	4101	LMT	O5'-C5'-C6'	2.04	111.50	106.44
16	G	1212	CLA	O2A-CGA-O1A	-2.04	118.08	123.33
19	M	4021	BCR	C7-C8-C9	-2.04	123.21	126.23
16	h	511	CLA	C2A-C1A-CHA	2.04	127.41	123.87
16	w	513	CLA	C1-C2-C3	-2.04	123.46	126.76
16	A	1127	CLA	C2A-C1A-CHA	2.04	127.41	123.87
16	q	506	CLA	C2A-C1A-CHA	2.04	127.41	123.87
16	x	506	CLA	C4-C3-C5	2.04	118.77	115.23
16	n	514	CLA	C1-C2-C3	-2.04	123.46	126.76
16	y	506	CLA	C1-C2-C3	-2.04	122.85	126.20
16	w	511	CLA	C2A-C1A-CHA	2.04	127.41	123.87
16	u	509	CLA	O2D-CGD-CBD	2.04	114.80	111.23
19	B	4010	BCR	C7-C8-C9	-2.04	123.22	126.23
16	G	1228	CLA	O2A-CGA-O1A	-2.04	118.52	123.63
16	q	505	CLA	CAA-C2A-C3A	-2.04	107.48	113.00
16	a	1109	CLA	CMB-C2B-C1B	-2.04	122.31	125.42
16	a	1126	CLA	CHB-C1B-NB	2.04	127.11	124.05
16	w	503	CLA	C2A-C1A-CHA	2.04	127.41	123.87
16	a	1129	CLA	O2D-CGD-CBD	2.04	114.80	111.23
16	q	516	CLA	CMB-C2B-C1B	-2.04	122.31	125.42
16	o	507	CLA	CAA-C2A-C3A	-2.04	107.48	113.00
20	L	4101	LMT	O5'-C5'-C6'	2.04	111.50	106.44
16	q	509	CLA	CHA-C1A-NA	-2.04	121.77	126.39
19	Y	604	BCR	C24-C23-C22	-2.04	123.22	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
19	Y	601	BCR	C11-C10-C9	-2.04	124.42	127.28
19	f	4016	BCR	C16-C15-C14	-2.04	119.34	123.52
16	g	506	CLA	C1-C2-C3	-2.04	122.86	126.20
19	G	4014	BCR	C29-C30-C25	2.04	113.40	110.44
19	w	604	BCR	C16-C15-C14	-2.04	119.35	123.52
16	Z	503	CLA	CAC-C3C-C4C	2.04	127.44	124.79
16	x	510	CLA	O2A-CGA-O1A	-2.04	118.53	123.63
16	q	513	CLA	C1-C2-C3	-2.04	123.46	126.76
16	b	1023	CLA	CMD-C2D-C3D	2.04	132.37	127.69
16	p	514	CLA	O2A-CGA-O1A	-2.04	118.53	123.63
16	G	1206	CLA	C3B-C4B-NB	-2.04	108.71	110.53
16	k	1401	CLA	C2A-C1A-CHA	2.04	127.41	123.87
16	l	1503	CLA	O2D-CGD-CBD	2.04	114.79	111.23
20	l	4101	LMT	O5'-C5'-C6'	2.04	111.49	106.44
16	b	1212	CLA	O2A-CGA-O1A	-2.04	118.09	123.33
15	a	1011	CL0	C1-C2-C3	-2.04	122.86	126.20
16	s	502	CLA	CMD-C2D-C3D	2.04	132.36	127.69
16	H	1101	CLA	CMB-C2B-C1B	-2.04	122.31	125.42
16	s	501	CLA	C1-C2-C3	-2.04	123.47	126.76
16	W	510	CLA	CMB-C2B-C1B	-2.04	122.32	125.42
16	H	1135	CLA	CMB-C2B-C1B	-2.04	122.32	125.42
16	a	1122	CLA	O2A-CGA-O1A	-2.04	118.53	123.63
16	a	1130	CLA	C2A-C1A-CHA	2.04	127.40	123.87
16	u	506	CLA	C2A-C1A-CHA	2.04	127.40	123.87
16	n	501	CLA	O2A-CGA-O1A	-2.04	118.53	123.63
16	J	1303	CLA	C2A-C1A-CHA	2.04	127.39	123.86
16	U	1503	CLA	O2D-CGD-CBD	2.04	114.79	111.23
16	n	505	CLA	C2A-C1A-CHA	2.04	127.40	123.87
16	p	509	CLA	CHA-C1A-NA	-2.04	121.78	126.39
14	Y	701	LMG	O2-C2-C1	-2.04	105.22	110.08
16	b	1220	CLA	O2A-CGA-O1A	-2.04	118.53	123.63
16	o	517	CLA	CAA-C2A-C3A	-2.04	107.50	113.00
16	A	1130	CLA	C2A-C1A-CHA	2.04	127.40	123.87
16	a	1108	CLA	O2A-CGA-O1A	-2.04	118.09	123.33
16	b	1210	CLA	CHA-C1A-NA	-2.04	121.78	126.39
16	y	513	CLA	C1-C2-C3	-2.04	123.47	126.76
16	H	1116	CLA	CHA-C1A-NA	-2.04	121.78	126.39
16	Z	514	CLA	O2A-CGA-O1A	-2.03	118.54	123.63
16	r	515	CLA	O2A-CGA-O1A	-2.03	118.54	123.63
16	H	1136	CLA	O2A-CGA-O1A	-2.03	118.54	123.63
16	v	504	CLA	O2D-CGD-CBD	2.03	114.79	111.23
16	H	1109	CLA	CMB-C2B-C1B	-2.03	122.32	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	b	1211	CLA	O2A-CGA-O1A	-2.03	118.54	123.63
16	u	502	CLA	C1-C2-C3	-2.03	123.47	126.76
19	Q	4016	BCR	C16-C15-C14	-2.03	119.36	123.52
16	h	512	CLA	C2A-C1A-CHA	2.03	127.40	123.87
16	y	514	CLA	O2A-CGA-O1A	-2.03	118.54	123.63
16	a	1116	CLA	CHA-C1A-NA	-2.03	121.78	126.39
16	h	510	CLA	CAA-C2A-C3A	-2.03	107.50	113.00
19	w	604	BCR	C27-C26-C25	2.03	125.45	122.70
19	j	4013	BCR	C16-C15-C14	-2.03	119.36	123.52
16	H	1237	CLA	C2A-C1A-CHA	2.03	127.40	123.87
16	Y	510	CLA	O2A-CGA-O1A	-2.03	118.54	123.63
16	g	514	CLA	O2A-CGA-O1A	-2.03	118.54	123.63
16	v	504	CLA	O2A-CGA-O1A	-2.03	118.54	123.63
16	W	502	CLA	C2A-C1A-CHA	2.03	127.39	123.87
16	o	511	CLA	C2A-C1A-CHA	2.03	127.39	123.87
16	G	1023	CLA	CMD-C2D-C3D	2.03	132.35	127.69
16	q	503	CLA	C2A-C1A-CHA	2.03	127.39	123.87
19	Y	602	BCR	C40-C30-C25	2.03	113.43	110.24
16	y	510	CLA	CHA-C1A-NA	-2.03	121.79	126.39
19	Y	601	BCR	C29-C30-C25	2.03	113.39	110.44
19	u	604	BCR	C28-C27-C26	-2.03	110.43	114.06
16	x	514	CLA	O2A-CGA-O1A	-2.03	118.55	123.63
16	b	1230	CLA	O2A-CGA-O1A	-2.03	118.11	123.33
16	S	1303	CLA	CAD-CBD-CHA	2.03	107.32	105.12
19	V	4021	BCR	C7-C8-C9	-2.03	123.23	126.23
16	T	1401	CLA	O2A-CGA-O1A	-2.03	118.11	123.33
16	A	1138	CLA	C2A-C1A-CHA	2.03	127.39	123.87
16	B	1229	CLA	C2A-C1A-CHA	2.03	127.39	123.87
16	Y	509	CLA	CHA-C1A-NA	-2.03	121.79	126.39
16	u	502	CLA	CHA-C1A-NA	-2.03	121.79	126.39
16	K	1401	CLA	O2A-CGA-O1A	-2.03	118.11	123.33
19	A	4003	BCR	C11-C10-C9	-2.03	124.43	127.28
19	j	4013	BCR	C15-C14-C13	-2.03	124.43	127.28
16	H	1138	CLA	C2A-C1A-CHA	2.03	127.39	123.87
16	h	510	CLA	CHA-C1A-NA	-2.03	121.79	126.39
16	B	1220	CLA	O2A-CGA-O1A	-2.03	118.55	123.63
16	Z	502	CLA	O2A-CGA-O1A	-2.03	118.55	123.63
15	H	1011	CL0	CHA-C1A-NA	-2.03	121.79	126.39
16	W	510	CLA	CMB-C2B-C3B	2.03	131.32	126.55
16	s	514	CLA	C2A-C1A-CHA	2.03	127.39	123.87
19	Q	4016	BCR	C29-C30-C25	2.03	113.39	110.44
19	w	603	BCR	C7-C8-C9	-2.03	123.23	126.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	w	506	CLA	C2A-C1A-CHA	2.03	127.39	123.87
19	F	4016	BCR	C29-C30-C25	2.03	113.39	110.44
16	W	514	CLA	C1-C2-C3	-2.03	123.48	126.76
19	K	1501	BCR	C15-C14-C13	-2.03	124.43	127.28
16	y	509	CLA	CMB-C2B-C3B	2.03	131.32	126.55
16	H	1133	CLA	C1-C2-C3	-2.03	122.87	126.20
19	y	603	BCR	C33-C5-C6	-2.03	122.27	124.48
16	p	502	CLA	C1-C2-C3	-2.03	123.48	126.76
16	x	509	CLA	O2A-CGA-O1A	-2.03	118.56	123.63
16	u	511	CLA	C2A-C1A-CHA	2.03	127.39	123.87
16	H	1108	CLA	O2A-CGA-O1A	-2.03	118.12	123.33
16	Y	515	CLA	O2A-CGA-O1A	-2.03	118.56	123.63
16	w	509	CLA	CMB-C2B-C3B	2.03	131.32	126.55
16	f	1301	CLA	O2A-CGA-O1A	-2.03	118.12	123.33
16	q	513	CLA	O2A-CGA-O1A	-2.03	118.56	123.63
16	s	502	CLA	CAC-C3C-C4C	2.03	127.43	124.79
16	l	1501	CLA	C1-C2-C3	-2.03	122.88	126.20
16	j	1303	CLA	CAD-CBD-CHA	2.03	107.32	105.12
19	S	4013	BCR	C16-C15-C14	-2.03	119.37	123.52
16	H	1137	CLA	CMB-C2B-C1B	-2.03	122.33	125.42
16	r	502	CLA	O2D-CGD-CBD	2.03	114.77	111.23
16	b	1229	CLA	C2A-C1A-CHA	2.03	127.38	123.87
19	v	603	BCR	C33-C5-C6	-2.03	122.27	124.48
16	k	1401	CLA	O2A-CGA-O1A	-2.03	118.12	123.33
16	A	1135	CLA	CMB-C2B-C1B	-2.03	122.33	125.42
19	L	4022	BCR	C37-C22-C21	-2.03	119.53	122.82
16	p	512	CLA	O2A-CGA-O1A	-2.03	118.12	123.33
16	G	1220	CLA	O2A-CGA-O1A	-2.03	118.56	123.63
16	u	507	CLA	O2A-CGA-O1A	-2.03	118.56	123.63
16	y	512	CLA	C2A-C1A-CHA	2.03	127.38	123.87
16	t	503	CLA	C2A-C1A-CHA	2.03	127.38	123.87
16	w	516	CLA	CHA-C1A-NA	-2.03	121.81	126.39
19	m	4021	BCR	C7-C8-C9	-2.03	123.24	126.23
16	G	1230	CLA	O2A-CGA-O1A	-2.02	118.12	123.33
16	H	1127	CLA	C2A-C1A-CHA	2.02	127.38	123.87
16	w	504	CLA	CHA-C1A-NA	-2.02	121.81	126.39
19	G	4010	BCR	C7-C8-C9	-2.02	123.24	126.23
14	a	4201	LMG	O2-C2-C1	-2.02	105.25	110.08
16	g	515	CLA	C2A-C1A-CHA	2.02	127.38	123.87
16	Z	511	CLA	C3B-C4B-NB	-2.02	108.72	110.53
16	Y	510	CLA	CMB-C2B-C1B	-2.02	122.34	125.42
16	B	1238	CLA	CAA-CBA-CGA	-2.02	107.46	113.21

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	r	509	CLA	CHA-C1A-NA	-2.02	121.81	126.39
16	o	513	CLA	O2A-CGA-O1A	-2.02	118.57	123.63
19	T	1501	BCR	C15-C14-C13	-2.02	124.44	127.28
19	v	602	BCR	C33-C5-C6	-2.02	122.28	124.48
16	b	1225	CLA	CHA-C1A-NA	-2.02	121.81	126.39
16	A	1111	CLA	O2D-CGD-CBD	2.02	114.77	111.23
19	t	603	BCR	C38-C26-C25	-2.02	122.28	124.48
16	Z	511	CLA	C2A-C1A-CHA	2.02	127.38	123.87
16	b	1240	CLA	C2A-C1A-CHA	2.02	127.38	123.87
16	w	513	CLA	O2A-CGA-O1A	-2.02	118.57	123.63
19	J	4013	BCR	C16-C15-C14	-2.02	119.38	123.52
16	Z	507	CLA	C1-C2-C3	-2.02	122.88	126.20
19	f	4016	BCR	C29-C30-C25	2.02	113.38	110.44
14	A	4201	LMG	O2-C2-C1	-2.02	105.26	110.08
16	v	510	CLA	CHA-C1A-NA	-2.02	121.81	126.39
16	Q	1301	CLA	O2A-CGA-O1A	-2.02	118.13	123.33
19	H	4003	BCR	C11-C10-C9	-2.02	124.44	127.28
16	B	1240	CLA	C2A-C1A-CHA	2.02	127.38	123.87
16	G	1229	CLA	C2A-C1A-CHA	2.02	127.38	123.87
16	B	1230	CLA	O2A-CGA-O1A	-2.02	118.13	123.33
16	G	1236	CLA	CAA-C2A-C3A	-2.02	107.54	113.00
16	Z	516	CLA	CMB-C2B-C1B	-2.02	122.34	125.42
16	y	502	CLA	O2A-CGA-O1A	-2.02	118.58	123.63
16	q	506	CLA	O2D-CGD-CBD	2.02	114.76	111.23
16	p	502	CLA	O2A-CGA-O1A	-2.02	118.58	123.63
16	a	1138	CLA	C2A-C1A-CHA	2.02	127.37	123.87
16	u	501	CLA	C2A-C1A-CHA	2.02	127.37	123.87
16	X	512	CLA	O2A-CGA-O1A	-2.02	118.14	123.33
15	a	1011	CL0	CHA-C1A-NA	-2.02	121.82	126.39
16	j	1303	CLA	C2A-C1A-CHA	2.02	127.36	123.86
16	A	1131	CLA	C2A-C1A-CHA	2.02	127.37	123.87
16	r	514	CLA	C2A-C1A-CHA	2.02	127.37	123.87
16	g	509	CLA	CHA-C1A-NA	-2.02	121.82	126.39
16	g	515	CLA	O2A-CGA-O1A	-2.02	118.58	123.63
19	k	1501	BCR	C15-C14-C13	-2.02	124.45	127.28
16	v	507	CLA	C2A-C1A-CHA	2.02	127.37	123.87
16	B	1210	CLA	CHA-C1A-NA	-2.02	121.82	126.39
16	X	510	CLA	CHA-C1A-NA	-2.02	121.82	126.39
19	w	603	BCR	C27-C26-C25	2.02	125.43	122.70
19	n	603	BCR	C7-C8-C9	-2.02	123.25	126.23
16	A	1112	CLA	O2A-CGA-O1A	-2.02	118.14	123.33
16	J	1303	CLA	CAD-CBD-CHA	2.02	107.31	105.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	b	1209	CLA	C2A-C1A-CHA	2.02	127.37	123.87
16	b	1238	CLA	CAA-CBA-CGA	-2.02	107.48	113.21
16	s	514	CLA	O2A-CGA-O1A	-2.02	118.58	123.63
16	A	1116	CLA	CHA-C1A-NA	-2.02	121.82	126.39
16	X	504	CLA	CHA-C1A-NA	-2.02	121.82	126.39
16	Z	517	CLA	CAA-C2A-C3A	-2.02	107.55	113.00
16	G	1206	CLA	O2A-CGA-O1A	-2.02	118.58	123.63
16	n	513	CLA	CAA-C2A-C3A	-2.02	107.55	113.00
16	A	1108	CLA	C2A-C1A-CHA	2.02	127.37	123.87
16	a	1127	CLA	C1-C2-C3	-2.02	122.89	126.20
16	Y	502	CLA	O2A-CGA-O1A	-2.02	118.58	123.63
16	n	508	CLA	C1-C2-C3	-2.02	122.89	126.20
16	Q	1301	CLA	CHA-C1A-NA	-2.02	121.83	126.39
19	p	601	BCR	C7-C8-C9	-2.02	123.25	126.23
16	H	1119	CLA	CAA-C2A-C3A	-2.02	107.55	113.00
16	h	507	CLA	C2A-C1A-CHA	2.02	127.36	123.87
16	f	1301	CLA	CHA-C1A-NA	-2.02	121.83	126.39
16	B	1023	CLA	CMD-C2D-C3D	2.02	132.31	127.69
16	U	1501	CLA	C1-C2-C3	-2.02	122.89	126.20
16	B	1206	CLA	O2A-CGA-O1A	-2.02	118.59	123.63
19	X	602	BCR	C40-C30-C25	2.02	113.40	110.24
15	A	1011	CL0	CHA-C1A-NA	-2.02	121.83	126.39
19	a	4002	BCR	C15-C16-C17	-2.02	119.40	123.52
16	h	502	CLA	O2A-CGA-O1A	-2.01	118.59	123.63
16	A	1127	CLA	C1-C2-C3	-2.01	122.90	126.20
16	r	511	CLA	CMB-C2B-C3B	2.01	131.29	126.55
16	W	507	CLA	CAA-C2A-C3A	-2.01	107.56	113.00
16	g	507	CLA	O2A-CGA-O1A	-2.01	118.59	123.63
14	H	4201	LMG	O2-C2-C1	-2.01	105.28	110.08
16	g	502	CLA	C2A-C1A-CHA	2.01	127.36	123.87
16	t	501	CLA	C2A-C1A-CHA	2.01	127.36	123.87
16	X	507	CLA	O2A-CGA-O1A	-2.01	118.59	123.63
16	a	1119	CLA	CAA-C2A-C3A	-2.01	107.56	113.00
19	V	4021	BCR	C33-C5-C6	-2.01	122.29	124.48
16	y	507	CLA	C2A-C1A-CHA	2.01	127.36	123.87
16	n	512	CLA	C2A-C1A-CHA	2.01	127.36	123.87
16	W	508	CLA	C1-C2-C3	-2.01	122.90	126.20
16	t	508	CLA	C1-C2-C3	-2.01	122.90	126.20
16	w	514	CLA	O2A-CGA-O1A	-2.01	118.59	123.63
16	v	512	CLA	C2A-C1A-CHA	2.01	127.36	123.87
16	B	1236	CLA	CAA-C2A-C3A	-2.01	107.56	113.00
16	A	1101	CLA	CMB-C2B-C1B	-2.01	122.36	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	Y	514	CLA	CMB-C2B-C3B	2.01	131.28	126.55
16	W	511	CLA	O2A-CGA-O1A	-2.01	118.59	123.63
16	q	502	CLA	O2A-CGA-O1A	-2.01	118.59	123.63
16	B	1206	CLA	C3B-C4B-NB	-2.01	108.73	110.53
16	g	503	CLA	C2A-C1A-CHA	2.01	127.36	123.87
16	x	504	CLA	C2A-C1A-CHA	2.01	127.36	123.87
19	r	602	BCR	C2-C1-C6	2.01	113.36	110.44
16	Y	502	CLA	C1-C2-C3	-2.01	123.51	126.76
16	A	1108	CLA	O2A-CGA-O1A	-2.01	118.16	123.33
16	A	1133	CLA	C1-C2-C3	-2.01	122.90	126.20
16	G	1209	CLA	C2A-C1A-CHA	2.01	127.36	123.87
16	s	508	CLA	O2A-CGA-O1A	-2.01	118.60	123.63
16	o	511	CLA	CAA-C2A-C3A	-2.01	107.56	113.00
16	G	1238	CLA	CAA-CBA-CGA	-2.01	107.50	113.21
16	A	1134	CLA	C3A-C2A-C1A	2.01	104.35	101.34
16	A	1237	CLA	C2A-C1A-CHA	2.01	127.36	123.87
16	Y	508	CLA	C2A-C1A-CHA	2.01	127.36	123.87
16	u	505	CLA	C2A-C1A-CHA	2.01	127.36	123.87
16	w	512	CLA	O2A-CGA-O1A	-2.01	118.16	123.33
16	Y	508	CLA	O2A-CGA-O1A	-2.01	118.60	123.63
16	x	504	CLA	O2A-CGA-O1A	-2.01	118.60	123.63
16	p	515	CLA	CMB-C2B-C3B	2.01	131.28	126.55
16	p	507	CLA	CAA-C2A-C3A	-2.01	107.57	113.00
16	s	502	CLA	O2A-CGA-O1A	-2.01	118.60	123.63
16	a	1126	CLA	C1-C2-C3	-2.01	122.91	126.20
19	s	601	BCR	C11-C10-C9	-2.01	124.46	127.28
16	H	1112	CLA	O2A-CGA-O1A	-2.01	118.17	123.33
16	r	504	CLA	O2A-CGA-O1A	-2.01	118.61	123.63
16	G	1210	CLA	CHA-C1A-NA	-2.01	121.84	126.39
16	s	507	CLA	O2A-CGA-O1A	-2.01	118.61	123.63
16	g	501	CLA	C2A-C1A-CHA	2.01	127.35	123.87
16	H	1108	CLA	C2A-C1A-CHA	2.01	127.35	123.87
16	y	505	CLA	C1-C2-C3	-2.01	122.91	126.20
16	u	514	CLA	O2A-CGA-O1A	-2.01	118.61	123.63
19	t	601	BCR	C11-C10-C9	-2.01	124.46	127.28
16	b	1236	CLA	CAA-C2A-C3A	-2.01	107.58	113.00
19	h	603	BCR	C33-C5-C6	-2.01	122.29	124.48
16	G	1214	CLA	O2A-CGA-O1A	-2.01	118.61	123.63
16	A	1119	CLA	CAA-C2A-C3A	-2.01	107.58	113.00
16	n	507	CLA	CAA-C2A-C3A	-2.01	107.58	113.00
16	a	1107	CLA	CMB-C2B-C3B	2.01	131.27	126.55
16	B	1210	CLA	C3B-C4B-NB	-2.01	108.74	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
16	q	515	CLA	O2A-CGA-O1A	-2.01	118.61	123.63
16	G	1236	CLA	CMB-C2B-C3B	2.01	131.27	126.55
16	s	516	CLA	CMB-C2B-C3B	2.01	131.27	126.55
19	G	4010	BCR	C16-C17-C18	-2.01	124.47	127.28
16	x	509	CLA	CHA-C1A-NA	-2.01	121.85	126.39
16	r	514	CLA	O2A-CGA-O1A	-2.01	118.61	123.63
16	a	1111	CLA	O2D-CGD-CBD	2.01	114.74	111.23
16	o	509	CLA	O2D-CGD-CBD	2.01	114.74	111.23
16	a	1131	CLA	C2A-C1A-CHA	2.01	127.35	123.87
16	Z	513	CLA	C1-C2-C3	-2.01	123.52	126.76
16	v	506	CLA	CAA-C2A-C3A	-2.00	107.58	113.00
16	G	1214	CLA	CMB-C2B-C1B	-2.00	122.37	125.42
19	o	601	BCR	C16-C15-C14	-2.00	119.42	123.52
16	H	1114	CLA	CAA-C2A-C3A	-2.00	107.58	113.00
16	b	1223	CLA	O2A-CGA-O1A	-2.00	118.62	123.63
16	q	502	CLA	O2D-CGD-CBD	2.00	114.73	111.23
16	o	512	CLA	O2A-CGA-O1A	-2.00	118.18	123.33
16	W	508	CLA	CAA-C2A-C3A	-2.00	107.59	113.00
16	a	1101	CLA	CMB-C2B-C1B	-2.00	122.37	125.42
16	A	1801	CLA	O2A-CGA-O1A	-2.00	118.62	123.63
16	s	514	CLA	C1-C2-C3	-2.00	123.52	126.76
16	H	1108	CLA	CAA-C2A-C3A	-2.00	107.59	113.00
16	b	1206	CLA	O2A-CGA-O1A	-2.00	118.62	123.63
16	b	1227	CLA	C2A-C1A-CHA	2.00	127.34	123.87
16	s	513	CLA	CAA-C2A-C3A	-2.00	107.59	113.00
16	b	1012	CLA	CHA-C1A-NA	-2.00	121.86	126.39
16	h	513	CLA	C1-C2-C3	-2.00	123.52	126.76
16	a	1112	CLA	O2A-CGA-O1A	-2.00	118.18	123.33
16	H	1117	CLA	CMA-C3A-C2A	-2.00	106.24	113.98
16	a	1237	CLA	C2A-C1A-CHA	2.00	127.34	123.87
16	v	502	CLA	O2A-CGA-O1A	-2.00	118.62	123.63
19	M	4021	BCR	C33-C5-C6	-2.00	122.30	124.48
16	X	507	CLA	CHA-C1A-NA	-2.00	121.86	126.39
16	b	1021	CLA	C2A-C1A-CHA	2.00	127.34	123.87
16	p	515	CLA	C2A-C1A-CHA	2.00	127.34	123.87
16	G	1236	CLA	C4-C3-C5	2.00	118.70	115.23
16	o	507	CLA	O2A-CGA-O1A	-2.00	118.62	123.63
16	G	1221	CLA	CHA-C1A-NA	-2.00	121.86	126.39
16	a	1124	CLA	CAA-C2A-C1A	-2.00	105.42	111.97
16	u	512	CLA	O2A-CGA-O1A	-2.00	118.19	123.33
16	B	1214	CLA	O2A-CGA-O1A	-2.00	118.62	123.63
16	F	1301	CLA	CHA-C1A-NA	-2.00	121.86	126.39

There are no chirality outliers.

All (7899) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
13	A	849	LHG	C3-O3-P-O4
13	A	849	LHG	C3-O3-P-O6
13	A	851	LHG	O1-C1-C2-C3
13	A	851	LHG	C1-C2-C3-O3
13	A	851	LHG	C3-O3-P-O5
13	I	103	LHG	C3-O3-P-O6
13	I	103	LHG	C4-O6-P-O4
13	I	103	LHG	C4-O6-P-O5
13	a	849	LHG	C3-O3-P-O4
13	a	849	LHG	C3-O3-P-O6
13	a	851	LHG	O1-C1-C2-C3
13	a	851	LHG	C1-C2-C3-O3
13	a	851	LHG	C3-O3-P-O5
13	i	103	LHG	C3-O3-P-O6
13	i	103	LHG	C4-O6-P-O4
13	i	103	LHG	C4-O6-P-O5
13	H	849	LHG	C3-O3-P-O4
13	H	849	LHG	C3-O3-P-O6
13	H	851	LHG	O1-C1-C2-C3
13	H	851	LHG	C1-C2-C3-O3
13	H	851	LHG	C3-O3-P-O5
13	R	103	LHG	C3-O3-P-O6
13	R	103	LHG	C4-O6-P-O4
13	R	103	LHG	C4-O6-P-O5
14	A	4101	LMG	C11-C10-O7-C8
14	a	4101	LMG	C11-C10-O7-C8
14	H	4101	LMG	C11-C10-O7-C8
15	A	1011	CL0	C11-C12-C13-C14
15	a	1011	CL0	C11-C12-C13-C14
15	H	1011	CL0	C11-C12-C13-C14
16	A	1013	CLA	C2-C1-O2A-CGA
16	A	1013	CLA	CBD-CGD-O2D-CED
16	A	1022	CLA	C2B-C3B-CAB-CBB
16	A	1022	CLA	C4B-C3B-CAB-CBB
16	A	1022	CLA	CBD-CGD-O2D-CED
16	A	1101	CLA	C1A-C2A-CAA-CBA
16	A	1101	CLA	CHA-CBD-CGD-O1D
16	A	1101	CLA	CHA-CBD-CGD-O2D
16	A	1102	CLA	C1A-C2A-CAA-CBA
16	A	1102	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
16	A	1102	CLA	CAD-CBD-CGD-O1D
16	A	1102	CLA	CAD-CBD-CGD-O2D
16	A	1103	CLA	CAD-CBD-CGD-O1D
16	A	1103	CLA	CAD-CBD-CGD-O2D
16	A	1104	CLA	CBD-CGD-O2D-CED
16	A	1106	CLA	C1A-C2A-CAA-CBA
16	A	1106	CLA	C3A-C2A-CAA-CBA
16	A	1106	CLA	CHA-CBD-CGD-O1D
16	A	1106	CLA	CHA-CBD-CGD-O2D
16	A	1107	CLA	C1A-C2A-CAA-CBA
16	A	1108	CLA	C1A-C2A-CAA-CBA
16	A	1108	CLA	CBD-CGD-O2D-CED
16	A	1109	CLA	C2B-C3B-CAB-CBB
16	A	1109	CLA	C4B-C3B-CAB-CBB
16	A	1109	CLA	CBD-CGD-O2D-CED
16	A	1109	CLA	C4-C3-C5-C6
16	A	1111	CLA	C2B-C3B-CAB-CBB
16	A	1111	CLA	C4B-C3B-CAB-CBB
16	A	1112	CLA	C1A-C2A-CAA-CBA
16	A	1112	CLA	C3A-C2A-CAA-CBA
16	A	1112	CLA	CBD-CGD-O2D-CED
16	A	1113	CLA	C1A-C2A-CAA-CBA
16	A	1113	CLA	C3A-C2A-CAA-CBA
16	A	1114	CLA	C4B-C3B-CAB-CBB
16	A	1116	CLA	C3A-C2A-CAA-CBA
16	A	1117	CLA	C1A-C2A-CAA-CBA
16	A	1117	CLA	C3A-C2A-CAA-CBA
16	A	1117	CLA	CHA-CBD-CGD-O1D
16	A	1117	CLA	CHA-CBD-CGD-O2D
16	A	1118	CLA	C2B-C3B-CAB-CBB
16	A	1118	CLA	C4B-C3B-CAB-CBB
16	A	1119	CLA	CHA-CBD-CGD-O1D
16	A	1119	CLA	CHA-CBD-CGD-O2D
16	A	1120	CLA	C1A-C2A-CAA-CBA
16	A	1120	CLA	C3A-C2A-CAA-CBA
16	A	1121	CLA	C1A-C2A-CAA-CBA
16	A	1121	CLA	C3A-C2A-CAA-CBA
16	A	1121	CLA	CAD-CBD-CGD-O1D
16	A	1121	CLA	CAD-CBD-CGD-O2D
16	A	1121	CLA	CBD-CGD-O2D-CED
16	A	1121	CLA	C2-C3-C5-C6
16	A	1122	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
16	A	1123	CLA	C1A-C2A-CAA-CBA
16	A	1125	CLA	C6-C7-C8-C9
16	A	1126	CLA	C1A-C2A-CAA-CBA
16	A	1126	CLA	C2B-C3B-CAB-CBB
16	A	1126	CLA	C4B-C3B-CAB-CBB
16	A	1127	CLA	C1A-C2A-CAA-CBA
16	A	1131	CLA	C2B-C3B-CAB-CBB
16	A	1131	CLA	C4B-C3B-CAB-CBB
16	A	1132	CLA	C4B-C3B-CAB-CBB
16	A	1132	CLA	CHA-CBD-CGD-O1D
16	A	1132	CLA	CHA-CBD-CGD-O2D
16	A	1133	CLA	C1A-C2A-CAA-CBA
16	A	1133	CLA	C3A-C2A-CAA-CBA
16	A	1133	CLA	C2B-C3B-CAB-CBB
16	A	1133	CLA	C4B-C3B-CAB-CBB
16	A	1134	CLA	C1A-C2A-CAA-CBA
16	A	1134	CLA	C3A-C2A-CAA-CBA
16	A	1134	CLA	C2B-C3B-CAB-CBB
16	A	1134	CLA	C4B-C3B-CAB-CBB
16	A	1134	CLA	CHA-CBD-CGD-O1D
16	A	1134	CLA	CHA-CBD-CGD-O2D
16	A	1136	CLA	C4B-C3B-CAB-CBB
16	A	1137	CLA	CHA-CBD-CGD-O1D
16	A	1137	CLA	CHA-CBD-CGD-O2D
16	A	1138	CLA	C2B-C3B-CAB-CBB
16	A	1138	CLA	C4B-C3B-CAB-CBB
16	A	1139	CLA	C4-C3-C5-C6
16	A	1140	CLA	C4B-C3B-CAB-CBB
16	A	1237	CLA	C2B-C3B-CAB-CBB
16	A	1237	CLA	C4B-C3B-CAB-CBB
16	A	1237	CLA	CBD-CGD-O2D-CED
16	A	1402	CLA	C2B-C3B-CAB-CBB
16	A	1402	CLA	C4B-C3B-CAB-CBB
16	A	1801	CLA	CBD-CGD-O2D-CED
16	B	1012	CLA	C2B-C3B-CAB-CBB
16	B	1012	CLA	C4B-C3B-CAB-CBB
16	B	1021	CLA	CBD-CGD-O2D-CED
16	B	1023	CLA	CBD-CGD-O2D-CED
16	B	1201	CLA	CHA-CBD-CGD-O1D
16	B	1201	CLA	CHA-CBD-CGD-O2D
16	B	1202	CLA	C1A-C2A-CAA-CBA
16	B	1202	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
16	B	1202	CLA	CAD-CBD-CGD-O1D
16	B	1202	CLA	CAD-CBD-CGD-O2D
16	B	1203	CLA	C6-C7-C8-C9
16	B	1204	CLA	C4B-C3B-CAB-CBB
16	B	1205	CLA	C4B-C3B-CAB-CBB
16	B	1205	CLA	CHA-CBD-CGD-O1D
16	B	1205	CLA	CHA-CBD-CGD-O2D
16	B	1206	CLA	C1A-C2A-CAA-CBA
16	B	1206	CLA	C3A-C2A-CAA-CBA
16	B	1207	CLA	CHA-CBD-CGD-O1D
16	B	1207	CLA	CHA-CBD-CGD-O2D
16	B	1209	CLA	C2B-C3B-CAB-CBB
16	B	1209	CLA	C4B-C3B-CAB-CBB
16	B	1209	CLA	CBD-CGD-O2D-CED
16	B	1209	CLA	O1D-CGD-O2D-CED
16	B	1210	CLA	C3A-C2A-CAA-CBA
16	B	1210	CLA	C2C-C3C-CAC-CBC
16	B	1210	CLA	C4C-C3C-CAC-CBC
16	B	1212	CLA	CBD-CGD-O2D-CED
16	B	1215	CLA	C1A-C2A-CAA-CBA
16	B	1215	CLA	C3A-C2A-CAA-CBA
16	B	1215	CLA	CAD-CBD-CGD-O1D
16	B	1215	CLA	CAD-CBD-CGD-O2D
16	B	1216	CLA	C1A-C2A-CAA-CBA
16	B	1216	CLA	C3A-C2A-CAA-CBA
16	B	1216	CLA	C4B-C3B-CAB-CBB
16	B	1218	CLA	C2B-C3B-CAB-CBB
16	B	1218	CLA	C4B-C3B-CAB-CBB
16	B	1218	CLA	CHA-CBD-CGD-O1D
16	B	1218	CLA	CHA-CBD-CGD-O2D
16	B	1220	CLA	CBD-CGD-O2D-CED
16	B	1221	CLA	CHA-CBD-CGD-O1D
16	B	1221	CLA	CHA-CBD-CGD-O2D
16	B	1223	CLA	C4B-C3B-CAB-CBB
16	B	1224	CLA	C1A-C2A-CAA-CBA
16	B	1224	CLA	C3A-C2A-CAA-CBA
16	B	1224	CLA	CAD-CBD-CGD-O1D
16	B	1224	CLA	CAD-CBD-CGD-O2D
16	B	1225	CLA	C1A-C2A-CAA-CBA
16	B	1225	CLA	C3A-C2A-CAA-CBA
16	B	1225	CLA	CBD-CGD-O2D-CED
16	B	1226	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
16	B	1226	CLA	O1D-CGD-O2D-CED
16	B	1227	CLA	C2B-C3B-CAB-CBB
16	B	1227	CLA	C4B-C3B-CAB-CBB
16	B	1229	CLA	CAD-CBD-CGD-O1D
16	B	1229	CLA	CAD-CBD-CGD-O2D
16	B	1230	CLA	CHA-CBD-CGD-O1D
16	B	1230	CLA	CHA-CBD-CGD-O2D
16	B	1231	CLA	CBD-CGD-O2D-CED
16	B	1232	CLA	C1A-C2A-CAA-CBA
16	B	1232	CLA	C3A-C2A-CAA-CBA
16	B	1232	CLA	C4B-C3B-CAB-CBB
16	B	1232	CLA	CBD-CGD-O2D-CED
16	B	1232	CLA	O1D-CGD-O2D-CED
16	B	1234	CLA	CAD-CBD-CGD-O1D
16	B	1234	CLA	CAD-CBD-CGD-O2D
16	B	1235	CLA	CBD-CGD-O2D-CED
16	B	1238	CLA	C1A-C2A-CAA-CBA
16	B	1238	CLA	C3A-C2A-CAA-CBA
16	B	1238	CLA	C2B-C3B-CAB-CBB
16	B	1238	CLA	C4B-C3B-CAB-CBB
16	B	1238	CLA	C2-C3-C5-C6
16	B	1238	CLA	C4-C3-C5-C6
16	B	1239	CLA	C4B-C3B-CAB-CBB
16	B	1240	CLA	CBD-CGD-O2D-CED
16	J	1302	CLA	C4B-C3B-CAB-CBB
16	J	1302	CLA	CBD-CGD-O2D-CED
16	J	1303	CLA	C4B-C3B-CAB-CBB
16	L	1501	CLA	C1A-C2A-CAA-CBA
16	L	1502	CLA	C2B-C3B-CAB-CBB
16	L	1502	CLA	C4B-C3B-CAB-CBB
16	L	1503	CLA	CAD-CBD-CGD-O1D
16	L	1503	CLA	CAD-CBD-CGD-O2D
16	W	501	CLA	CAD-CBD-CGD-O1D
16	W	501	CLA	CAD-CBD-CGD-O2D
16	W	502	CLA	C4B-C3B-CAB-CBB
16	W	502	CLA	CBD-CGD-O2D-CED
16	W	502	CLA	O1D-CGD-O2D-CED
16	W	503	CLA	CBA-CGA-O2A-C1
16	W	503	CLA	CHA-CBD-CGD-O2D
16	W	505	CLA	C1A-C2A-CAA-CBA
16	W	505	CLA	C4B-C3B-CAB-CBB
16	W	506	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
16	W	506	CLA	C4B-C3B-CAB-CBB
16	W	506	CLA	CHA-CBD-CGD-O1D
16	W	506	CLA	CHA-CBD-CGD-O2D
16	W	508	CLA	C4B-C3B-CAB-CBB
16	W	508	CLA	CBD-CGD-O2D-CED
16	W	509	CLA	CBD-CGD-O2D-CED
16	W	511	CLA	C1A-C2A-CAA-CBA
16	W	511	CLA	C3A-C2A-CAA-CBA
16	W	511	CLA	CBD-CGD-O2D-CED
16	W	512	CLA	CBD-CGD-O2D-CED
16	W	513	CLA	C2B-C3B-CAB-CBB
16	W	513	CLA	C4B-C3B-CAB-CBB
16	W	515	CLA	CHA-CBD-CGD-O2D
16	W	516	CLA	CBD-CGD-O2D-CED
16	W	516	CLA	O1D-CGD-O2D-CED
16	X	501	CLA	CAD-CBD-CGD-O1D
16	X	501	CLA	CAD-CBD-CGD-O2D
16	X	502	CLA	C1A-C2A-CAA-CBA
16	X	502	CLA	CHA-CBD-CGD-O1D
16	X	502	CLA	CHA-CBD-CGD-O2D
16	X	505	CLA	C2B-C3B-CAB-CBB
16	X	505	CLA	C4B-C3B-CAB-CBB
16	X	506	CLA	CHA-CBD-CGD-O1D
16	X	506	CLA	CHA-CBD-CGD-O2D
16	X	508	CLA	C3A-C2A-CAA-CBA
16	X	509	CLA	CBD-CGD-O2D-CED
16	X	509	CLA	O1D-CGD-O2D-CED
16	X	510	CLA	CHA-CBD-CGD-O1D
16	X	510	CLA	CHA-CBD-CGD-O2D
16	X	511	CLA	CBD-CGD-O2D-CED
16	X	512	CLA	C1A-C2A-CAA-CBA
16	X	512	CLA	CBD-CGD-O2D-CED
16	X	512	CLA	O1D-CGD-O2D-CED
16	X	513	CLA	C1A-C2A-CAA-CBA
16	X	513	CLA	C3A-C2A-CAA-CBA
16	X	513	CLA	CBD-CGD-O2D-CED
16	X	514	CLA	CHA-CBD-CGD-O2D
16	X	516	CLA	C1A-C2A-CAA-CBA
16	X	516	CLA	C3A-C2A-CAA-CBA
16	X	516	CLA	CBD-CGD-O2D-CED
16	X	516	CLA	O1D-CGD-O2D-CED
16	X	517	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
16	Y	501	CLA	C2B-C3B-CAB-CBB
16	Y	501	CLA	C4B-C3B-CAB-CBB
16	Y	501	CLA	CAD-CBD-CGD-O1D
16	Y	501	CLA	CAD-CBD-CGD-O2D
16	Y	503	CLA	CHA-CBD-CGD-O2D
16	Y	505	CLA	C4B-C3B-CAB-CBB
16	Y	508	CLA	C3A-C2A-CAA-CBA
16	Y	508	CLA	C2B-C3B-CAB-CBB
16	Y	508	CLA	C4B-C3B-CAB-CBB
16	Y	508	CLA	CBD-CGD-O2D-CED
16	Y	511	CLA	C1A-C2A-CAA-CBA
16	Y	511	CLA	CBD-CGD-O2D-CED
16	Y	513	CLA	C4B-C3B-CAB-CBB
16	Y	514	CLA	CHA-CBD-CGD-O2D
16	Y	515	CLA	CAD-CBD-CGD-O1D
16	Y	515	CLA	CAD-CBD-CGD-O2D
16	Y	516	CLA	CBA-CGA-O2A-C1
16	Y	516	CLA	O1A-CGA-O2A-C1
16	Y	517	CLA	CHA-CBD-CGD-O1D
16	Y	517	CLA	CHA-CBD-CGD-O2D
16	Z	501	CLA	C2B-C3B-CAB-CBB
16	Z	501	CLA	C4B-C3B-CAB-CBB
16	Z	501	CLA	CBD-CGD-O2D-CED
16	Z	502	CLA	CHA-CBD-CGD-O1D
16	Z	502	CLA	CHA-CBD-CGD-O2D
16	Z	503	CLA	C2B-C3B-CAB-CBB
16	Z	503	CLA	C4B-C3B-CAB-CBB
16	Z	503	CLA	CHA-CBD-CGD-O1D
16	Z	503	CLA	CHA-CBD-CGD-O2D
16	Z	503	CLA	CBD-CGD-O2D-CED
16	Z	505	CLA	CAD-CBD-CGD-O2D
16	Z	507	CLA	C2B-C3B-CAB-CBB
16	Z	507	CLA	C4B-C3B-CAB-CBB
16	Z	507	CLA	CAD-CBD-CGD-O2D
16	Z	507	CLA	CBD-CGD-O2D-CED
16	Z	508	CLA	C3A-C2A-CAA-CBA
16	Z	508	CLA	C4B-C3B-CAB-CBB
16	Z	513	CLA	C4B-C3B-CAB-CBB
16	Z	513	CLA	CHA-CBD-CGD-O1D
16	Z	513	CLA	CHA-CBD-CGD-O2D
16	Z	514	CLA	CBD-CGD-O2D-CED
16	Z	516	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
16	Z	516	CLA	C3A-C2A-CAA-CBA
16	Z	516	CLA	CBA-CGA-O2A-C1
16	Z	516	CLA	CBD-CGD-O2D-CED
16	Z	516	CLA	O1D-CGD-O2D-CED
16	g	501	CLA	CAD-CBD-CGD-O1D
16	g	501	CLA	CAD-CBD-CGD-O2D
16	g	502	CLA	C2B-C3B-CAB-CBB
16	g	502	CLA	C4B-C3B-CAB-CBB
16	g	502	CLA	CHA-CBD-CGD-O1D
16	g	502	CLA	CHA-CBD-CGD-O2D
16	g	503	CLA	C2B-C3B-CAB-CBB
16	g	503	CLA	C4B-C3B-CAB-CBB
16	g	505	CLA	C4B-C3B-CAB-CBB
16	g	505	CLA	CAD-CBD-CGD-O1D
16	g	505	CLA	CAD-CBD-CGD-O2D
16	g	507	CLA	CAD-CBD-CGD-O2D
16	g	508	CLA	C1A-C2A-CAA-CBA
16	g	508	CLA	C3A-C2A-CAA-CBA
16	g	510	CLA	C2B-C3B-CAB-CBB
16	g	510	CLA	C4B-C3B-CAB-CBB
16	g	511	CLA	CBD-CGD-O2D-CED
16	g	512	CLA	C3A-C2A-CAA-CBA
16	g	513	CLA	CBD-CGD-O2D-CED
16	g	514	CLA	C2B-C3B-CAB-CBB
16	g	514	CLA	C4B-C3B-CAB-CBB
16	g	514	CLA	CHA-CBD-CGD-O1D
16	g	514	CLA	CHA-CBD-CGD-O2D
16	g	515	CLA	C2B-C3B-CAB-CBB
16	g	515	CLA	C4B-C3B-CAB-CBB
16	g	515	CLA	CBD-CGD-O2D-CED
16	g	515	CLA	O1D-CGD-O2D-CED
16	g	517	CLA	CBD-CGD-O2D-CED
16	y	501	CLA	C3A-C2A-CAA-CBA
16	y	501	CLA	CBA-CGA-O2A-C1
16	y	501	CLA	O1A-CGA-O2A-C1
16	y	501	CLA	C2B-C3B-CAB-CBB
16	y	501	CLA	C4B-C3B-CAB-CBB
16	y	501	CLA	CBD-CGD-O2D-CED
16	y	503	CLA	CHA-CBD-CGD-O2D
16	y	503	CLA	CBD-CGD-O2D-CED
16	y	504	CLA	CHA-CBD-CGD-O1D
16	y	504	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
16	y	504	CLA	CBD-CGD-O2D-CED
16	y	505	CLA	C2B-C3B-CAB-CBB
16	y	505	CLA	C4B-C3B-CAB-CBB
16	y	505	CLA	CBD-CGD-O2D-CED
16	y	506	CLA	CAD-CBD-CGD-O1D
16	y	506	CLA	CAD-CBD-CGD-O2D
16	y	508	CLA	C1A-C2A-CAA-CBA
16	y	508	CLA	C3A-C2A-CAA-CBA
16	y	508	CLA	C4B-C3B-CAB-CBB
16	y	513	CLA	C4B-C3B-CAB-CBB
16	y	514	CLA	C2B-C3B-CAB-CBB
16	y	514	CLA	C4B-C3B-CAB-CBB
16	y	516	CLA	C1A-C2A-CAA-CBA
16	y	516	CLA	C3A-C2A-CAA-CBA
16	y	517	CLA	C2B-C3B-CAB-CBB
16	y	517	CLA	C4B-C3B-CAB-CBB
16	y	517	CLA	CHA-CBD-CGD-O2D
16	a	1013	CLA	C2-C1-O2A-CGA
16	a	1013	CLA	CBD-CGD-O2D-CED
16	a	1022	CLA	C2B-C3B-CAB-CBB
16	a	1022	CLA	C4B-C3B-CAB-CBB
16	a	1022	CLA	CBD-CGD-O2D-CED
16	a	1101	CLA	C1A-C2A-CAA-CBA
16	a	1101	CLA	CHA-CBD-CGD-O1D
16	a	1101	CLA	CHA-CBD-CGD-O2D
16	a	1102	CLA	C1A-C2A-CAA-CBA
16	a	1102	CLA	C3A-C2A-CAA-CBA
16	a	1102	CLA	CAD-CBD-CGD-O1D
16	a	1102	CLA	CAD-CBD-CGD-O2D
16	a	1103	CLA	CAD-CBD-CGD-O1D
16	a	1103	CLA	CAD-CBD-CGD-O2D
16	a	1104	CLA	CBD-CGD-O2D-CED
16	a	1106	CLA	C1A-C2A-CAA-CBA
16	a	1106	CLA	C3A-C2A-CAA-CBA
16	a	1106	CLA	CHA-CBD-CGD-O1D
16	a	1106	CLA	CHA-CBD-CGD-O2D
16	a	1107	CLA	C1A-C2A-CAA-CBA
16	a	1108	CLA	C1A-C2A-CAA-CBA
16	a	1108	CLA	CBD-CGD-O2D-CED
16	a	1109	CLA	C2B-C3B-CAB-CBB
16	a	1109	CLA	C4B-C3B-CAB-CBB
16	a	1109	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
16	a	1109	CLA	C4-C3-C5-C6
16	a	1111	CLA	C2B-C3B-CAB-CBB
16	a	1111	CLA	C4B-C3B-CAB-CBB
16	a	1112	CLA	C1A-C2A-CAA-CBA
16	a	1112	CLA	C3A-C2A-CAA-CBA
16	a	1112	CLA	CBD-CGD-O2D-CED
16	a	1113	CLA	C1A-C2A-CAA-CBA
16	a	1113	CLA	C3A-C2A-CAA-CBA
16	a	1114	CLA	C4B-C3B-CAB-CBB
16	a	1116	CLA	C3A-C2A-CAA-CBA
16	a	1117	CLA	C1A-C2A-CAA-CBA
16	a	1117	CLA	C3A-C2A-CAA-CBA
16	a	1117	CLA	CHA-CBD-CGD-O1D
16	a	1117	CLA	CHA-CBD-CGD-O2D
16	a	1118	CLA	C2B-C3B-CAB-CBB
16	a	1118	CLA	C4B-C3B-CAB-CBB
16	a	1119	CLA	CHA-CBD-CGD-O1D
16	a	1119	CLA	CHA-CBD-CGD-O2D
16	a	1120	CLA	C1A-C2A-CAA-CBA
16	a	1120	CLA	C3A-C2A-CAA-CBA
16	a	1121	CLA	C1A-C2A-CAA-CBA
16	a	1121	CLA	C3A-C2A-CAA-CBA
16	a	1121	CLA	CAD-CBD-CGD-O1D
16	a	1121	CLA	CAD-CBD-CGD-O2D
16	a	1121	CLA	CBD-CGD-O2D-CED
16	a	1121	CLA	C2-C3-C5-C6
16	a	1122	CLA	C4B-C3B-CAB-CBB
16	a	1123	CLA	C1A-C2A-CAA-CBA
16	a	1125	CLA	C6-C7-C8-C9
16	a	1126	CLA	C1A-C2A-CAA-CBA
16	a	1126	CLA	C2B-C3B-CAB-CBB
16	a	1126	CLA	C4B-C3B-CAB-CBB
16	a	1127	CLA	C1A-C2A-CAA-CBA
16	a	1131	CLA	C2B-C3B-CAB-CBB
16	a	1131	CLA	C4B-C3B-CAB-CBB
16	a	1132	CLA	C4B-C3B-CAB-CBB
16	a	1132	CLA	CHA-CBD-CGD-O1D
16	a	1132	CLA	CHA-CBD-CGD-O2D
16	a	1133	CLA	C1A-C2A-CAA-CBA
16	a	1133	CLA	C3A-C2A-CAA-CBA
16	a	1133	CLA	C2B-C3B-CAB-CBB
16	a	1133	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
16	a	1134	CLA	C1A-C2A-CAA-CBA
16	a	1134	CLA	C3A-C2A-CAA-CBA
16	a	1134	CLA	C2B-C3B-CAB-CBB
16	a	1134	CLA	C4B-C3B-CAB-CBB
16	a	1134	CLA	CHA-CBD-CGD-O1D
16	a	1134	CLA	CHA-CBD-CGD-O2D
16	a	1136	CLA	C4B-C3B-CAB-CBB
16	a	1137	CLA	CHA-CBD-CGD-O1D
16	a	1137	CLA	CHA-CBD-CGD-O2D
16	a	1138	CLA	C2B-C3B-CAB-CBB
16	a	1138	CLA	C4B-C3B-CAB-CBB
16	a	1139	CLA	C4-C3-C5-C6
16	a	1140	CLA	C4B-C3B-CAB-CBB
16	a	1237	CLA	C2B-C3B-CAB-CBB
16	a	1237	CLA	C4B-C3B-CAB-CBB
16	a	1237	CLA	CBD-CGD-O2D-CED
16	a	1402	CLA	C2B-C3B-CAB-CBB
16	a	1402	CLA	C4B-C3B-CAB-CBB
16	a	1801	CLA	CBD-CGD-O2D-CED
16	b	1012	CLA	C2B-C3B-CAB-CBB
16	b	1012	CLA	C4B-C3B-CAB-CBB
16	b	1021	CLA	CBD-CGD-O2D-CED
16	b	1023	CLA	CBD-CGD-O2D-CED
16	b	1201	CLA	CHA-CBD-CGD-O1D
16	b	1201	CLA	CHA-CBD-CGD-O2D
16	b	1202	CLA	C1A-C2A-CAA-CBA
16	b	1202	CLA	C3A-C2A-CAA-CBA
16	b	1202	CLA	CAD-CBD-CGD-O1D
16	b	1202	CLA	CAD-CBD-CGD-O2D
16	b	1203	CLA	C6-C7-C8-C9
16	b	1204	CLA	C4B-C3B-CAB-CBB
16	b	1205	CLA	C4B-C3B-CAB-CBB
16	b	1205	CLA	CHA-CBD-CGD-O1D
16	b	1205	CLA	CHA-CBD-CGD-O2D
16	b	1206	CLA	C1A-C2A-CAA-CBA
16	b	1206	CLA	C3A-C2A-CAA-CBA
16	b	1207	CLA	CHA-CBD-CGD-O1D
16	b	1207	CLA	CHA-CBD-CGD-O2D
16	b	1209	CLA	C2B-C3B-CAB-CBB
16	b	1209	CLA	C4B-C3B-CAB-CBB
16	b	1209	CLA	CBD-CGD-O2D-CED
16	b	1209	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
16	b	1210	CLA	C3A-C2A-CAA-CBA
16	b	1210	CLA	C2C-C3C-CAC-CBC
16	b	1210	CLA	C4C-C3C-CAC-CBC
16	b	1212	CLA	CBD-CGD-O2D-CED
16	b	1215	CLA	C1A-C2A-CAA-CBA
16	b	1215	CLA	C3A-C2A-CAA-CBA
16	b	1215	CLA	CAD-CBD-CGD-O1D
16	b	1215	CLA	CAD-CBD-CGD-O2D
16	b	1216	CLA	C1A-C2A-CAA-CBA
16	b	1216	CLA	C3A-C2A-CAA-CBA
16	b	1216	CLA	C4B-C3B-CAB-CBB
16	b	1218	CLA	C2B-C3B-CAB-CBB
16	b	1218	CLA	C4B-C3B-CAB-CBB
16	b	1218	CLA	CHA-CBD-CGD-O1D
16	b	1218	CLA	CHA-CBD-CGD-O2D
16	b	1220	CLA	CBD-CGD-O2D-CED
16	b	1221	CLA	CHA-CBD-CGD-O1D
16	b	1221	CLA	CHA-CBD-CGD-O2D
16	b	1223	CLA	C4B-C3B-CAB-CBB
16	b	1224	CLA	C1A-C2A-CAA-CBA
16	b	1224	CLA	C3A-C2A-CAA-CBA
16	b	1224	CLA	CAD-CBD-CGD-O1D
16	b	1224	CLA	CAD-CBD-CGD-O2D
16	b	1225	CLA	C1A-C2A-CAA-CBA
16	b	1225	CLA	C3A-C2A-CAA-CBA
16	b	1225	CLA	CBD-CGD-O2D-CED
16	b	1226	CLA	CBD-CGD-O2D-CED
16	b	1226	CLA	O1D-CGD-O2D-CED
16	b	1227	CLA	C2B-C3B-CAB-CBB
16	b	1227	CLA	C4B-C3B-CAB-CBB
16	b	1229	CLA	CAD-CBD-CGD-O1D
16	b	1229	CLA	CAD-CBD-CGD-O2D
16	b	1230	CLA	CHA-CBD-CGD-O1D
16	b	1230	CLA	CHA-CBD-CGD-O2D
16	b	1231	CLA	CBD-CGD-O2D-CED
16	b	1232	CLA	C1A-C2A-CAA-CBA
16	b	1232	CLA	C3A-C2A-CAA-CBA
16	b	1232	CLA	C4B-C3B-CAB-CBB
16	b	1232	CLA	CBD-CGD-O2D-CED
16	b	1232	CLA	O1D-CGD-O2D-CED
16	b	1234	CLA	CAD-CBD-CGD-O1D
16	b	1234	CLA	CAD-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
16	b	1235	CLA	CBD-CGD-O2D-CED
16	b	1238	CLA	C1A-C2A-CAA-CBA
16	b	1238	CLA	C3A-C2A-CAA-CBA
16	b	1238	CLA	C2B-C3B-CAB-CBB
16	b	1238	CLA	C4B-C3B-CAB-CBB
16	b	1238	CLA	C2-C3-C5-C6
16	b	1238	CLA	C4-C3-C5-C6
16	b	1239	CLA	C4B-C3B-CAB-CBB
16	b	1240	CLA	CBD-CGD-O2D-CED
16	k	1401	CLA	C2B-C3B-CAB-CBB
16	k	1401	CLA	C4B-C3B-CAB-CBB
16	l	1501	CLA	C1A-C2A-CAA-CBA
16	l	1502	CLA	C2B-C3B-CAB-CBB
16	l	1502	CLA	C4B-C3B-CAB-CBB
16	l	1503	CLA	CAD-CBD-CGD-O1D
16	l	1503	CLA	CAD-CBD-CGD-O2D
16	n	501	CLA	CAD-CBD-CGD-O2D
16	n	502	CLA	C2B-C3B-CAB-CBB
16	n	502	CLA	C4B-C3B-CAB-CBB
16	n	502	CLA	CBD-CGD-O2D-CED
16	n	502	CLA	O1D-CGD-O2D-CED
16	n	503	CLA	CBA-CGA-O2A-C1
16	n	503	CLA	CHA-CBD-CGD-O1D
16	n	503	CLA	CHA-CBD-CGD-O2D
16	n	505	CLA	C1A-C2A-CAA-CBA
16	n	505	CLA	C2B-C3B-CAB-CBB
16	n	505	CLA	C4B-C3B-CAB-CBB
16	n	506	CLA	CHA-CBD-CGD-O1D
16	n	506	CLA	CHA-CBD-CGD-O2D
16	n	508	CLA	C4B-C3B-CAB-CBB
16	n	508	CLA	CBD-CGD-O2D-CED
16	n	509	CLA	CBD-CGD-O2D-CED
16	n	510	CLA	CAD-CBD-CGD-O1D
16	n	510	CLA	CAD-CBD-CGD-O2D
16	n	511	CLA	C1A-C2A-CAA-CBA
16	n	511	CLA	C3A-C2A-CAA-CBA
16	n	511	CLA	CBD-CGD-O2D-CED
16	n	513	CLA	C2B-C3B-CAB-CBB
16	n	513	CLA	C4B-C3B-CAB-CBB
16	n	516	CLA	CBD-CGD-O2D-CED
16	n	516	CLA	O1D-CGD-O2D-CED
16	o	501	CLA	CAD-CBD-CGD-O1D

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Mol	Chain	Res	Type	Atoms
16	o	501	CLA	CAD-CBD-CGD-O2D
16	o	502	CLA	C1A-C2A-CAA-CBA
16	o	502	CLA	C3A-C2A-CAA-CBA
16	o	502	CLA	CHA-CBD-CGD-O2D
16	o	505	CLA	C2B-C3B-CAB-CBB
16	o	505	CLA	C4B-C3B-CAB-CBB
16	o	507	CLA	C11-C10-C8-C9
16	o	508	CLA	C3A-C2A-CAA-CBA
16	o	509	CLA	CBD-CGD-O2D-CED
16	o	509	CLA	O1D-CGD-O2D-CED
16	o	510	CLA	CHA-CBD-CGD-O1D
16	o	510	CLA	CHA-CBD-CGD-O2D
16	o	511	CLA	CBD-CGD-O2D-CED
16	o	512	CLA	C1A-C2A-CAA-CBA
16	o	512	CLA	CBD-CGD-O2D-CED
16	o	512	CLA	O1D-CGD-O2D-CED
16	o	513	CLA	C1A-C2A-CAA-CBA
16	o	513	CLA	C3A-C2A-CAA-CBA
16	o	513	CLA	CBD-CGD-O2D-CED
16	o	514	CLA	CHA-CBD-CGD-O1D
16	o	514	CLA	CHA-CBD-CGD-O2D
16	o	516	CLA	C1A-C2A-CAA-CBA
16	o	516	CLA	C3A-C2A-CAA-CBA
16	o	516	CLA	CBD-CGD-O2D-CED
16	o	516	CLA	O1D-CGD-O2D-CED
16	o	517	CLA	CHA-CBD-CGD-O1D
16	o	517	CLA	CHA-CBD-CGD-O2D
16	p	501	CLA	C2B-C3B-CAB-CBB
16	p	501	CLA	C4B-C3B-CAB-CBB
16	p	501	CLA	CAD-CBD-CGD-O1D
16	p	501	CLA	CAD-CBD-CGD-O2D
16	p	507	CLA	CBD-CGD-O2D-CED
16	p	507	CLA	C11-C10-C8-C9
16	p	508	CLA	C3A-C2A-CAA-CBA
16	p	508	CLA	C2B-C3B-CAB-CBB
16	p	508	CLA	C4B-C3B-CAB-CBB
16	p	511	CLA	CBD-CGD-O2D-CED
16	p	513	CLA	C4B-C3B-CAB-CBB
16	p	515	CLA	CAD-CBD-CGD-O1D
16	p	515	CLA	CAD-CBD-CGD-O2D
16	p	516	CLA	CBA-CGA-O2A-C1
16	p	516	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
16	p	516	CLA	CBD-CGD-O2D-CED
16	p	517	CLA	CHA-CBD-CGD-O2D
16	q	501	CLA	C2B-C3B-CAB-CBB
16	q	501	CLA	C4B-C3B-CAB-CBB
16	q	502	CLA	CHA-CBD-CGD-O1D
16	q	502	CLA	CHA-CBD-CGD-O2D
16	q	503	CLA	C2B-C3B-CAB-CBB
16	q	503	CLA	C4B-C3B-CAB-CBB
16	q	503	CLA	CHA-CBD-CGD-O1D
16	q	503	CLA	CHA-CBD-CGD-O2D
16	q	503	CLA	CBD-CGD-O2D-CED
16	q	505	CLA	CAD-CBD-CGD-O1D
16	q	505	CLA	CAD-CBD-CGD-O2D
16	q	507	CLA	C2B-C3B-CAB-CBB
16	q	507	CLA	C4B-C3B-CAB-CBB
16	q	507	CLA	CAD-CBD-CGD-O2D
16	q	507	CLA	CBD-CGD-O2D-CED
16	q	508	CLA	C3A-C2A-CAA-CBA
16	q	508	CLA	C4B-C3B-CAB-CBB
16	q	513	CLA	C1A-C2A-CAA-CBA
16	q	513	CLA	C3A-C2A-CAA-CBA
16	q	513	CLA	C4B-C3B-CAB-CBB
16	q	513	CLA	CHA-CBD-CGD-O1D
16	q	513	CLA	CHA-CBD-CGD-O2D
16	q	514	CLA	C4B-C3B-CAB-CBB
16	q	514	CLA	CBD-CGD-O2D-CED
16	q	516	CLA	C1A-C2A-CAA-CBA
16	q	516	CLA	C3A-C2A-CAA-CBA
16	q	516	CLA	CBA-CGA-O2A-C1
16	q	516	CLA	O1A-CGA-O2A-C1
16	q	516	CLA	CBD-CGD-O2D-CED
16	q	516	CLA	O1D-CGD-O2D-CED
16	r	501	CLA	CAD-CBD-CGD-O2D
16	r	502	CLA	C1A-C2A-CAA-CBA
16	r	502	CLA	C3A-C2A-CAA-CBA
16	r	502	CLA	C4B-C3B-CAB-CBB
16	r	502	CLA	CHA-CBD-CGD-O1D
16	r	502	CLA	CHA-CBD-CGD-O2D
16	r	503	CLA	C2B-C3B-CAB-CBB
16	r	503	CLA	C4B-C3B-CAB-CBB
16	r	504	CLA	CHA-CBD-CGD-O2D
16	r	505	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
16	r	505	CLA	C4B-C3B-CAB-CBB
16	r	505	CLA	CAD-CBD-CGD-O1D
16	r	505	CLA	CAD-CBD-CGD-O2D
16	r	506	CLA	CHA-CBD-CGD-O1D
16	r	506	CLA	CHA-CBD-CGD-O2D
16	r	507	CLA	CAD-CBD-CGD-O2D
16	r	508	CLA	C1A-C2A-CAA-CBA
16	r	508	CLA	C3A-C2A-CAA-CBA
16	r	508	CLA	C4B-C3B-CAB-CBB
16	r	508	CLA	CHA-CBD-CGD-O1D
16	r	508	CLA	CHA-CBD-CGD-O2D
16	r	509	CLA	C11-C10-C8-C9
16	r	510	CLA	C4B-C3B-CAB-CBB
16	r	510	CLA	CAD-CBD-CGD-O1D
16	r	510	CLA	CAD-CBD-CGD-O2D
16	r	510	CLA	CBD-CGD-O2D-CED
16	r	511	CLA	O1A-CGA-O2A-C1
16	r	511	CLA	CBD-CGD-O2D-CED
16	r	513	CLA	C1A-C2A-CAA-CBA
16	r	513	CLA	CBD-CGD-O2D-CED
16	r	514	CLA	CHA-CBD-CGD-O1D
16	r	514	CLA	CHA-CBD-CGD-O2D
16	r	515	CLA	CBD-CGD-O2D-CED
16	r	515	CLA	O1D-CGD-O2D-CED
16	h	501	CLA	CBA-CGA-O2A-C1
16	h	501	CLA	O1A-CGA-O2A-C1
16	h	501	CLA	C2B-C3B-CAB-CBB
16	h	501	CLA	C4B-C3B-CAB-CBB
16	h	501	CLA	CBD-CGD-O2D-CED
16	h	502	CLA	CAD-CBD-CGD-O1D
16	h	502	CLA	CAD-CBD-CGD-O2D
16	h	503	CLA	CHA-CBD-CGD-O2D
16	h	503	CLA	CBD-CGD-O2D-CED
16	h	504	CLA	CHA-CBD-CGD-O1D
16	h	504	CLA	CHA-CBD-CGD-O2D
16	h	505	CLA	C4B-C3B-CAB-CBB
16	h	506	CLA	CAD-CBD-CGD-O1D
16	h	506	CLA	CAD-CBD-CGD-O2D
16	h	506	CLA	CBD-CGD-O2D-CED
16	h	508	CLA	C1A-C2A-CAA-CBA
16	h	508	CLA	C3A-C2A-CAA-CBA
16	h	508	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
16	h	510	CLA	CAD-CBD-CGD-O1D
16	h	510	CLA	CAD-CBD-CGD-O2D
16	h	513	CLA	C4B-C3B-CAB-CBB
16	h	516	CLA	C1A-C2A-CAA-CBA
16	h	516	CLA	C3A-C2A-CAA-CBA
16	h	517	CLA	C2B-C3B-CAB-CBB
16	h	517	CLA	C4B-C3B-CAB-CBB
16	h	517	CLA	CHA-CBD-CGD-O2D
16	H	1013	CLA	C2-C1-O2A-CGA
16	H	1013	CLA	CBD-CGD-O2D-CED
16	H	1022	CLA	C2B-C3B-CAB-CBB
16	H	1022	CLA	C4B-C3B-CAB-CBB
16	H	1022	CLA	CBD-CGD-O2D-CED
16	H	1101	CLA	C1A-C2A-CAA-CBA
16	H	1101	CLA	CHA-CBD-CGD-O1D
16	H	1101	CLA	CHA-CBD-CGD-O2D
16	H	1102	CLA	C1A-C2A-CAA-CBA
16	H	1102	CLA	C3A-C2A-CAA-CBA
16	H	1102	CLA	CAD-CBD-CGD-O1D
16	H	1102	CLA	CAD-CBD-CGD-O2D
16	H	1103	CLA	CAD-CBD-CGD-O1D
16	H	1103	CLA	CAD-CBD-CGD-O2D
16	H	1104	CLA	CBD-CGD-O2D-CED
16	H	1106	CLA	C1A-C2A-CAA-CBA
16	H	1106	CLA	C3A-C2A-CAA-CBA
16	H	1106	CLA	CHA-CBD-CGD-O1D
16	H	1106	CLA	CHA-CBD-CGD-O2D
16	H	1107	CLA	C1A-C2A-CAA-CBA
16	H	1108	CLA	C1A-C2A-CAA-CBA
16	H	1108	CLA	CBD-CGD-O2D-CED
16	H	1109	CLA	C2B-C3B-CAB-CBB
16	H	1109	CLA	C4B-C3B-CAB-CBB
16	H	1109	CLA	CBD-CGD-O2D-CED
16	H	1109	CLA	C4-C3-C5-C6
16	H	1111	CLA	C2B-C3B-CAB-CBB
16	H	1111	CLA	C4B-C3B-CAB-CBB
16	H	1112	CLA	C1A-C2A-CAA-CBA
16	H	1112	CLA	C3A-C2A-CAA-CBA
16	H	1112	CLA	CBD-CGD-O2D-CED
16	H	1113	CLA	C1A-C2A-CAA-CBA
16	H	1113	CLA	C3A-C2A-CAA-CBA
16	H	1114	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
16	H	1116	CLA	C3A-C2A-CAA-CBA
16	H	1117	CLA	C1A-C2A-CAA-CBA
16	H	1117	CLA	C3A-C2A-CAA-CBA
16	H	1117	CLA	CHA-CBD-CGD-O1D
16	H	1117	CLA	CHA-CBD-CGD-O2D
16	H	1118	CLA	C2B-C3B-CAB-CBB
16	H	1118	CLA	C4B-C3B-CAB-CBB
16	H	1119	CLA	CHA-CBD-CGD-O1D
16	H	1119	CLA	CHA-CBD-CGD-O2D
16	H	1120	CLA	C1A-C2A-CAA-CBA
16	H	1120	CLA	C3A-C2A-CAA-CBA
16	H	1121	CLA	C1A-C2A-CAA-CBA
16	H	1121	CLA	C3A-C2A-CAA-CBA
16	H	1121	CLA	CAD-CBD-CGD-O1D
16	H	1121	CLA	CAD-CBD-CGD-O2D
16	H	1121	CLA	CBD-CGD-O2D-CED
16	H	1121	CLA	C2-C3-C5-C6
16	H	1122	CLA	C4B-C3B-CAB-CBB
16	H	1123	CLA	C1A-C2A-CAA-CBA
16	H	1125	CLA	C6-C7-C8-C9
16	H	1126	CLA	C1A-C2A-CAA-CBA
16	H	1126	CLA	C2B-C3B-CAB-CBB
16	H	1126	CLA	C4B-C3B-CAB-CBB
16	H	1127	CLA	C1A-C2A-CAA-CBA
16	H	1131	CLA	C2B-C3B-CAB-CBB
16	H	1131	CLA	C4B-C3B-CAB-CBB
16	H	1132	CLA	C4B-C3B-CAB-CBB
16	H	1132	CLA	CHA-CBD-CGD-O1D
16	H	1132	CLA	CHA-CBD-CGD-O2D
16	H	1133	CLA	C1A-C2A-CAA-CBA
16	H	1133	CLA	C3A-C2A-CAA-CBA
16	H	1133	CLA	C2B-C3B-CAB-CBB
16	H	1133	CLA	C4B-C3B-CAB-CBB
16	H	1134	CLA	C1A-C2A-CAA-CBA
16	H	1134	CLA	C3A-C2A-CAA-CBA
16	H	1134	CLA	C2B-C3B-CAB-CBB
16	H	1134	CLA	C4B-C3B-CAB-CBB
16	H	1134	CLA	CHA-CBD-CGD-O1D
16	H	1134	CLA	CHA-CBD-CGD-O2D
16	H	1136	CLA	C4B-C3B-CAB-CBB
16	H	1137	CLA	CHA-CBD-CGD-O1D
16	H	1137	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
16	H	1138	CLA	C2B-C3B-CAB-CBB
16	H	1138	CLA	C4B-C3B-CAB-CBB
16	H	1139	CLA	C4-C3-C5-C6
16	H	1140	CLA	C4B-C3B-CAB-CBB
16	H	1237	CLA	C2B-C3B-CAB-CBB
16	H	1237	CLA	C4B-C3B-CAB-CBB
16	H	1237	CLA	CBD-CGD-O2D-CED
16	H	1402	CLA	C2B-C3B-CAB-CBB
16	H	1402	CLA	C4B-C3B-CAB-CBB
16	H	1801	CLA	CBD-CGD-O2D-CED
16	G	1012	CLA	C2B-C3B-CAB-CBB
16	G	1012	CLA	C4B-C3B-CAB-CBB
16	G	1021	CLA	CBD-CGD-O2D-CED
16	G	1023	CLA	CBD-CGD-O2D-CED
16	G	1201	CLA	CHA-CBD-CGD-O1D
16	G	1201	CLA	CHA-CBD-CGD-O2D
16	G	1202	CLA	C1A-C2A-CAA-CBA
16	G	1202	CLA	C3A-C2A-CAA-CBA
16	G	1202	CLA	CAD-CBD-CGD-O1D
16	G	1202	CLA	CAD-CBD-CGD-O2D
16	G	1204	CLA	C4B-C3B-CAB-CBB
16	G	1205	CLA	C4B-C3B-CAB-CBB
16	G	1205	CLA	CHA-CBD-CGD-O1D
16	G	1205	CLA	CHA-CBD-CGD-O2D
16	G	1206	CLA	C1A-C2A-CAA-CBA
16	G	1206	CLA	C3A-C2A-CAA-CBA
16	G	1207	CLA	CHA-CBD-CGD-O1D
16	G	1207	CLA	CHA-CBD-CGD-O2D
16	G	1209	CLA	C2B-C3B-CAB-CBB
16	G	1209	CLA	C4B-C3B-CAB-CBB
16	G	1209	CLA	CBD-CGD-O2D-CED
16	G	1209	CLA	O1D-CGD-O2D-CED
16	G	1210	CLA	C3A-C2A-CAA-CBA
16	G	1210	CLA	C2C-C3C-CAC-CBC
16	G	1210	CLA	C4C-C3C-CAC-CBC
16	G	1212	CLA	CBD-CGD-O2D-CED
16	G	1215	CLA	C1A-C2A-CAA-CBA
16	G	1215	CLA	C3A-C2A-CAA-CBA
16	G	1215	CLA	CAD-CBD-CGD-O1D
16	G	1215	CLA	CAD-CBD-CGD-O2D
16	G	1216	CLA	C1A-C2A-CAA-CBA
16	G	1216	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
16	G	1216	CLA	C4B-C3B-CAB-CBB
16	G	1218	CLA	C2B-C3B-CAB-CBB
16	G	1218	CLA	C4B-C3B-CAB-CBB
16	G	1218	CLA	CHA-CBD-CGD-O1D
16	G	1218	CLA	CHA-CBD-CGD-O2D
16	G	1220	CLA	CBD-CGD-O2D-CED
16	G	1221	CLA	CHA-CBD-CGD-O1D
16	G	1221	CLA	CHA-CBD-CGD-O2D
16	G	1223	CLA	C4B-C3B-CAB-CBB
16	G	1224	CLA	C1A-C2A-CAA-CBA
16	G	1224	CLA	C3A-C2A-CAA-CBA
16	G	1224	CLA	CAD-CBD-CGD-O1D
16	G	1224	CLA	CAD-CBD-CGD-O2D
16	G	1225	CLA	C1A-C2A-CAA-CBA
16	G	1225	CLA	C3A-C2A-CAA-CBA
16	G	1225	CLA	CBD-CGD-O2D-CED
16	G	1226	CLA	CBD-CGD-O2D-CED
16	G	1226	CLA	O1D-CGD-O2D-CED
16	G	1227	CLA	C2B-C3B-CAB-CBB
16	G	1227	CLA	C4B-C3B-CAB-CBB
16	G	1229	CLA	CAD-CBD-CGD-O1D
16	G	1229	CLA	CAD-CBD-CGD-O2D
16	G	1230	CLA	CHA-CBD-CGD-O1D
16	G	1230	CLA	CHA-CBD-CGD-O2D
16	G	1231	CLA	CBD-CGD-O2D-CED
16	G	1232	CLA	C1A-C2A-CAA-CBA
16	G	1232	CLA	C3A-C2A-CAA-CBA
16	G	1232	CLA	C4B-C3B-CAB-CBB
16	G	1232	CLA	CBD-CGD-O2D-CED
16	G	1232	CLA	O1D-CGD-O2D-CED
16	G	1234	CLA	CAD-CBD-CGD-O1D
16	G	1234	CLA	CAD-CBD-CGD-O2D
16	G	1235	CLA	CBD-CGD-O2D-CED
16	G	1238	CLA	C1A-C2A-CAA-CBA
16	G	1238	CLA	C3A-C2A-CAA-CBA
16	G	1238	CLA	C2B-C3B-CAB-CBB
16	G	1238	CLA	C4B-C3B-CAB-CBB
16	G	1238	CLA	C2-C3-C5-C6
16	G	1238	CLA	C4-C3-C5-C6
16	G	1239	CLA	C4B-C3B-CAB-CBB
16	G	1240	CLA	CBD-CGD-O2D-CED
16	U	1501	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
16	U	1502	CLA	C2B-C3B-CAB-CBB
16	U	1502	CLA	C4B-C3B-CAB-CBB
16	U	1503	CLA	CAD-CBD-CGD-O1D
16	U	1503	CLA	CAD-CBD-CGD-O2D
16	t	501	CLA	CAD-CBD-CGD-O1D
16	t	501	CLA	CAD-CBD-CGD-O2D
16	t	502	CLA	C4B-C3B-CAB-CBB
16	t	502	CLA	CBD-CGD-O2D-CED
16	t	502	CLA	O1D-CGD-O2D-CED
16	t	503	CLA	CBA-CGA-O2A-C1
16	t	503	CLA	CHA-CBD-CGD-O2D
16	t	505	CLA	C1A-C2A-CAA-CBA
16	t	505	CLA	C2B-C3B-CAB-CBB
16	t	505	CLA	C4B-C3B-CAB-CBB
16	t	506	CLA	C2B-C3B-CAB-CBB
16	t	506	CLA	C4B-C3B-CAB-CBB
16	t	506	CLA	CHA-CBD-CGD-O1D
16	t	506	CLA	CHA-CBD-CGD-O2D
16	t	508	CLA	C2B-C3B-CAB-CBB
16	t	508	CLA	C4B-C3B-CAB-CBB
16	t	508	CLA	CBD-CGD-O2D-CED
16	t	509	CLA	CBD-CGD-O2D-CED
16	t	511	CLA	C1A-C2A-CAA-CBA
16	t	511	CLA	C3A-C2A-CAA-CBA
16	t	511	CLA	CBD-CGD-O2D-CED
16	t	514	CLA	C2B-C3B-CAB-CBB
16	t	514	CLA	C4B-C3B-CAB-CBB
16	t	514	CLA	CHA-CBD-CGD-O2D
16	u	501	CLA	CAD-CBD-CGD-O1D
16	u	501	CLA	CAD-CBD-CGD-O2D
16	u	502	CLA	C1A-C2A-CAA-CBA
16	u	502	CLA	CHA-CBD-CGD-O1D
16	u	502	CLA	CHA-CBD-CGD-O2D
16	u	505	CLA	C2B-C3B-CAB-CBB
16	u	505	CLA	C4B-C3B-CAB-CBB
16	u	507	CLA	C11-C10-C8-C9
16	u	508	CLA	C3A-C2A-CAA-CBA
16	u	509	CLA	CBD-CGD-O2D-CED
16	u	510	CLA	CHA-CBD-CGD-O1D
16	u	510	CLA	CHA-CBD-CGD-O2D
16	u	511	CLA	CBD-CGD-O2D-CED
16	u	512	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
16	u	512	CLA	CBD-CGD-O2D-CED
16	u	512	CLA	O1D-CGD-O2D-CED
16	u	513	CLA	C1A-C2A-CAA-CBA
16	u	513	CLA	C3A-C2A-CAA-CBA
16	u	516	CLA	C1A-C2A-CAA-CBA
16	u	516	CLA	C3A-C2A-CAA-CBA
16	u	516	CLA	CBD-CGD-O2D-CED
16	u	516	CLA	O1D-CGD-O2D-CED
16	s	501	CLA	C2B-C3B-CAB-CBB
16	s	501	CLA	C4B-C3B-CAB-CBB
16	s	507	CLA	CBD-CGD-O2D-CED
16	s	508	CLA	C3A-C2A-CAA-CBA
16	s	508	CLA	C2B-C3B-CAB-CBB
16	s	508	CLA	C4B-C3B-CAB-CBB
16	s	510	CLA	CHA-CBD-CGD-O1D
16	s	510	CLA	CHA-CBD-CGD-O2D
16	s	511	CLA	C1A-C2A-CAA-CBA
16	s	511	CLA	CBD-CGD-O2D-CED
16	s	512	CLA	C3A-C2A-CAA-CBA
16	s	513	CLA	C4B-C3B-CAB-CBB
16	s	514	CLA	CHA-CBD-CGD-O2D
16	s	515	CLA	CAD-CBD-CGD-O1D
16	s	515	CLA	CAD-CBD-CGD-O2D
16	s	516	CLA	CBA-CGA-O2A-C1
16	s	516	CLA	O1A-CGA-O2A-C1
16	s	516	CLA	CBD-CGD-O2D-CED
16	s	517	CLA	CHA-CBD-CGD-O2D
16	w	501	CLA	C2B-C3B-CAB-CBB
16	w	501	CLA	C4B-C3B-CAB-CBB
16	w	502	CLA	CHA-CBD-CGD-O1D
16	w	502	CLA	CHA-CBD-CGD-O2D
16	w	503	CLA	C2B-C3B-CAB-CBB
16	w	503	CLA	C4B-C3B-CAB-CBB
16	w	503	CLA	CHA-CBD-CGD-O1D
16	w	503	CLA	CHA-CBD-CGD-O2D
16	w	503	CLA	CBD-CGD-O2D-CED
16	w	507	CLA	C2B-C3B-CAB-CBB
16	w	507	CLA	C4B-C3B-CAB-CBB
16	w	507	CLA	CBD-CGD-O2D-CED
16	w	508	CLA	C3A-C2A-CAA-CBA
16	w	508	CLA	C4B-C3B-CAB-CBB
16	w	512	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
16	w	513	CLA	C1A-C2A-CAA-CBA
16	w	513	CLA	C3A-C2A-CAA-CBA
16	w	513	CLA	CHA-CBD-CGD-O1D
16	w	513	CLA	CHA-CBD-CGD-O2D
16	w	514	CLA	C4B-C3B-CAB-CBB
16	w	514	CLA	CBD-CGD-O2D-CED
16	w	515	CLA	CAD-CBD-CGD-O1D
16	w	515	CLA	CAD-CBD-CGD-O2D
16	w	516	CLA	C1A-C2A-CAA-CBA
16	w	516	CLA	C3A-C2A-CAA-CBA
16	w	516	CLA	CBA-CGA-O2A-C1
16	w	516	CLA	O1A-CGA-O2A-C1
16	w	516	CLA	CBD-CGD-O2D-CED
16	w	516	CLA	O1D-CGD-O2D-CED
16	x	501	CLA	CAD-CBD-CGD-O1D
16	x	501	CLA	CAD-CBD-CGD-O2D
16	x	502	CLA	C2B-C3B-CAB-CBB
16	x	502	CLA	C4B-C3B-CAB-CBB
16	x	502	CLA	CHA-CBD-CGD-O1D
16	x	502	CLA	CHA-CBD-CGD-O2D
16	x	503	CLA	C2B-C3B-CAB-CBB
16	x	503	CLA	C4B-C3B-CAB-CBB
16	x	505	CLA	C2B-C3B-CAB-CBB
16	x	505	CLA	C4B-C3B-CAB-CBB
16	x	505	CLA	CAD-CBD-CGD-O2D
16	x	505	CLA	CBD-CGD-O2D-CED
16	x	507	CLA	CAD-CBD-CGD-O2D
16	x	508	CLA	C1A-C2A-CAA-CBA
16	x	508	CLA	C3A-C2A-CAA-CBA
16	x	508	CLA	CHA-CBD-CGD-O2D
16	x	509	CLA	C11-C10-C8-C9
16	x	510	CLA	CAD-CBD-CGD-O1D
16	x	510	CLA	CAD-CBD-CGD-O2D
16	x	511	CLA	CBD-CGD-O2D-CED
16	x	512	CLA	CBD-CGD-O2D-CED
16	x	513	CLA	C1A-C2A-CAA-CBA
16	x	513	CLA	CBD-CGD-O2D-CED
16	x	514	CLA	CHA-CBD-CGD-O1D
16	x	514	CLA	CHA-CBD-CGD-O2D
16	x	515	CLA	CAD-CBD-CGD-O2D
16	v	501	CLA	CBA-CGA-O2A-C1
16	v	501	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
16	v	501	CLA	C2B-C3B-CAB-CBB
16	v	501	CLA	C4B-C3B-CAB-CBB
16	v	501	CLA	CBD-CGD-O2D-CED
16	v	502	CLA	CAD-CBD-CGD-O1D
16	v	502	CLA	CAD-CBD-CGD-O2D
16	v	503	CLA	CHA-CBD-CGD-O2D
16	v	503	CLA	CBD-CGD-O2D-CED
16	v	504	CLA	CHA-CBD-CGD-O1D
16	v	504	CLA	CHA-CBD-CGD-O2D
16	v	505	CLA	C4B-C3B-CAB-CBB
16	v	506	CLA	CAD-CBD-CGD-O1D
16	v	506	CLA	CAD-CBD-CGD-O2D
16	v	506	CLA	CBD-CGD-O2D-CED
16	v	507	CLA	CBD-CGD-O2D-CED
16	v	508	CLA	C1A-C2A-CAA-CBA
16	v	508	CLA	C3A-C2A-CAA-CBA
16	v	508	CLA	C4B-C3B-CAB-CBB
16	v	513	CLA	C4B-C3B-CAB-CBB
16	v	515	CLA	CHA-CBD-CGD-O2D
16	v	516	CLA	C1A-C2A-CAA-CBA
16	v	516	CLA	C3A-C2A-CAA-CBA
16	v	517	CLA	C2B-C3B-CAB-CBB
16	v	517	CLA	C4B-C3B-CAB-CBB
16	v	517	CLA	CHA-CBD-CGD-O2D
16	j	1302	CLA	C4B-C3B-CAB-CBB
16	j	1302	CLA	CBD-CGD-O2D-CED
16	j	1303	CLA	C4B-C3B-CAB-CBB
16	S	1302	CLA	C4B-C3B-CAB-CBB
16	S	1302	CLA	CBD-CGD-O2D-CED
16	S	1303	CLA	C4B-C3B-CAB-CBB
16	K	1401	CLA	C2B-C3B-CAB-CBB
16	K	1401	CLA	C4B-C3B-CAB-CBB
16	T	1401	CLA	C2B-C3B-CAB-CBB
16	T	1401	CLA	C4B-C3B-CAB-CBB
19	A	4001	BCR	C11-C12-C13-C14
19	A	4001	BCR	C18-C19-C20-C21
19	A	4001	BCR	C21-C22-C23-C24
19	A	4002	BCR	C20-C21-C22-C37
19	A	4003	BCR	C10-C11-C12-C13
19	A	4003	BCR	C22-C23-C24-C25
19	A	4007	BCR	C21-C22-C23-C24
19	A	4007	BCR	C22-C23-C24-C25

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Mol	Chain	Res	Type	Atoms
19	A	4008	BCR	C6-C7-C8-C9
19	A	4008	BCR	C15-C16-C17-C18
19	A	4008	BCR	C37-C22-C23-C24
19	A	4011	BCR	C18-C19-C20-C21
19	A	4011	BCR	C37-C22-C23-C24
19	B	4004	BCR	C7-C8-C9-C10
19	B	4004	BCR	C19-C20-C21-C22
19	B	4005	BCR	C21-C22-C23-C24
19	B	4009	BCR	C37-C22-C23-C24
19	B	4009	BCR	C22-C23-C24-C25
19	B	4010	BCR	C14-C15-C16-C17
19	B	4010	BCR	C22-C23-C24-C25
19	B	4014	BCR	C20-C21-C22-C37
19	B	4014	BCR	C21-C22-C23-C24
19	B	4017	BCR	C21-C22-C23-C24
19	B	4017	BCR	C22-C23-C24-C25
19	F	4016	BCR	C6-C7-C8-C9
19	F	4016	BCR	C7-C8-C9-C10
19	F	4016	BCR	C7-C8-C9-C34
19	F	4016	BCR	C10-C11-C12-C13
19	F	4016	BCR	C20-C21-C22-C37
19	I	4018	BCR	C37-C22-C23-C24
19	I	4020	BCR	C6-C7-C8-C9
19	I	4020	BCR	C22-C23-C24-C25
19	J	4012	BCR	C6-C7-C8-C9
19	J	4012	BCR	C22-C23-C24-C25
19	J	4013	BCR	C21-C22-C23-C24
19	J	4015	BCR	C6-C7-C8-C9
19	J	4015	BCR	C21-C22-C23-C24
19	J	4015	BCR	C22-C23-C24-C25
19	L	4019	BCR	C21-C22-C23-C24
19	L	4022	BCR	C7-C8-C9-C10
19	L	4022	BCR	C7-C8-C9-C34
19	L	4022	BCR	C21-C22-C23-C24
19	L	4022	BCR	C37-C22-C23-C24
19	M	4021	BCR	C7-C8-C9-C10
19	M	4021	BCR	C7-C8-C9-C34
19	W	601	BCR	C6-C7-C8-C9
19	W	601	BCR	C14-C15-C16-C17
19	W	601	BCR	C15-C16-C17-C18
19	W	601	BCR	C16-C17-C18-C36
19	W	603	BCR	C7-C8-C9-C10

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Mol	Chain	Res	Type	Atoms
19	X	601	BCR	C7-C8-C9-C10
19	X	602	BCR	C19-C20-C21-C22
19	X	602	BCR	C21-C22-C23-C24
19	X	603	BCR	C6-C7-C8-C9
19	X	603	BCR	C7-C8-C9-C34
19	X	603	BCR	C20-C21-C22-C37
19	X	603	BCR	C22-C23-C24-C25
19	X	604	BCR	C6-C7-C8-C9
19	X	604	BCR	C7-C8-C9-C10
19	X	604	BCR	C7-C8-C9-C34
19	X	604	BCR	C10-C11-C12-C13
19	X	604	BCR	C11-C12-C13-C35
19	X	604	BCR	C22-C23-C24-C25
19	Y	601	BCR	C16-C17-C18-C36
19	Y	602	BCR	C19-C20-C21-C22
19	Y	603	BCR	C7-C8-C9-C10
19	Y	604	BCR	C22-C23-C24-C25
19	Z	601	BCR	C7-C8-C9-C10
19	Z	601	BCR	C7-C8-C9-C34
19	Z	603	BCR	C7-C8-C9-C10
19	Z	603	BCR	C22-C23-C24-C25
19	Z	604	BCR	C6-C7-C8-C9
19	Z	604	BCR	C7-C8-C9-C10
19	Z	604	BCR	C20-C21-C22-C37
19	g	601	BCR	C7-C8-C9-C10
19	g	601	BCR	C20-C21-C22-C23
19	g	601	BCR	C20-C21-C22-C37
19	g	601	BCR	C22-C23-C24-C25
19	g	602	BCR	C21-C22-C23-C24
19	g	603	BCR	C7-C8-C9-C10
19	y	601	BCR	C7-C8-C9-C34
19	y	601	BCR	C21-C22-C23-C24
19	y	602	BCR	C7-C8-C9-C10
19	y	602	BCR	C17-C18-C19-C20
19	y	603	BCR	C6-C7-C8-C9
19	y	603	BCR	C7-C8-C9-C34
19	y	603	BCR	C11-C12-C13-C14
19	y	603	BCR	C21-C22-C23-C24
19	y	604	BCR	C6-C7-C8-C9
19	y	604	BCR	C11-C10-C9-C8
19	y	604	BCR	C10-C11-C12-C13
19	y	604	BCR	C22-C23-C24-C25

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Mol	Chain	Res	Type	Atoms
19	a	4001	BCR	C11-C12-C13-C14
19	a	4001	BCR	C18-C19-C20-C21
19	a	4001	BCR	C21-C22-C23-C24
19	a	4002	BCR	C20-C21-C22-C37
19	a	4003	BCR	C10-C11-C12-C13
19	a	4003	BCR	C22-C23-C24-C25
19	a	4007	BCR	C21-C22-C23-C24
19	a	4007	BCR	C22-C23-C24-C25
19	a	4008	BCR	C6-C7-C8-C9
19	a	4008	BCR	C15-C16-C17-C18
19	a	4008	BCR	C37-C22-C23-C24
19	a	4011	BCR	C18-C19-C20-C21
19	a	4011	BCR	C37-C22-C23-C24
19	b	4004	BCR	C7-C8-C9-C10
19	b	4004	BCR	C19-C20-C21-C22
19	b	4005	BCR	C21-C22-C23-C24
19	b	4009	BCR	C37-C22-C23-C24
19	b	4009	BCR	C22-C23-C24-C25
19	b	4010	BCR	C14-C15-C16-C17
19	b	4010	BCR	C22-C23-C24-C25
19	b	4014	BCR	C20-C21-C22-C37
19	b	4014	BCR	C21-C22-C23-C24
19	b	4017	BCR	C21-C22-C23-C24
19	b	4017	BCR	C22-C23-C24-C25
19	i	4018	BCR	C37-C22-C23-C24
19	i	4020	BCR	C6-C7-C8-C9
19	i	4020	BCR	C22-C23-C24-C25
19	k	1501	BCR	C6-C7-C8-C9
19	k	1501	BCR	C7-C8-C9-C34
19	k	1501	BCR	C17-C18-C19-C20
19	k	1501	BCR	C21-C22-C23-C24
19	k	1501	BCR	C37-C22-C23-C24
19	k	1501	BCR	C22-C23-C24-C25
19	l	4019	BCR	C21-C22-C23-C24
19	l	4022	BCR	C7-C8-C9-C10
19	l	4022	BCR	C7-C8-C9-C34
19	l	4022	BCR	C21-C22-C23-C24
19	l	4022	BCR	C37-C22-C23-C24
19	m	4021	BCR	C7-C8-C9-C10
19	m	4021	BCR	C7-C8-C9-C34
19	n	603	BCR	C7-C8-C9-C10
19	n	603	BCR	C7-C8-C9-C34

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Mol	Chain	Res	Type	Atoms
19	o	601	BCR	C7-C8-C9-C10
19	o	602	BCR	C21-C22-C23-C24
19	o	603	BCR	C7-C8-C9-C34
19	o	603	BCR	C22-C23-C24-C25
19	o	604	BCR	C6-C7-C8-C9
19	o	604	BCR	C7-C8-C9-C10
19	o	604	BCR	C10-C11-C12-C13
19	o	604	BCR	C18-C19-C20-C21
19	o	604	BCR	C22-C23-C24-C25
19	p	601	BCR	C7-C8-C9-C34
19	p	602	BCR	C19-C20-C21-C22
19	p	603	BCR	C7-C8-C9-C10
19	p	603	BCR	C9-C10-C11-C12
19	p	604	BCR	C10-C11-C12-C13
19	q	601	BCR	C7-C8-C9-C10
19	q	601	BCR	C7-C8-C9-C34
19	q	603	BCR	C7-C8-C9-C10
19	q	603	BCR	C9-C10-C11-C12
19	q	603	BCR	C22-C23-C24-C25
19	q	604	BCR	C6-C7-C8-C9
19	q	604	BCR	C20-C21-C22-C37
19	r	601	BCR	C7-C8-C9-C10
19	r	601	BCR	C7-C8-C9-C34
19	r	601	BCR	C16-C17-C18-C36
19	r	601	BCR	C20-C21-C22-C23
19	r	601	BCR	C20-C21-C22-C37
19	r	601	BCR	C22-C23-C24-C25
19	r	602	BCR	C7-C8-C9-C10
19	r	602	BCR	C7-C8-C9-C34
19	r	602	BCR	C18-C19-C20-C21
19	r	602	BCR	C22-C23-C24-C25
19	r	603	BCR	C7-C8-C9-C10
19	r	603	BCR	C9-C10-C11-C12
19	h	601	BCR	C7-C8-C9-C34
19	h	601	BCR	C21-C22-C23-C24
19	h	602	BCR	C20-C21-C22-C37
19	h	603	BCR	C6-C7-C8-C9
19	h	603	BCR	C7-C8-C9-C34
19	h	604	BCR	C6-C7-C8-C9
19	h	604	BCR	C22-C23-C24-C25
19	H	4001	BCR	C11-C12-C13-C14
19	H	4001	BCR	C18-C19-C20-C21

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Mol	Chain	Res	Type	Atoms
19	H	4001	BCR	C21-C22-C23-C24
19	H	4002	BCR	C20-C21-C22-C37
19	H	4003	BCR	C10-C11-C12-C13
19	H	4003	BCR	C22-C23-C24-C25
19	H	4007	BCR	C21-C22-C23-C24
19	H	4007	BCR	C22-C23-C24-C25
19	H	4008	BCR	C6-C7-C8-C9
19	H	4008	BCR	C15-C16-C17-C18
19	H	4008	BCR	C37-C22-C23-C24
19	H	4011	BCR	C18-C19-C20-C21
19	H	4011	BCR	C37-C22-C23-C24
19	G	4004	BCR	C7-C8-C9-C10
19	G	4004	BCR	C19-C20-C21-C22
19	G	4005	BCR	C21-C22-C23-C24
19	G	4009	BCR	C37-C22-C23-C24
19	G	4009	BCR	C22-C23-C24-C25
19	G	4010	BCR	C14-C15-C16-C17
19	G	4010	BCR	C22-C23-C24-C25
19	G	4014	BCR	C20-C21-C22-C37
19	G	4014	BCR	C21-C22-C23-C24
19	G	4017	BCR	C21-C22-C23-C24
19	G	4017	BCR	C22-C23-C24-C25
19	R	4018	BCR	C37-C22-C23-C24
19	R	4020	BCR	C6-C7-C8-C9
19	R	4020	BCR	C22-C23-C24-C25
19	U	4019	BCR	C21-C22-C23-C24
19	U	4022	BCR	C7-C8-C9-C10
19	U	4022	BCR	C7-C8-C9-C34
19	U	4022	BCR	C21-C22-C23-C24
19	U	4022	BCR	C37-C22-C23-C24
19	V	4021	BCR	C7-C8-C9-C10
19	V	4021	BCR	C7-C8-C9-C34
19	t	601	BCR	C6-C7-C8-C9
19	t	601	BCR	C16-C17-C18-C36
19	t	603	BCR	C7-C8-C9-C10
19	u	601	BCR	C7-C8-C9-C10
19	u	602	BCR	C19-C20-C21-C22
19	u	602	BCR	C21-C22-C23-C24
19	u	603	BCR	C6-C7-C8-C9
19	u	603	BCR	C7-C8-C9-C34
19	u	603	BCR	C22-C23-C24-C25
19	u	604	BCR	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
19	u	604	BCR	C7-C8-C9-C10
19	u	604	BCR	C7-C8-C9-C34
19	u	604	BCR	C10-C11-C12-C13
19	u	604	BCR	C22-C23-C24-C25
19	s	601	BCR	C16-C17-C18-C36
19	s	602	BCR	C19-C20-C21-C22
19	s	602	BCR	C20-C21-C22-C37
19	s	603	BCR	C7-C8-C9-C10
19	s	604	BCR	C22-C23-C24-C25
19	w	601	BCR	C7-C8-C9-C10
19	w	601	BCR	C7-C8-C9-C34
19	w	603	BCR	C7-C8-C9-C10
19	w	603	BCR	C22-C23-C24-C25
19	w	604	BCR	C6-C7-C8-C9
19	w	604	BCR	C7-C8-C9-C10
19	w	604	BCR	C15-C16-C17-C18
19	x	601	BCR	C7-C8-C9-C10
19	x	601	BCR	C7-C8-C9-C34
19	x	601	BCR	C16-C17-C18-C36
19	x	601	BCR	C20-C21-C22-C23
19	x	601	BCR	C20-C21-C22-C37
19	x	601	BCR	C22-C23-C24-C25
19	x	602	BCR	C12-C13-C14-C15
19	x	602	BCR	C19-C20-C21-C22
19	x	602	BCR	C21-C22-C23-C24
19	x	602	BCR	C22-C23-C24-C25
19	x	603	BCR	C6-C7-C8-C9
19	x	603	BCR	C9-C10-C11-C12
19	x	604	BCR	C22-C23-C24-C25
19	v	601	BCR	C7-C8-C9-C34
19	v	601	BCR	C21-C22-C23-C24
19	v	602	BCR	C20-C21-C22-C37
19	v	603	BCR	C6-C7-C8-C9
19	v	603	BCR	C7-C8-C9-C10
19	v	603	BCR	C7-C8-C9-C34
19	v	604	BCR	C6-C7-C8-C9
19	v	604	BCR	C11-C12-C13-C14
19	v	604	BCR	C22-C23-C24-C25
19	f	4016	BCR	C6-C7-C8-C9
19	f	4016	BCR	C7-C8-C9-C10
19	f	4016	BCR	C7-C8-C9-C34
19	f	4016	BCR	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
19	f	4016	BCR	C20-C21-C22-C37
19	Q	4016	BCR	C6-C7-C8-C9
19	Q	4016	BCR	C7-C8-C9-C10
19	Q	4016	BCR	C7-C8-C9-C34
19	Q	4016	BCR	C10-C11-C12-C13
19	Q	4016	BCR	C20-C21-C22-C37
19	j	4012	BCR	C6-C7-C8-C9
19	j	4012	BCR	C22-C23-C24-C25
19	j	4013	BCR	C21-C22-C23-C24
19	j	4015	BCR	C6-C7-C8-C9
19	j	4015	BCR	C21-C22-C23-C24
19	j	4015	BCR	C22-C23-C24-C25
19	S	4012	BCR	C6-C7-C8-C9
19	S	4012	BCR	C22-C23-C24-C25
19	S	4013	BCR	C21-C22-C23-C24
19	S	4015	BCR	C6-C7-C8-C9
19	S	4015	BCR	C21-C22-C23-C24
19	S	4015	BCR	C22-C23-C24-C25
19	K	1501	BCR	C6-C7-C8-C9
19	K	1501	BCR	C7-C8-C9-C34
19	K	1501	BCR	C17-C18-C19-C20
19	K	1501	BCR	C21-C22-C23-C24
19	K	1501	BCR	C37-C22-C23-C24
19	K	1501	BCR	C22-C23-C24-C25
19	T	1501	BCR	C6-C7-C8-C9
19	T	1501	BCR	C7-C8-C9-C34
19	T	1501	BCR	C17-C18-C19-C20
19	T	1501	BCR	C21-C22-C23-C24
19	T	1501	BCR	C37-C22-C23-C24
19	T	1501	BCR	C22-C23-C24-C25
20	L	4101	LMT	O5B-C1B-O1B-C4'
20	l	4101	LMT	O5B-C1B-O1B-C4'
20	U	4101	LMT	O5B-C1B-O1B-C4'
16	A	1104	CLA	O1D-CGD-O2D-CED
16	A	1108	CLA	O1D-CGD-O2D-CED
16	A	1109	CLA	O1D-CGD-O2D-CED
16	B	1021	CLA	O1D-CGD-O2D-CED
16	B	1212	CLA	O1D-CGD-O2D-CED
16	W	503	CLA	O1D-CGD-O2D-CED
16	W	511	CLA	O1D-CGD-O2D-CED
16	Z	503	CLA	O1D-CGD-O2D-CED
16	Z	511	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
16	g	507	CLA	O1D-CGD-O2D-CED
16	g	514	CLA	O1D-CGD-O2D-CED
16	y	503	CLA	O1D-CGD-O2D-CED
16	y	504	CLA	O1D-CGD-O2D-CED
16	y	506	CLA	O1D-CGD-O2D-CED
16	y	511	CLA	O1D-CGD-O2D-CED
16	a	1104	CLA	O1D-CGD-O2D-CED
16	a	1108	CLA	O1D-CGD-O2D-CED
16	a	1109	CLA	O1D-CGD-O2D-CED
16	b	1021	CLA	O1D-CGD-O2D-CED
16	b	1212	CLA	O1D-CGD-O2D-CED
16	n	503	CLA	O1D-CGD-O2D-CED
16	n	506	CLA	O1D-CGD-O2D-CED
16	n	509	CLA	O1D-CGD-O2D-CED
16	n	511	CLA	O1D-CGD-O2D-CED
16	o	513	CLA	O1D-CGD-O2D-CED
16	q	503	CLA	O1D-CGD-O2D-CED
16	r	506	CLA	O1D-CGD-O2D-CED
16	r	507	CLA	O1D-CGD-O2D-CED
16	r	508	CLA	O1D-CGD-O2D-CED
16	r	514	CLA	O1D-CGD-O2D-CED
16	h	503	CLA	O1D-CGD-O2D-CED
16	h	506	CLA	O1D-CGD-O2D-CED
16	h	511	CLA	O1D-CGD-O2D-CED
16	H	1104	CLA	O1D-CGD-O2D-CED
16	H	1108	CLA	O1D-CGD-O2D-CED
16	H	1109	CLA	O1D-CGD-O2D-CED
16	G	1021	CLA	O1D-CGD-O2D-CED
16	G	1212	CLA	O1D-CGD-O2D-CED
16	t	503	CLA	O1D-CGD-O2D-CED
16	t	506	CLA	O1D-CGD-O2D-CED
16	t	507	CLA	O1D-CGD-O2D-CED
16	t	509	CLA	O1D-CGD-O2D-CED
16	t	511	CLA	O1D-CGD-O2D-CED
16	u	509	CLA	O1D-CGD-O2D-CED
16	w	503	CLA	O1D-CGD-O2D-CED
16	x	506	CLA	O1D-CGD-O2D-CED
16	x	507	CLA	O1D-CGD-O2D-CED
16	x	508	CLA	O1D-CGD-O2D-CED
16	x	514	CLA	O1D-CGD-O2D-CED
16	v	503	CLA	O1D-CGD-O2D-CED
16	v	506	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
16	v	511	CLA	O1D-CGD-O2D-CED
16	A	1013	CLA	O1D-CGD-O2D-CED
16	B	1023	CLA	O1D-CGD-O2D-CED
16	B	1206	CLA	O1D-CGD-O2D-CED
16	B	1220	CLA	O1D-CGD-O2D-CED
16	B	1235	CLA	O1D-CGD-O2D-CED
16	W	506	CLA	O1D-CGD-O2D-CED
16	W	507	CLA	O1D-CGD-O2D-CED
16	W	508	CLA	O1D-CGD-O2D-CED
16	X	505	CLA	O1D-CGD-O2D-CED
16	X	507	CLA	O1D-CGD-O2D-CED
16	X	513	CLA	O1D-CGD-O2D-CED
16	Y	503	CLA	O1D-CGD-O2D-CED
16	g	506	CLA	O1D-CGD-O2D-CED
16	y	507	CLA	O1D-CGD-O2D-CED
16	a	1013	CLA	O1D-CGD-O2D-CED
16	b	1023	CLA	O1D-CGD-O2D-CED
16	b	1206	CLA	O1D-CGD-O2D-CED
16	b	1220	CLA	O1D-CGD-O2D-CED
16	b	1235	CLA	O1D-CGD-O2D-CED
16	n	507	CLA	O1D-CGD-O2D-CED
16	n	508	CLA	O1D-CGD-O2D-CED
16	o	507	CLA	O1D-CGD-O2D-CED
16	o	511	CLA	O1D-CGD-O2D-CED
16	q	511	CLA	O1D-CGD-O2D-CED
16	h	504	CLA	O1D-CGD-O2D-CED
16	H	1013	CLA	O1D-CGD-O2D-CED
16	G	1023	CLA	O1D-CGD-O2D-CED
16	G	1206	CLA	O1D-CGD-O2D-CED
16	G	1220	CLA	O1D-CGD-O2D-CED
16	G	1235	CLA	O1D-CGD-O2D-CED
16	t	508	CLA	O1D-CGD-O2D-CED
16	u	507	CLA	O1D-CGD-O2D-CED
16	s	503	CLA	O1D-CGD-O2D-CED
16	w	511	CLA	O1D-CGD-O2D-CED
16	A	1105	CLA	CBD-CGD-O2D-CED
16	A	1127	CLA	CBD-CGD-O2D-CED
16	A	1131	CLA	CBD-CGD-O2D-CED
16	A	1139	CLA	CBD-CGD-O2D-CED
16	B	1203	CLA	CBD-CGD-O2D-CED
16	B	1206	CLA	CBD-CGD-O2D-CED
16	B	1213	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
16	B	1215	CLA	CBD-CGD-O2D-CED
16	B	1216	CLA	CBD-CGD-O2D-CED
16	B	1219	CLA	CBD-CGD-O2D-CED
16	B	1224	CLA	CBD-CGD-O2D-CED
16	B	1234	CLA	CBD-CGD-O2D-CED
16	B	1239	CLA	CBD-CGD-O2D-CED
16	W	503	CLA	CBD-CGD-O2D-CED
16	W	506	CLA	CBD-CGD-O2D-CED
16	W	507	CLA	CBD-CGD-O2D-CED
16	W	513	CLA	CBD-CGD-O2D-CED
16	W	514	CLA	CBD-CGD-O2D-CED
16	W	517	CLA	CBD-CGD-O2D-CED
16	X	503	CLA	CBD-CGD-O2D-CED
16	X	505	CLA	CBD-CGD-O2D-CED
16	X	506	CLA	CBD-CGD-O2D-CED
16	X	507	CLA	CBD-CGD-O2D-CED
16	X	508	CLA	CBD-CGD-O2D-CED
16	X	510	CLA	CBD-CGD-O2D-CED
16	Y	503	CLA	CBD-CGD-O2D-CED
16	Y	507	CLA	CBD-CGD-O2D-CED
16	Y	516	CLA	CBD-CGD-O2D-CED
16	Z	511	CLA	CBD-CGD-O2D-CED
16	Z	517	CLA	CBD-CGD-O2D-CED
16	g	505	CLA	CBD-CGD-O2D-CED
16	g	506	CLA	CBD-CGD-O2D-CED
16	g	507	CLA	CBD-CGD-O2D-CED
16	g	508	CLA	CBD-CGD-O2D-CED
16	g	512	CLA	CBD-CGD-O2D-CED
16	g	514	CLA	CBD-CGD-O2D-CED
16	g	516	CLA	CBD-CGD-O2D-CED
16	y	506	CLA	CBD-CGD-O2D-CED
16	y	507	CLA	CBD-CGD-O2D-CED
16	y	511	CLA	CBD-CGD-O2D-CED
16	y	512	CLA	CBD-CGD-O2D-CED
16	a	1105	CLA	CBD-CGD-O2D-CED
16	a	1127	CLA	CBD-CGD-O2D-CED
16	a	1131	CLA	CBD-CGD-O2D-CED
16	a	1139	CLA	CBD-CGD-O2D-CED
16	b	1203	CLA	CBD-CGD-O2D-CED
16	b	1206	CLA	CBD-CGD-O2D-CED
16	b	1213	CLA	CBD-CGD-O2D-CED
16	b	1215	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
16	b	1216	CLA	CBD-CGD-O2D-CED
16	b	1219	CLA	CBD-CGD-O2D-CED
16	b	1224	CLA	CBD-CGD-O2D-CED
16	b	1234	CLA	CBD-CGD-O2D-CED
16	b	1239	CLA	CBD-CGD-O2D-CED
16	n	503	CLA	CBD-CGD-O2D-CED
16	n	506	CLA	CBD-CGD-O2D-CED
16	n	507	CLA	CBD-CGD-O2D-CED
16	n	512	CLA	CBD-CGD-O2D-CED
16	n	513	CLA	CBD-CGD-O2D-CED
16	n	514	CLA	CBD-CGD-O2D-CED
16	n	517	CLA	CBD-CGD-O2D-CED
16	o	503	CLA	CBD-CGD-O2D-CED
16	o	506	CLA	CBD-CGD-O2D-CED
16	o	507	CLA	CBD-CGD-O2D-CED
16	o	508	CLA	CBD-CGD-O2D-CED
16	o	510	CLA	CBD-CGD-O2D-CED
16	o	517	CLA	CBD-CGD-O2D-CED
16	p	503	CLA	CBD-CGD-O2D-CED
16	q	511	CLA	CBD-CGD-O2D-CED
16	q	517	CLA	CBD-CGD-O2D-CED
16	r	505	CLA	CBD-CGD-O2D-CED
16	r	506	CLA	CBD-CGD-O2D-CED
16	r	507	CLA	CBD-CGD-O2D-CED
16	r	508	CLA	CBD-CGD-O2D-CED
16	r	512	CLA	CBD-CGD-O2D-CED
16	r	514	CLA	CBD-CGD-O2D-CED
16	r	517	CLA	CBD-CGD-O2D-CED
16	h	504	CLA	CBD-CGD-O2D-CED
16	h	507	CLA	CBD-CGD-O2D-CED
16	h	511	CLA	CBD-CGD-O2D-CED
16	h	512	CLA	CBD-CGD-O2D-CED
16	H	1105	CLA	CBD-CGD-O2D-CED
16	H	1127	CLA	CBD-CGD-O2D-CED
16	H	1131	CLA	CBD-CGD-O2D-CED
16	H	1134	CLA	CBD-CGD-O2D-CED
16	H	1139	CLA	CBD-CGD-O2D-CED
16	G	1203	CLA	CBD-CGD-O2D-CED
16	G	1206	CLA	CBD-CGD-O2D-CED
16	G	1213	CLA	CBD-CGD-O2D-CED
16	G	1215	CLA	CBD-CGD-O2D-CED
16	G	1216	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
16	G	1219	CLA	CBD-CGD-O2D-CED
16	G	1224	CLA	CBD-CGD-O2D-CED
16	G	1234	CLA	CBD-CGD-O2D-CED
16	G	1239	CLA	CBD-CGD-O2D-CED
16	t	503	CLA	CBD-CGD-O2D-CED
16	t	506	CLA	CBD-CGD-O2D-CED
16	t	507	CLA	CBD-CGD-O2D-CED
16	t	512	CLA	CBD-CGD-O2D-CED
16	t	513	CLA	CBD-CGD-O2D-CED
16	t	516	CLA	CBD-CGD-O2D-CED
16	t	517	CLA	CBD-CGD-O2D-CED
16	u	503	CLA	CBD-CGD-O2D-CED
16	u	506	CLA	CBD-CGD-O2D-CED
16	u	507	CLA	CBD-CGD-O2D-CED
16	u	508	CLA	CBD-CGD-O2D-CED
16	u	513	CLA	CBD-CGD-O2D-CED
16	u	517	CLA	CBD-CGD-O2D-CED
16	s	503	CLA	CBD-CGD-O2D-CED
16	s	512	CLA	CBD-CGD-O2D-CED
16	w	501	CLA	CBD-CGD-O2D-CED
16	w	511	CLA	CBD-CGD-O2D-CED
16	w	517	CLA	CBD-CGD-O2D-CED
16	x	503	CLA	CBD-CGD-O2D-CED
16	x	506	CLA	CBD-CGD-O2D-CED
16	x	507	CLA	CBD-CGD-O2D-CED
16	x	508	CLA	CBD-CGD-O2D-CED
16	x	514	CLA	CBD-CGD-O2D-CED
16	x	517	CLA	CBD-CGD-O2D-CED
16	v	504	CLA	CBD-CGD-O2D-CED
16	v	511	CLA	CBD-CGD-O2D-CED
16	A	1121	CLA	O1A-CGA-O2A-C1
16	A	1130	CLA	O1A-CGA-O2A-C1
16	W	517	CLA	O1A-CGA-O2A-C1
16	Y	515	CLA	O1A-CGA-O2A-C1
16	y	513	CLA	O1A-CGA-O2A-C1
16	y	515	CLA	O1A-CGA-O2A-C1
16	a	1121	CLA	O1A-CGA-O2A-C1
16	a	1130	CLA	O1A-CGA-O2A-C1
16	n	501	CLA	O1A-CGA-O2A-C1
16	q	501	CLA	O1A-CGA-O2A-C1
16	h	513	CLA	O1A-CGA-O2A-C1
16	h	515	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
16	H	1121	CLA	O1A-CGA-O2A-C1
16	H	1130	CLA	O1A-CGA-O2A-C1
16	t	501	CLA	O1A-CGA-O2A-C1
16	t	517	CLA	O1A-CGA-O2A-C1
16	u	511	CLA	O1A-CGA-O2A-C1
16	w	501	CLA	O1A-CGA-O2A-C1
16	x	511	CLA	O1A-CGA-O2A-C1
16	v	511	CLA	O1A-CGA-O2A-C1
16	v	515	CLA	O1A-CGA-O2A-C1
16	X	511	CLA	O1D-CGD-O2D-CED
16	u	511	CLA	O1D-CGD-O2D-CED
16	X	503	CLA	CBA-CGA-O2A-C1
16	n	516	CLA	CBA-CGA-O2A-C1
16	B	1216	CLA	O1D-CGD-O2D-CED
16	B	1219	CLA	O1D-CGD-O2D-CED
16	W	513	CLA	O1D-CGD-O2D-CED
16	g	508	CLA	O1D-CGD-O2D-CED
16	b	1216	CLA	O1D-CGD-O2D-CED
16	b	1219	CLA	O1D-CGD-O2D-CED
16	n	513	CLA	O1D-CGD-O2D-CED
16	p	503	CLA	O1D-CGD-O2D-CED
16	G	1216	CLA	O1D-CGD-O2D-CED
16	G	1219	CLA	O1D-CGD-O2D-CED
16	t	516	CLA	O1D-CGD-O2D-CED
16	u	517	CLA	O1D-CGD-O2D-CED
16	v	504	CLA	O1D-CGD-O2D-CED
16	W	513	CLA	CBA-CGA-O2A-C1
16	W	517	CLA	CBA-CGA-O2A-C1
16	X	501	CLA	CBA-CGA-O2A-C1
16	Y	515	CLA	CBA-CGA-O2A-C1
16	Z	501	CLA	CBA-CGA-O2A-C1
16	y	515	CLA	CBA-CGA-O2A-C1
16	o	501	CLA	CBA-CGA-O2A-C1
16	r	511	CLA	CBA-CGA-O2A-C1
16	h	515	CLA	CBA-CGA-O2A-C1
16	t	501	CLA	CBA-CGA-O2A-C1
16	t	517	CLA	CBA-CGA-O2A-C1
16	u	501	CLA	CBA-CGA-O2A-C1
16	w	501	CLA	CBA-CGA-O2A-C1
16	v	511	CLA	CBA-CGA-O2A-C1
16	A	1134	CLA	CBD-CGD-O2D-CED
16	B	1208	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
16	Z	510	CLA	CBD-CGD-O2D-CED
16	a	1134	CLA	CBD-CGD-O2D-CED
16	b	1208	CLA	CBD-CGD-O2D-CED
16	o	505	CLA	CBD-CGD-O2D-CED
16	r	504	CLA	CBD-CGD-O2D-CED
16	G	1208	CLA	CBD-CGD-O2D-CED
16	t	514	CLA	CBD-CGD-O2D-CED
16	u	510	CLA	CBD-CGD-O2D-CED
14	A	4101	LMG	O10-C28-O8-C9
14	a	4101	LMG	O10-C28-O8-C9
14	H	4101	LMG	O10-C28-O8-C9
16	A	1103	CLA	O1A-CGA-O2A-C1
16	A	1110	CLA	O1A-CGA-O2A-C1
16	A	1114	CLA	O1A-CGA-O2A-C1
16	A	1115	CLA	O1A-CGA-O2A-C1
16	A	1133	CLA	O1A-CGA-O2A-C1
16	A	1135	CLA	O1A-CGA-O2A-C1
16	A	1140	CLA	O1A-CGA-O2A-C1
16	B	1210	CLA	O1A-CGA-O2A-C1
16	B	1227	CLA	O1A-CGA-O2A-C1
16	B	1236	CLA	O1A-CGA-O2A-C1
16	L	1502	CLA	O1A-CGA-O2A-C1
16	W	501	CLA	O1A-CGA-O2A-C1
16	W	508	CLA	O1A-CGA-O2A-C1
16	W	513	CLA	O1A-CGA-O2A-C1
16	W	515	CLA	O1A-CGA-O2A-C1
16	X	501	CLA	O1A-CGA-O2A-C1
16	X	508	CLA	O1A-CGA-O2A-C1
16	X	511	CLA	O1A-CGA-O2A-C1
16	X	513	CLA	O1A-CGA-O2A-C1
16	X	515	CLA	O1A-CGA-O2A-C1
16	Y	501	CLA	O1A-CGA-O2A-C1
16	Y	508	CLA	O1A-CGA-O2A-C1
16	Y	513	CLA	O1A-CGA-O2A-C1
16	Z	501	CLA	O1A-CGA-O2A-C1
16	Z	502	CLA	O1A-CGA-O2A-C1
16	Z	508	CLA	O1A-CGA-O2A-C1
16	Z	513	CLA	O1A-CGA-O2A-C1
16	Z	515	CLA	O1A-CGA-O2A-C1
16	g	501	CLA	O1A-CGA-O2A-C1
16	g	508	CLA	O1A-CGA-O2A-C1
16	y	505	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
16	y	511	CLA	O1A-CGA-O2A-C1
16	a	1103	CLA	O1A-CGA-O2A-C1
16	a	1110	CLA	O1A-CGA-O2A-C1
16	a	1114	CLA	O1A-CGA-O2A-C1
16	a	1115	CLA	O1A-CGA-O2A-C1
16	a	1133	CLA	O1A-CGA-O2A-C1
16	a	1135	CLA	O1A-CGA-O2A-C1
16	a	1140	CLA	O1A-CGA-O2A-C1
16	b	1210	CLA	O1A-CGA-O2A-C1
16	b	1227	CLA	O1A-CGA-O2A-C1
16	b	1236	CLA	O1A-CGA-O2A-C1
16	l	1502	CLA	O1A-CGA-O2A-C1
16	n	508	CLA	O1A-CGA-O2A-C1
16	n	513	CLA	O1A-CGA-O2A-C1
16	n	515	CLA	O1A-CGA-O2A-C1
16	n	517	CLA	O1A-CGA-O2A-C1
16	o	501	CLA	O1A-CGA-O2A-C1
16	o	508	CLA	O1A-CGA-O2A-C1
16	o	511	CLA	O1A-CGA-O2A-C1
16	p	501	CLA	O1A-CGA-O2A-C1
16	p	508	CLA	O1A-CGA-O2A-C1
16	p	513	CLA	O1A-CGA-O2A-C1
16	p	515	CLA	O1A-CGA-O2A-C1
16	q	502	CLA	O1A-CGA-O2A-C1
16	q	508	CLA	O1A-CGA-O2A-C1
16	r	501	CLA	O1A-CGA-O2A-C1
16	r	508	CLA	O1A-CGA-O2A-C1
16	h	505	CLA	O1A-CGA-O2A-C1
16	h	508	CLA	O1A-CGA-O2A-C1
16	h	511	CLA	O1A-CGA-O2A-C1
16	H	1103	CLA	O1A-CGA-O2A-C1
16	H	1110	CLA	O1A-CGA-O2A-C1
16	H	1114	CLA	O1A-CGA-O2A-C1
16	H	1115	CLA	O1A-CGA-O2A-C1
16	H	1133	CLA	O1A-CGA-O2A-C1
16	H	1135	CLA	O1A-CGA-O2A-C1
16	H	1140	CLA	O1A-CGA-O2A-C1
16	G	1210	CLA	O1A-CGA-O2A-C1
16	G	1227	CLA	O1A-CGA-O2A-C1
16	G	1236	CLA	O1A-CGA-O2A-C1
16	U	1502	CLA	O1A-CGA-O2A-C1
16	t	508	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
16	t	513	CLA	O1A-CGA-O2A-C1
16	t	515	CLA	O1A-CGA-O2A-C1
16	u	501	CLA	O1A-CGA-O2A-C1
16	u	508	CLA	O1A-CGA-O2A-C1
16	s	501	CLA	O1A-CGA-O2A-C1
16	s	508	CLA	O1A-CGA-O2A-C1
16	s	513	CLA	O1A-CGA-O2A-C1
16	s	515	CLA	O1A-CGA-O2A-C1
16	w	502	CLA	O1A-CGA-O2A-C1
16	w	508	CLA	O1A-CGA-O2A-C1
16	x	501	CLA	O1A-CGA-O2A-C1
16	x	508	CLA	O1A-CGA-O2A-C1
16	x	517	CLA	O1A-CGA-O2A-C1
16	v	505	CLA	O1A-CGA-O2A-C1
16	v	508	CLA	O1A-CGA-O2A-C1
16	v	513	CLA	O1A-CGA-O2A-C1
16	W	503	CLA	O1A-CGA-O2A-C1
16	Z	516	CLA	O1A-CGA-O2A-C1
16	n	503	CLA	O1A-CGA-O2A-C1
16	t	503	CLA	O1A-CGA-O2A-C1
16	A	1121	CLA	O1D-CGD-O2D-CED
16	J	1302	CLA	O1D-CGD-O2D-CED
16	W	509	CLA	O1D-CGD-O2D-CED
16	Y	507	CLA	O1D-CGD-O2D-CED
16	Z	507	CLA	O1D-CGD-O2D-CED
16	y	501	CLA	O1D-CGD-O2D-CED
16	y	505	CLA	O1D-CGD-O2D-CED
16	a	1121	CLA	O1D-CGD-O2D-CED
16	o	506	CLA	O1D-CGD-O2D-CED
16	o	517	CLA	O1D-CGD-O2D-CED
16	p	511	CLA	O1D-CGD-O2D-CED
16	p	516	CLA	O1D-CGD-O2D-CED
16	q	507	CLA	O1D-CGD-O2D-CED
16	q	514	CLA	O1D-CGD-O2D-CED
16	r	513	CLA	O1D-CGD-O2D-CED
16	h	507	CLA	O1D-CGD-O2D-CED
16	H	1121	CLA	O1D-CGD-O2D-CED
16	t	513	CLA	O1D-CGD-O2D-CED
16	u	506	CLA	O1D-CGD-O2D-CED
16	u	513	CLA	O1D-CGD-O2D-CED
16	s	507	CLA	O1D-CGD-O2D-CED
16	w	507	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
16	x	505	CLA	O1D-CGD-O2D-CED
16	x	513	CLA	O1D-CGD-O2D-CED
16	v	507	CLA	O1D-CGD-O2D-CED
16	j	1302	CLA	O1D-CGD-O2D-CED
16	S	1302	CLA	O1D-CGD-O2D-CED
16	A	1022	CLA	O1D-CGD-O2D-CED
16	B	1225	CLA	O1D-CGD-O2D-CED
16	B	1231	CLA	O1D-CGD-O2D-CED
16	B	1240	CLA	O1D-CGD-O2D-CED
16	W	512	CLA	O1D-CGD-O2D-CED
16	X	517	CLA	O1D-CGD-O2D-CED
16	Z	501	CLA	O1D-CGD-O2D-CED
16	Z	514	CLA	O1D-CGD-O2D-CED
16	g	511	CLA	O1D-CGD-O2D-CED
16	g	513	CLA	O1D-CGD-O2D-CED
16	a	1022	CLA	O1D-CGD-O2D-CED
16	b	1225	CLA	O1D-CGD-O2D-CED
16	b	1231	CLA	O1D-CGD-O2D-CED
16	b	1240	CLA	O1D-CGD-O2D-CED
16	r	510	CLA	O1D-CGD-O2D-CED
16	r	511	CLA	O1D-CGD-O2D-CED
16	H	1022	CLA	O1D-CGD-O2D-CED
16	G	1225	CLA	O1D-CGD-O2D-CED
16	G	1231	CLA	O1D-CGD-O2D-CED
16	G	1240	CLA	O1D-CGD-O2D-CED
16	w	514	CLA	O1D-CGD-O2D-CED
16	x	511	CLA	O1D-CGD-O2D-CED
16	A	1135	CLA	CBD-CGD-O2D-CED
16	Z	508	CLA	CBD-CGD-O2D-CED
16	a	1135	CLA	CBD-CGD-O2D-CED
16	p	512	CLA	CBD-CGD-O2D-CED
16	q	505	CLA	CBD-CGD-O2D-CED
16	H	1135	CLA	CBD-CGD-O2D-CED
16	A	1106	CLA	O1A-CGA-O2A-C1
16	y	508	CLA	O1A-CGA-O2A-C1
16	a	1106	CLA	O1A-CGA-O2A-C1
16	o	513	CLA	O1A-CGA-O2A-C1
16	H	1106	CLA	O1A-CGA-O2A-C1
16	Y	503	CLA	O1A-CGA-O2A-C1
16	s	503	CLA	O1A-CGA-O2A-C1
16	A	1109	CLA	C3-C5-C6-C7
16	A	1111	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
16	A	1115	CLA	C3-C5-C6-C7
16	A	1130	CLA	C3-C5-C6-C7
16	A	1237	CLA	C3-C5-C6-C7
16	B	1202	CLA	C3-C5-C6-C7
16	B	1205	CLA	C3-C5-C6-C7
16	B	1206	CLA	C3-C5-C6-C7
16	B	1224	CLA	C3-C5-C6-C7
16	B	1238	CLA	C3-C5-C6-C7
16	L	1503	CLA	C3-C5-C6-C7
16	W	505	CLA	C3-C5-C6-C7
16	W	508	CLA	C3-C5-C6-C7
16	W	511	CLA	C3-C5-C6-C7
16	Y	507	CLA	C3-C5-C6-C7
16	Y	509	CLA	C3-C5-C6-C7
16	Y	517	CLA	C3-C5-C6-C7
16	Z	507	CLA	C3-C5-C6-C7
16	g	510	CLA	C3-C5-C6-C7
16	y	505	CLA	C3-C5-C6-C7
16	y	508	CLA	C3-C5-C6-C7
16	a	1109	CLA	C3-C5-C6-C7
16	a	1111	CLA	C3-C5-C6-C7
16	a	1115	CLA	C3-C5-C6-C7
16	a	1130	CLA	C3-C5-C6-C7
16	a	1237	CLA	C3-C5-C6-C7
16	b	1202	CLA	C3-C5-C6-C7
16	b	1205	CLA	C3-C5-C6-C7
16	b	1206	CLA	C3-C5-C6-C7
16	b	1224	CLA	C3-C5-C6-C7
16	b	1238	CLA	C3-C5-C6-C7
16	l	1503	CLA	C3-C5-C6-C7
16	n	508	CLA	C3-C5-C6-C7
16	n	511	CLA	C3-C5-C6-C7
16	p	509	CLA	C3-C5-C6-C7
16	p	517	CLA	C3-C5-C6-C7
16	q	507	CLA	C3-C5-C6-C7
16	r	510	CLA	C3-C5-C6-C7
16	h	505	CLA	C3-C5-C6-C7
16	H	1109	CLA	C3-C5-C6-C7
16	H	1111	CLA	C3-C5-C6-C7
16	H	1115	CLA	C3-C5-C6-C7
16	H	1130	CLA	C3-C5-C6-C7
16	H	1237	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
16	G	1202	CLA	C3-C5-C6-C7
16	G	1205	CLA	C3-C5-C6-C7
16	G	1206	CLA	C3-C5-C6-C7
16	G	1224	CLA	C3-C5-C6-C7
16	G	1238	CLA	C3-C5-C6-C7
16	U	1503	CLA	C3-C5-C6-C7
16	t	505	CLA	C3-C5-C6-C7
16	t	511	CLA	C3-C5-C6-C7
16	s	517	CLA	C3-C5-C6-C7
16	w	509	CLA	C3-C5-C6-C7
16	x	510	CLA	C3-C5-C6-C7
16	v	505	CLA	C3-C5-C6-C7
16	A	1112	CLA	O1D-CGD-O2D-CED
16	g	517	CLA	O1D-CGD-O2D-CED
16	a	1112	CLA	O1D-CGD-O2D-CED
16	p	507	CLA	O1D-CGD-O2D-CED
16	H	1112	CLA	O1D-CGD-O2D-CED
16	H	1801	CLA	O1D-CGD-O2D-CED
14	A	4101	LMG	C29-C28-O8-C9
14	a	4101	LMG	C29-C28-O8-C9
14	H	4101	LMG	C29-C28-O8-C9
16	A	1103	CLA	CBA-CGA-O2A-C1
16	A	1110	CLA	CBA-CGA-O2A-C1
16	A	1114	CLA	CBA-CGA-O2A-C1
16	A	1121	CLA	CBA-CGA-O2A-C1
16	A	1130	CLA	CBA-CGA-O2A-C1
16	A	1133	CLA	CBA-CGA-O2A-C1
16	A	1140	CLA	CBA-CGA-O2A-C1
16	B	1202	CLA	CBA-CGA-O2A-C1
16	B	1210	CLA	CBA-CGA-O2A-C1
16	B	1227	CLA	CBA-CGA-O2A-C1
16	B	1234	CLA	CBA-CGA-O2A-C1
16	B	1236	CLA	CBA-CGA-O2A-C1
16	W	501	CLA	CBA-CGA-O2A-C1
16	W	508	CLA	CBA-CGA-O2A-C1
16	W	515	CLA	CBA-CGA-O2A-C1
16	X	508	CLA	CBA-CGA-O2A-C1
16	X	515	CLA	CBA-CGA-O2A-C1
16	Y	501	CLA	CBA-CGA-O2A-C1
16	Y	508	CLA	CBA-CGA-O2A-C1
16	Y	511	CLA	CBA-CGA-O2A-C1
16	Y	513	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
16	Z	502	CLA	CBA-CGA-O2A-C1
16	Z	508	CLA	CBA-CGA-O2A-C1
16	Z	513	CLA	CBA-CGA-O2A-C1
16	g	501	CLA	CBA-CGA-O2A-C1
16	g	508	CLA	CBA-CGA-O2A-C1
16	y	513	CLA	CBA-CGA-O2A-C1
16	a	1103	CLA	CBA-CGA-O2A-C1
16	a	1110	CLA	CBA-CGA-O2A-C1
16	a	1114	CLA	CBA-CGA-O2A-C1
16	a	1121	CLA	CBA-CGA-O2A-C1
16	a	1130	CLA	CBA-CGA-O2A-C1
16	a	1133	CLA	CBA-CGA-O2A-C1
16	a	1140	CLA	CBA-CGA-O2A-C1
16	b	1202	CLA	CBA-CGA-O2A-C1
16	b	1210	CLA	CBA-CGA-O2A-C1
16	b	1227	CLA	CBA-CGA-O2A-C1
16	b	1234	CLA	CBA-CGA-O2A-C1
16	b	1236	CLA	CBA-CGA-O2A-C1
16	n	501	CLA	CBA-CGA-O2A-C1
16	n	508	CLA	CBA-CGA-O2A-C1
16	n	513	CLA	CBA-CGA-O2A-C1
16	n	515	CLA	CBA-CGA-O2A-C1
16	o	508	CLA	CBA-CGA-O2A-C1
16	o	511	CLA	CBA-CGA-O2A-C1
16	p	501	CLA	CBA-CGA-O2A-C1
16	p	508	CLA	CBA-CGA-O2A-C1
16	p	513	CLA	CBA-CGA-O2A-C1
16	p	515	CLA	CBA-CGA-O2A-C1
16	q	501	CLA	CBA-CGA-O2A-C1
16	q	502	CLA	CBA-CGA-O2A-C1
16	q	508	CLA	CBA-CGA-O2A-C1
16	r	501	CLA	CBA-CGA-O2A-C1
16	r	508	CLA	CBA-CGA-O2A-C1
16	h	505	CLA	CBA-CGA-O2A-C1
16	h	508	CLA	CBA-CGA-O2A-C1
16	h	511	CLA	CBA-CGA-O2A-C1
16	h	513	CLA	CBA-CGA-O2A-C1
16	H	1103	CLA	CBA-CGA-O2A-C1
16	H	1110	CLA	CBA-CGA-O2A-C1
16	H	1114	CLA	CBA-CGA-O2A-C1
16	H	1121	CLA	CBA-CGA-O2A-C1
16	H	1130	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
16	H	1133	CLA	CBA-CGA-O2A-C1
16	H	1140	CLA	CBA-CGA-O2A-C1
16	G	1202	CLA	CBA-CGA-O2A-C1
16	G	1210	CLA	CBA-CGA-O2A-C1
16	G	1227	CLA	CBA-CGA-O2A-C1
16	G	1234	CLA	CBA-CGA-O2A-C1
16	G	1236	CLA	CBA-CGA-O2A-C1
16	t	508	CLA	CBA-CGA-O2A-C1
16	t	513	CLA	CBA-CGA-O2A-C1
16	t	515	CLA	CBA-CGA-O2A-C1
16	u	508	CLA	CBA-CGA-O2A-C1
16	u	511	CLA	CBA-CGA-O2A-C1
16	u	517	CLA	CBA-CGA-O2A-C1
16	s	501	CLA	CBA-CGA-O2A-C1
16	s	508	CLA	CBA-CGA-O2A-C1
16	s	513	CLA	CBA-CGA-O2A-C1
16	w	502	CLA	CBA-CGA-O2A-C1
16	w	508	CLA	CBA-CGA-O2A-C1
16	x	501	CLA	CBA-CGA-O2A-C1
16	x	508	CLA	CBA-CGA-O2A-C1
16	x	511	CLA	CBA-CGA-O2A-C1
16	v	505	CLA	CBA-CGA-O2A-C1
16	v	508	CLA	CBA-CGA-O2A-C1
16	v	515	CLA	CBA-CGA-O2A-C1
16	A	1117	CLA	CBD-CGD-O2D-CED
16	A	1119	CLA	CBD-CGD-O2D-CED
16	A	1132	CLA	CBD-CGD-O2D-CED
16	A	1137	CLA	CBD-CGD-O2D-CED
16	B	1012	CLA	CBD-CGD-O2D-CED
16	B	1214	CLA	CBD-CGD-O2D-CED
16	B	1218	CLA	CBD-CGD-O2D-CED
16	B	1222	CLA	CBD-CGD-O2D-CED
16	W	515	CLA	CBD-CGD-O2D-CED
16	X	514	CLA	CBD-CGD-O2D-CED
16	Y	501	CLA	CBD-CGD-O2D-CED
16	Y	505	CLA	CBD-CGD-O2D-CED
16	Y	506	CLA	CBD-CGD-O2D-CED
16	Y	512	CLA	CBD-CGD-O2D-CED
16	Z	505	CLA	CBD-CGD-O2D-CED
16	Z	513	CLA	CBD-CGD-O2D-CED
16	y	517	CLA	CBD-CGD-O2D-CED
16	a	1117	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
16	a	1119	CLA	CBD-CGD-O2D-CED
16	a	1132	CLA	CBD-CGD-O2D-CED
16	a	1137	CLA	CBD-CGD-O2D-CED
16	b	1012	CLA	CBD-CGD-O2D-CED
16	b	1214	CLA	CBD-CGD-O2D-CED
16	b	1218	CLA	CBD-CGD-O2D-CED
16	b	1222	CLA	CBD-CGD-O2D-CED
16	p	505	CLA	CBD-CGD-O2D-CED
16	p	506	CLA	CBD-CGD-O2D-CED
16	p	508	CLA	CBD-CGD-O2D-CED
16	p	517	CLA	CBD-CGD-O2D-CED
16	q	501	CLA	CBD-CGD-O2D-CED
16	q	508	CLA	CBD-CGD-O2D-CED
16	q	513	CLA	CBD-CGD-O2D-CED
16	r	516	CLA	CBD-CGD-O2D-CED
16	h	517	CLA	CBD-CGD-O2D-CED
16	H	1117	CLA	CBD-CGD-O2D-CED
16	H	1119	CLA	CBD-CGD-O2D-CED
16	H	1132	CLA	CBD-CGD-O2D-CED
16	H	1137	CLA	CBD-CGD-O2D-CED
16	G	1012	CLA	CBD-CGD-O2D-CED
16	G	1214	CLA	CBD-CGD-O2D-CED
16	G	1218	CLA	CBD-CGD-O2D-CED
16	G	1222	CLA	CBD-CGD-O2D-CED
16	u	501	CLA	CBD-CGD-O2D-CED
16	u	504	CLA	CBD-CGD-O2D-CED
16	s	504	CLA	CBD-CGD-O2D-CED
16	s	505	CLA	CBD-CGD-O2D-CED
16	s	506	CLA	CBD-CGD-O2D-CED
16	s	508	CLA	CBD-CGD-O2D-CED
16	s	510	CLA	CBD-CGD-O2D-CED
16	s	517	CLA	CBD-CGD-O2D-CED
16	w	505	CLA	CBD-CGD-O2D-CED
16	w	508	CLA	CBD-CGD-O2D-CED
16	w	513	CLA	CBD-CGD-O2D-CED
16	w	515	CLA	CBD-CGD-O2D-CED
16	x	510	CLA	CBD-CGD-O2D-CED
16	x	516	CLA	CBD-CGD-O2D-CED
16	v	512	CLA	CBD-CGD-O2D-CED
16	v	515	CLA	CBD-CGD-O2D-CED
16	v	517	CLA	CBD-CGD-O2D-CED
16	A	1237	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
16	A	1801	CLA	O1D-CGD-O2D-CED
16	Y	508	CLA	O1D-CGD-O2D-CED
16	Y	511	CLA	O1D-CGD-O2D-CED
16	a	1237	CLA	O1D-CGD-O2D-CED
16	a	1801	CLA	O1D-CGD-O2D-CED
16	o	503	CLA	O1D-CGD-O2D-CED
16	r	517	CLA	O1D-CGD-O2D-CED
16	h	501	CLA	O1D-CGD-O2D-CED
16	H	1237	CLA	O1D-CGD-O2D-CED
16	s	511	CLA	O1D-CGD-O2D-CED
16	s	516	CLA	O1D-CGD-O2D-CED
16	w	501	CLA	O1D-CGD-O2D-CED
16	x	512	CLA	O1D-CGD-O2D-CED
16	v	501	CLA	O1D-CGD-O2D-CED
16	n	505	CLA	O1A-CGA-O2A-C1
16	q	513	CLA	O1A-CGA-O2A-C1
16	u	513	CLA	O1A-CGA-O2A-C1
16	n	516	CLA	O1A-CGA-O2A-C1
16	p	503	CLA	O1A-CGA-O2A-C1
16	A	1013	CLA	C4-C3-C5-C6
16	A	1140	CLA	C4-C3-C5-C6
16	B	1207	CLA	C4-C3-C5-C6
16	B	1215	CLA	C4-C3-C5-C6
16	B	1239	CLA	C4-C3-C5-C6
16	L	1503	CLA	C4-C3-C5-C6
16	g	506	CLA	C4-C3-C5-C6
16	g	507	CLA	C4-C3-C5-C6
16	a	1013	CLA	C4-C3-C5-C6
16	a	1140	CLA	C4-C3-C5-C6
16	b	1207	CLA	C4-C3-C5-C6
16	b	1215	CLA	C4-C3-C5-C6
16	b	1239	CLA	C4-C3-C5-C6
16	l	1503	CLA	C4-C3-C5-C6
16	r	507	CLA	C4-C3-C5-C6
16	H	1013	CLA	C4-C3-C5-C6
16	H	1140	CLA	C4-C3-C5-C6
16	G	1207	CLA	C4-C3-C5-C6
16	G	1215	CLA	C4-C3-C5-C6
16	G	1239	CLA	C4-C3-C5-C6
16	U	1503	CLA	C4-C3-C5-C6
16	x	507	CLA	C4-C3-C5-C6
16	A	1013	CLA	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
16	A	1109	CLA	C2-C3-C5-C6
16	A	1140	CLA	C2-C3-C5-C6
16	B	1215	CLA	C2-C3-C5-C6
16	B	1239	CLA	C2-C3-C5-C6
16	g	506	CLA	C2-C3-C5-C6
16	a	1013	CLA	C2-C3-C5-C6
16	a	1109	CLA	C2-C3-C5-C6
16	a	1140	CLA	C2-C3-C5-C6
16	b	1215	CLA	C2-C3-C5-C6
16	b	1239	CLA	C2-C3-C5-C6
16	H	1013	CLA	C2-C3-C5-C6
16	H	1109	CLA	C2-C3-C5-C6
16	H	1140	CLA	C2-C3-C5-C6
16	G	1215	CLA	C2-C3-C5-C6
16	G	1239	CLA	C2-C3-C5-C6
16	X	516	CLA	CBA-CGA-O2A-C1
16	g	516	CLA	CBA-CGA-O2A-C1
16	o	516	CLA	CBA-CGA-O2A-C1
16	p	503	CLA	CBA-CGA-O2A-C1
16	t	516	CLA	CBA-CGA-O2A-C1
16	u	516	CLA	CBA-CGA-O2A-C1
16	s	503	CLA	CBA-CGA-O2A-C1
16	A	1120	CLA	CBD-CGD-O2D-CED
16	B	1229	CLA	CBD-CGD-O2D-CED
16	a	1120	CLA	CBD-CGD-O2D-CED
16	b	1229	CLA	CBD-CGD-O2D-CED
16	H	1120	CLA	CBD-CGD-O2D-CED
16	G	1229	CLA	CBD-CGD-O2D-CED
16	B	1213	CLA	O1D-CGD-O2D-CED
16	B	1234	CLA	O1D-CGD-O2D-CED
16	X	506	CLA	O1D-CGD-O2D-CED
16	b	1213	CLA	O1D-CGD-O2D-CED
16	b	1234	CLA	O1D-CGD-O2D-CED
16	r	505	CLA	O1D-CGD-O2D-CED
16	r	512	CLA	O1D-CGD-O2D-CED
16	G	1213	CLA	O1D-CGD-O2D-CED
16	G	1234	CLA	O1D-CGD-O2D-CED
16	u	503	CLA	O1D-CGD-O2D-CED
16	A	1111	CLA	C2A-CAA-CBA-CGA
16	B	1236	CLA	C2A-CAA-CBA-CGA
16	g	502	CLA	C2A-CAA-CBA-CGA
16	g	503	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
16	a	1111	CLA	C2A-CAA-CBA-CGA
16	b	1236	CLA	C2A-CAA-CBA-CGA
16	o	515	CLA	C2A-CAA-CBA-CGA
16	r	502	CLA	C2A-CAA-CBA-CGA
16	H	1111	CLA	C2A-CAA-CBA-CGA
16	G	1236	CLA	C2A-CAA-CBA-CGA
16	u	502	CLA	C2A-CAA-CBA-CGA
16	x	506	CLA	C2A-CAA-CBA-CGA
16	v	506	CLA	C2A-CAA-CBA-CGA
16	B	1215	CLA	O1A-CGA-O2A-C1
16	b	1215	CLA	O1A-CGA-O2A-C1
16	p	511	CLA	O1A-CGA-O2A-C1
16	q	515	CLA	O1A-CGA-O2A-C1
16	G	1215	CLA	O1A-CGA-O2A-C1
16	s	511	CLA	O1A-CGA-O2A-C1
16	A	1013	CLA	C3-C5-C6-C7
16	A	1126	CLA	C3-C5-C6-C7
16	B	1214	CLA	C3-C5-C6-C7
16	B	1223	CLA	C3-C5-C6-C7
16	W	507	CLA	C3-C5-C6-C7
16	W	517	CLA	C3-C5-C6-C7
16	Z	509	CLA	C3-C5-C6-C7
16	g	511	CLA	C3-C5-C6-C7
16	a	1013	CLA	C3-C5-C6-C7
16	a	1126	CLA	C3-C5-C6-C7
16	b	1214	CLA	C3-C5-C6-C7
16	b	1223	CLA	C3-C5-C6-C7
16	n	505	CLA	C3-C5-C6-C7
16	n	507	CLA	C3-C5-C6-C7
16	n	517	CLA	C3-C5-C6-C7
16	q	509	CLA	C3-C5-C6-C7
16	H	1013	CLA	C3-C5-C6-C7
16	H	1126	CLA	C3-C5-C6-C7
16	G	1214	CLA	C3-C5-C6-C7
16	G	1223	CLA	C3-C5-C6-C7
16	t	506	CLA	C3-C5-C6-C7
16	t	507	CLA	C3-C5-C6-C7
16	t	517	CLA	C3-C5-C6-C7
16	x	506	CLA	C3-C5-C6-C7
16	A	1101	CLA	CBA-CGA-O2A-C1
16	A	1106	CLA	CBA-CGA-O2A-C1
16	A	1115	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
16	A	1135	CLA	CBA-CGA-O2A-C1
16	A	1801	CLA	CBA-CGA-O2A-C1
16	B	1215	CLA	CBA-CGA-O2A-C1
16	B	1222	CLA	CBA-CGA-O2A-C1
16	L	1502	CLA	CBA-CGA-O2A-C1
16	W	505	CLA	CBA-CGA-O2A-C1
16	X	511	CLA	CBA-CGA-O2A-C1
16	X	513	CLA	CBA-CGA-O2A-C1
16	Z	515	CLA	CBA-CGA-O2A-C1
16	Z	517	CLA	CBA-CGA-O2A-C1
16	g	517	CLA	CBA-CGA-O2A-C1
16	y	505	CLA	CBA-CGA-O2A-C1
16	y	508	CLA	CBA-CGA-O2A-C1
16	y	511	CLA	CBA-CGA-O2A-C1
16	a	1101	CLA	CBA-CGA-O2A-C1
16	a	1106	CLA	CBA-CGA-O2A-C1
16	a	1115	CLA	CBA-CGA-O2A-C1
16	a	1135	CLA	CBA-CGA-O2A-C1
16	a	1801	CLA	CBA-CGA-O2A-C1
16	b	1215	CLA	CBA-CGA-O2A-C1
16	b	1222	CLA	CBA-CGA-O2A-C1
16	l	1502	CLA	CBA-CGA-O2A-C1
16	n	517	CLA	CBA-CGA-O2A-C1
16	o	513	CLA	CBA-CGA-O2A-C1
16	o	517	CLA	CBA-CGA-O2A-C1
16	p	502	CLA	CBA-CGA-O2A-C1
16	p	511	CLA	CBA-CGA-O2A-C1
16	q	515	CLA	CBA-CGA-O2A-C1
16	r	513	CLA	CBA-CGA-O2A-C1
16	r	515	CLA	CBA-CGA-O2A-C1
16	r	517	CLA	CBA-CGA-O2A-C1
16	H	1101	CLA	CBA-CGA-O2A-C1
16	H	1106	CLA	CBA-CGA-O2A-C1
16	H	1115	CLA	CBA-CGA-O2A-C1
16	H	1135	CLA	CBA-CGA-O2A-C1
16	H	1801	CLA	CBA-CGA-O2A-C1
16	G	1215	CLA	CBA-CGA-O2A-C1
16	G	1222	CLA	CBA-CGA-O2A-C1
16	U	1502	CLA	CBA-CGA-O2A-C1
16	u	515	CLA	CBA-CGA-O2A-C1
16	s	511	CLA	CBA-CGA-O2A-C1
16	s	515	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
16	w	511	CLA	CBA-CGA-O2A-C1
16	w	515	CLA	CBA-CGA-O2A-C1
16	x	510	CLA	CBA-CGA-O2A-C1
16	x	513	CLA	CBA-CGA-O2A-C1
16	x	517	CLA	CBA-CGA-O2A-C1
16	v	513	CLA	CBA-CGA-O2A-C1
19	J	4015	BCR	C9-C10-C11-C12
19	Y	601	BCR	C19-C20-C21-C22
19	Y	603	BCR	C9-C10-C11-C12
19	Z	601	BCR	C19-C20-C21-C22
19	g	602	BCR	C19-C20-C21-C22
19	g	603	BCR	C9-C10-C11-C12
19	o	602	BCR	C19-C20-C21-C22
19	q	604	BCR	C15-C16-C17-C18
19	r	602	BCR	C19-C20-C21-C22
19	s	601	BCR	C19-C20-C21-C22
19	s	603	BCR	C9-C10-C11-C12
19	j	4015	BCR	C9-C10-C11-C12
19	S	4015	BCR	C9-C10-C11-C12
16	A	1117	CLA	O1A-CGA-O2A-C1
16	A	1801	CLA	O1A-CGA-O2A-C1
16	B	1023	CLA	O1A-CGA-O2A-C1
16	B	1202	CLA	O1A-CGA-O2A-C1
16	B	1222	CLA	O1A-CGA-O2A-C1
16	B	1234	CLA	O1A-CGA-O2A-C1
16	W	505	CLA	O1A-CGA-O2A-C1
16	Y	511	CLA	O1A-CGA-O2A-C1
16	Z	511	CLA	O1A-CGA-O2A-C1
16	g	517	CLA	O1A-CGA-O2A-C1
16	a	1117	CLA	O1A-CGA-O2A-C1
16	a	1801	CLA	O1A-CGA-O2A-C1
16	b	1023	CLA	O1A-CGA-O2A-C1
16	b	1202	CLA	O1A-CGA-O2A-C1
16	b	1222	CLA	O1A-CGA-O2A-C1
16	b	1234	CLA	O1A-CGA-O2A-C1
16	o	515	CLA	O1A-CGA-O2A-C1
16	q	511	CLA	O1A-CGA-O2A-C1
16	r	517	CLA	O1A-CGA-O2A-C1
16	H	1117	CLA	O1A-CGA-O2A-C1
16	H	1801	CLA	O1A-CGA-O2A-C1
16	G	1023	CLA	O1A-CGA-O2A-C1
16	G	1202	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
16	G	1222	CLA	O1A-CGA-O2A-C1
16	G	1234	CLA	O1A-CGA-O2A-C1
16	w	511	CLA	O1A-CGA-O2A-C1
16	w	513	CLA	O1A-CGA-O2A-C1
16	w	515	CLA	O1A-CGA-O2A-C1
16	x	517	CLA	O1D-CGD-O2D-CED
16	Y	503	CLA	CBA-CGA-O2A-C1
16	o	503	CLA	CBA-CGA-O2A-C1
16	r	516	CLA	CBA-CGA-O2A-C1
16	X	503	CLA	O1A-CGA-O2A-C1
16	t	516	CLA	O1A-CGA-O2A-C1
16	A	1127	CLA	O1D-CGD-O2D-CED
16	A	1139	CLA	O1D-CGD-O2D-CED
16	Y	516	CLA	O1D-CGD-O2D-CED
16	g	512	CLA	O1D-CGD-O2D-CED
16	a	1127	CLA	O1D-CGD-O2D-CED
16	a	1139	CLA	O1D-CGD-O2D-CED
16	q	517	CLA	O1D-CGD-O2D-CED
16	H	1127	CLA	O1D-CGD-O2D-CED
16	H	1139	CLA	O1D-CGD-O2D-CED
15	A	1011	CL0	C3-C5-C6-C7
15	a	1011	CL0	C3-C5-C6-C7
15	H	1011	CL0	C3-C5-C6-C7
16	A	1123	CLA	C3-C5-C6-C7
16	A	1125	CLA	C3-C5-C6-C7
16	B	1023	CLA	C3-C5-C6-C7
16	B	1222	CLA	C3-C5-C6-C7
16	Z	508	CLA	C3-C5-C6-C7
16	a	1123	CLA	C3-C5-C6-C7
16	a	1125	CLA	C3-C5-C6-C7
16	b	1023	CLA	C3-C5-C6-C7
16	b	1222	CLA	C3-C5-C6-C7
16	r	506	CLA	C3-C5-C6-C7
16	h	508	CLA	C3-C5-C6-C7
16	H	1123	CLA	C3-C5-C6-C7
16	H	1125	CLA	C3-C5-C6-C7
16	G	1023	CLA	C3-C5-C6-C7
16	G	1222	CLA	C3-C5-C6-C7
16	u	517	CLA	C3-C5-C6-C7
16	s	507	CLA	C3-C5-C6-C7
16	s	509	CLA	C3-C5-C6-C7
16	w	507	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
16	A	1113	CLA	CBD-CGD-O2D-CED
16	A	1133	CLA	CBD-CGD-O2D-CED
16	a	1113	CLA	CBD-CGD-O2D-CED
16	a	1133	CLA	CBD-CGD-O2D-CED
16	q	515	CLA	CBD-CGD-O2D-CED
16	H	1113	CLA	CBD-CGD-O2D-CED
16	H	1133	CLA	CBD-CGD-O2D-CED
16	u	502	CLA	CBD-CGD-O2D-CED
16	B	1203	CLA	O1D-CGD-O2D-CED
16	B	1215	CLA	O1D-CGD-O2D-CED
16	B	1224	CLA	O1D-CGD-O2D-CED
16	B	1239	CLA	O1D-CGD-O2D-CED
16	b	1203	CLA	O1D-CGD-O2D-CED
16	b	1215	CLA	O1D-CGD-O2D-CED
16	b	1224	CLA	O1D-CGD-O2D-CED
16	b	1239	CLA	O1D-CGD-O2D-CED
16	G	1203	CLA	O1D-CGD-O2D-CED
16	G	1215	CLA	O1D-CGD-O2D-CED
16	G	1224	CLA	O1D-CGD-O2D-CED
16	G	1239	CLA	O1D-CGD-O2D-CED
16	A	1013	CLA	CBA-CGA-O2A-C1
16	A	1117	CLA	CBA-CGA-O2A-C1
16	W	514	CLA	CBA-CGA-O2A-C1
16	Z	511	CLA	CBA-CGA-O2A-C1
16	g	510	CLA	CBA-CGA-O2A-C1
16	g	515	CLA	CBA-CGA-O2A-C1
16	y	510	CLA	CBA-CGA-O2A-C1
16	a	1013	CLA	CBA-CGA-O2A-C1
16	a	1117	CLA	CBA-CGA-O2A-C1
16	n	505	CLA	CBA-CGA-O2A-C1
16	n	506	CLA	CBA-CGA-O2A-C1
16	q	511	CLA	CBA-CGA-O2A-C1
16	q	513	CLA	CBA-CGA-O2A-C1
16	H	1013	CLA	CBA-CGA-O2A-C1
16	H	1117	CLA	CBA-CGA-O2A-C1
16	t	502	CLA	CBA-CGA-O2A-C1
16	u	513	CLA	CBA-CGA-O2A-C1
16	s	502	CLA	CBA-CGA-O2A-C1
16	s	509	CLA	CBA-CGA-O2A-C1
14	A	852	LMG	O6-C5-C6-O5
14	a	852	LMG	O6-C5-C6-O5
14	H	852	LMG	O6-C5-C6-O5

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Mol	Chain	Res	Type	Atoms
16	Z	517	CLA	O1A-CGA-O2A-C1
16	r	513	CLA	O1A-CGA-O2A-C1
16	r	515	CLA	O1A-CGA-O2A-C1
16	t	505	CLA	O1A-CGA-O2A-C1
16	u	517	CLA	O1A-CGA-O2A-C1
16	x	510	CLA	O1A-CGA-O2A-C1
20	L	4101	LMT	C4B-C5B-C6B-O6B
20	l	4101	LMT	C4B-C5B-C6B-O6B
20	U	4101	LMT	C4B-C5B-C6B-O6B
16	w	517	CLA	O1D-CGD-O2D-CED
16	p	510	CLA	CBD-CGD-O2D-CED
16	u	505	CLA	CBD-CGD-O2D-CED
14	A	4201	LMG	C11-C10-O7-C8
14	a	4201	LMG	C11-C10-O7-C8
14	H	4201	LMG	C11-C10-O7-C8
16	y	503	CLA	CBA-CGA-O2A-C1
16	u	503	CLA	CBA-CGA-O2A-C1
16	x	516	CLA	CBA-CGA-O2A-C1
16	v	503	CLA	CBA-CGA-O2A-C1
16	Z	517	CLA	O1D-CGD-O2D-CED
16	t	517	CLA	O1D-CGD-O2D-CED
16	x	513	CLA	O1A-CGA-O2A-C1
19	B	4014	BCR	C14-C15-C16-C17
19	b	4014	BCR	C14-C15-C16-C17
19	G	4014	BCR	C14-C15-C16-C17
16	B	1023	CLA	C2C-C3C-CAC-CBC
16	b	1023	CLA	C2C-C3C-CAC-CBC
16	G	1023	CLA	C2C-C3C-CAC-CBC
16	W	517	CLA	O1D-CGD-O2D-CED
16	X	503	CLA	O1D-CGD-O2D-CED
16	X	508	CLA	O1D-CGD-O2D-CED
16	g	516	CLA	O1D-CGD-O2D-CED
16	n	514	CLA	O1D-CGD-O2D-CED
16	o	508	CLA	O1D-CGD-O2D-CED
16	h	512	CLA	O1D-CGD-O2D-CED
16	t	512	CLA	O1D-CGD-O2D-CED
16	u	508	CLA	O1D-CGD-O2D-CED
16	x	503	CLA	O1D-CGD-O2D-CED
16	A	1138	CLA	C3-C5-C6-C7
16	Z	504	CLA	C3-C5-C6-C7
16	a	1138	CLA	C3-C5-C6-C7
16	o	517	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
16	H	1138	CLA	C3-C5-C6-C7
16	A	1101	CLA	CBD-CGD-O2D-CED
16	A	1106	CLA	CBD-CGD-O2D-CED
16	A	1126	CLA	CBD-CGD-O2D-CED
16	B	1201	CLA	CBD-CGD-O2D-CED
16	B	1207	CLA	CBD-CGD-O2D-CED
16	Z	512	CLA	CBD-CGD-O2D-CED
16	a	1101	CLA	CBD-CGD-O2D-CED
16	a	1106	CLA	CBD-CGD-O2D-CED
16	a	1126	CLA	CBD-CGD-O2D-CED
16	b	1201	CLA	CBD-CGD-O2D-CED
16	b	1207	CLA	CBD-CGD-O2D-CED
16	b	1227	CLA	CBD-CGD-O2D-CED
16	n	501	CLA	CBD-CGD-O2D-CED
16	q	512	CLA	CBD-CGD-O2D-CED
16	h	505	CLA	CBD-CGD-O2D-CED
16	H	1101	CLA	CBD-CGD-O2D-CED
16	H	1106	CLA	CBD-CGD-O2D-CED
16	H	1126	CLA	CBD-CGD-O2D-CED
16	G	1201	CLA	CBD-CGD-O2D-CED
16	G	1207	CLA	CBD-CGD-O2D-CED
16	G	1227	CLA	CBD-CGD-O2D-CED
16	v	509	CLA	CBD-CGD-O2D-CED
16	A	1105	CLA	O1D-CGD-O2D-CED
16	A	1131	CLA	O1D-CGD-O2D-CED
16	W	514	CLA	O1D-CGD-O2D-CED
16	g	505	CLA	O1D-CGD-O2D-CED
16	a	1105	CLA	O1D-CGD-O2D-CED
16	a	1131	CLA	O1D-CGD-O2D-CED
16	o	510	CLA	O1D-CGD-O2D-CED
16	H	1105	CLA	O1D-CGD-O2D-CED
16	H	1131	CLA	O1D-CGD-O2D-CED
16	s	512	CLA	O1D-CGD-O2D-CED
16	B	1023	CLA	CBA-CGA-O2A-C1
16	b	1023	CLA	CBA-CGA-O2A-C1
16	o	515	CLA	CBA-CGA-O2A-C1
16	G	1023	CLA	CBA-CGA-O2A-C1
16	t	505	CLA	CBA-CGA-O2A-C1
16	w	513	CLA	CBA-CGA-O2A-C1
16	w	517	CLA	CBA-CGA-O2A-C1
16	X	517	CLA	C4-C3-C5-C6
16	r	506	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
16	x	515	CLA	C4-C3-C5-C6
16	B	1207	CLA	C2-C3-C5-C6
16	L	1503	CLA	C2-C3-C5-C6
16	g	507	CLA	C2-C3-C5-C6
16	b	1207	CLA	C2-C3-C5-C6
16	l	1503	CLA	C2-C3-C5-C6
16	r	506	CLA	C2-C3-C5-C6
16	G	1207	CLA	C2-C3-C5-C6
16	U	1503	CLA	C2-C3-C5-C6
16	x	507	CLA	C2-C3-C5-C6
16	A	1013	CLA	O1A-CGA-O2A-C1
16	A	1101	CLA	O1A-CGA-O2A-C1
16	g	510	CLA	O1A-CGA-O2A-C1
16	g	515	CLA	O1A-CGA-O2A-C1
16	a	1013	CLA	O1A-CGA-O2A-C1
16	a	1101	CLA	O1A-CGA-O2A-C1
16	o	517	CLA	O1A-CGA-O2A-C1
16	p	502	CLA	O1A-CGA-O2A-C1
16	H	1013	CLA	O1A-CGA-O2A-C1
16	H	1101	CLA	O1A-CGA-O2A-C1
16	u	515	CLA	O1A-CGA-O2A-C1
16	s	509	CLA	O1A-CGA-O2A-C1
14	A	852	LMG	O9-C10-O7-C8
14	a	852	LMG	O9-C10-O7-C8
14	H	852	LMG	O9-C10-O7-C8
14	A	852	LMG	C4-C5-C6-O5
14	a	852	LMG	C4-C5-C6-O5
14	H	852	LMG	C4-C5-C6-O5
16	B	1210	CLA	CBD-CGD-O2D-CED
16	B	1227	CLA	CBD-CGD-O2D-CED
16	W	505	CLA	CBD-CGD-O2D-CED
16	b	1210	CLA	CBD-CGD-O2D-CED
16	G	1210	CLA	CBD-CGD-O2D-CED
16	X	516	CLA	O1A-CGA-O2A-C1
16	u	516	CLA	O1A-CGA-O2A-C1
16	X	502	CLA	C2A-CAA-CBA-CGA
16	X	513	CLA	C2A-CAA-CBA-CGA
16	r	503	CLA	C2A-CAA-CBA-CGA
16	h	506	CLA	C2A-CAA-CBA-CGA
16	x	503	CLA	C2A-CAA-CBA-CGA
16	v	504	CLA	C2A-CAA-CBA-CGA
16	A	1134	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
16	a	1134	CLA	O1D-CGD-O2D-CED
16	H	1134	CLA	O1D-CGD-O2D-CED
16	W	514	CLA	O1A-CGA-O2A-C1
16	y	510	CLA	O1A-CGA-O2A-C1
16	n	506	CLA	O1A-CGA-O2A-C1
16	t	502	CLA	O1A-CGA-O2A-C1
16	s	502	CLA	O1A-CGA-O2A-C1
16	w	517	CLA	O1A-CGA-O2A-C1
14	A	4201	LMG	O6-C1-O1-C7
14	a	4201	LMG	O6-C1-O1-C7
14	H	4201	LMG	O6-C1-O1-C7
20	L	4101	LMT	O5B-C5B-C6B-O6B
20	l	4101	LMT	O5B-C5B-C6B-O6B
20	U	4101	LMT	O5B-C5B-C6B-O6B
16	X	510	CLA	O1D-CGD-O2D-CED
16	y	512	CLA	O1D-CGD-O2D-CED
16	n	512	CLA	O1D-CGD-O2D-CED
16	n	517	CLA	O1D-CGD-O2D-CED
16	L	1503	CLA	CBA-CGA-O2A-C1
16	W	511	CLA	CBA-CGA-O2A-C1
16	Y	514	CLA	CBA-CGA-O2A-C1
16	l	1503	CLA	CBA-CGA-O2A-C1
16	n	514	CLA	CBA-CGA-O2A-C1
16	o	506	CLA	CBA-CGA-O2A-C1
16	p	509	CLA	CBA-CGA-O2A-C1
16	U	1503	CLA	CBA-CGA-O2A-C1
16	t	511	CLA	CBA-CGA-O2A-C1
16	s	507	CLA	CBA-CGA-O2A-C1
16	A	1114	CLA	CBD-CGD-O2D-CED
16	B	1230	CLA	CBD-CGD-O2D-CED
16	L	1501	CLA	CBD-CGD-O2D-CED
16	g	503	CLA	CBD-CGD-O2D-CED
16	a	1114	CLA	CBD-CGD-O2D-CED
16	b	1230	CLA	CBD-CGD-O2D-CED
16	l	1501	CLA	CBD-CGD-O2D-CED
16	o	514	CLA	CBD-CGD-O2D-CED
16	r	503	CLA	CBD-CGD-O2D-CED
16	h	516	CLA	CBD-CGD-O2D-CED
16	H	1114	CLA	CBD-CGD-O2D-CED
16	G	1230	CLA	CBD-CGD-O2D-CED
16	U	1501	CLA	CBD-CGD-O2D-CED
16	s	509	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
16	v	505	CLA	CBD-CGD-O2D-CED
16	g	516	CLA	O1A-CGA-O2A-C1
16	o	503	CLA	O1A-CGA-O2A-C1
16	o	516	CLA	O1A-CGA-O2A-C1
16	r	516	CLA	O1A-CGA-O2A-C1
16	h	503	CLA	CBA-CGA-O2A-C1
16	t	514	CLA	O1D-CGD-O2D-CED
16	o	505	CLA	O1D-CGD-O2D-CED
16	r	504	CLA	O1D-CGD-O2D-CED
16	u	510	CLA	O1D-CGD-O2D-CED
16	X	501	CLA	CBD-CGD-O2D-CED
16	Z	515	CLA	CBD-CGD-O2D-CED
16	h	509	CLA	CBD-CGD-O2D-CED
16	v	508	CLA	C3-C5-C6-C7
16	Z	510	CLA	O1D-CGD-O2D-CED
19	Z	602	BCR	C19-C20-C21-C22
19	Z	604	BCR	C15-C16-C17-C18
19	o	604	BCR	C9-C10-C11-C12
19	p	601	BCR	C19-C20-C21-C22
19	q	602	BCR	C19-C20-C21-C22
19	t	601	BCR	C15-C16-C17-C18
19	w	602	BCR	C19-C20-C21-C22
19	x	601	BCR	C15-C16-C17-C18
19	v	604	BCR	C9-C10-C11-C12
16	L	1503	CLA	O1A-CGA-O2A-C1
16	l	1503	CLA	O1A-CGA-O2A-C1
16	n	514	CLA	O1A-CGA-O2A-C1
16	U	1503	CLA	O1A-CGA-O2A-C1
16	s	507	CLA	O1A-CGA-O2A-C1
16	p	512	CLA	O1D-CGD-O2D-CED
16	A	1102	CLA	CBA-CGA-O2A-C1
16	A	1118	CLA	CBA-CGA-O2A-C1
16	A	1122	CLA	CBA-CGA-O2A-C1
16	A	1128	CLA	CBA-CGA-O2A-C1
16	B	1211	CLA	CBA-CGA-O2A-C1
16	B	1214	CLA	CBA-CGA-O2A-C1
16	W	502	CLA	CBA-CGA-O2A-C1
16	W	507	CLA	CBA-CGA-O2A-C1
16	W	509	CLA	CBA-CGA-O2A-C1
16	X	505	CLA	CBA-CGA-O2A-C1
16	X	507	CLA	CBA-CGA-O2A-C1
16	X	509	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
16	X	517	CLA	CBA-CGA-O2A-C1
16	Y	502	CLA	CBA-CGA-O2A-C1
16	Y	507	CLA	CBA-CGA-O2A-C1
16	Y	509	CLA	CBA-CGA-O2A-C1
16	Z	509	CLA	CBA-CGA-O2A-C1
16	g	507	CLA	CBA-CGA-O2A-C1
16	y	517	CLA	CBA-CGA-O2A-C1
16	a	1102	CLA	CBA-CGA-O2A-C1
16	a	1118	CLA	CBA-CGA-O2A-C1
16	a	1122	CLA	CBA-CGA-O2A-C1
16	a	1128	CLA	CBA-CGA-O2A-C1
16	b	1211	CLA	CBA-CGA-O2A-C1
16	b	1214	CLA	CBA-CGA-O2A-C1
16	n	502	CLA	CBA-CGA-O2A-C1
16	n	507	CLA	CBA-CGA-O2A-C1
16	n	509	CLA	CBA-CGA-O2A-C1
16	n	511	CLA	CBA-CGA-O2A-C1
16	o	509	CLA	CBA-CGA-O2A-C1
16	p	507	CLA	CBA-CGA-O2A-C1
16	q	509	CLA	CBA-CGA-O2A-C1
16	q	517	CLA	CBA-CGA-O2A-C1
16	r	510	CLA	CBA-CGA-O2A-C1
16	h	510	CLA	CBA-CGA-O2A-C1
16	h	517	CLA	CBA-CGA-O2A-C1
16	H	1102	CLA	CBA-CGA-O2A-C1
16	H	1118	CLA	CBA-CGA-O2A-C1
16	H	1122	CLA	CBA-CGA-O2A-C1
16	H	1128	CLA	CBA-CGA-O2A-C1
16	G	1211	CLA	CBA-CGA-O2A-C1
16	G	1214	CLA	CBA-CGA-O2A-C1
16	t	506	CLA	CBA-CGA-O2A-C1
16	t	507	CLA	CBA-CGA-O2A-C1
16	t	509	CLA	CBA-CGA-O2A-C1
16	t	514	CLA	CBA-CGA-O2A-C1
16	u	506	CLA	CBA-CGA-O2A-C1
16	u	509	CLA	CBA-CGA-O2A-C1
16	w	509	CLA	CBA-CGA-O2A-C1
16	v	510	CLA	CBA-CGA-O2A-C1
16	v	517	CLA	CBA-CGA-O2A-C1
16	w	512	CLA	CBD-CGD-O2D-CED
16	v	508	CLA	CBD-CGD-O2D-CED
16	v	516	CLA	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
16	A	1135	CLA	O1D-CGD-O2D-CED
16	B	1208	CLA	O1D-CGD-O2D-CED
16	Y	512	CLA	O1D-CGD-O2D-CED
16	Z	508	CLA	O1D-CGD-O2D-CED
16	a	1135	CLA	O1D-CGD-O2D-CED
16	b	1208	CLA	O1D-CGD-O2D-CED
16	q	505	CLA	O1D-CGD-O2D-CED
16	q	513	CLA	O1D-CGD-O2D-CED
16	H	1135	CLA	O1D-CGD-O2D-CED
16	G	1208	CLA	O1D-CGD-O2D-CED
16	s	504	CLA	O1D-CGD-O2D-CED
16	s	508	CLA	O1D-CGD-O2D-CED
16	s	510	CLA	O1D-CGD-O2D-CED
20	L	4101	LMT	O5'-C5'-C6'-O6'
20	l	4101	LMT	O5'-C5'-C6'-O6'
20	U	4101	LMT	O5'-C5'-C6'-O6'
16	A	1117	CLA	O1D-CGD-O2D-CED
16	a	1117	CLA	O1D-CGD-O2D-CED
16	H	1117	CLA	O1D-CGD-O2D-CED
16	B	1236	CLA	C4-C3-C5-C6
16	b	1236	CLA	C4-C3-C5-C6
16	G	1236	CLA	C4-C3-C5-C6
16	x	506	CLA	C4-C3-C5-C6
16	B	1236	CLA	C2-C3-C5-C6
16	X	517	CLA	C2-C3-C5-C6
16	b	1236	CLA	C2-C3-C5-C6
16	r	507	CLA	C2-C3-C5-C6
16	G	1236	CLA	C2-C3-C5-C6
16	x	506	CLA	C2-C3-C5-C6
16	A	1131	CLA	C3-C5-C6-C7
16	Z	517	CLA	C3-C5-C6-C7
16	g	504	CLA	C3-C5-C6-C7
16	a	1131	CLA	C3-C5-C6-C7
16	q	517	CLA	C3-C5-C6-C7
16	H	1131	CLA	C3-C5-C6-C7
16	o	502	CLA	CBD-CGD-O2D-CED
16	A	1126	CLA	C11-C12-C13-C14
16	B	1021	CLA	C11-C10-C8-C9
16	B	1023	CLA	C6-C7-C8-C9
16	B	1223	CLA	C14-C13-C15-C16
16	W	505	CLA	C11-C12-C13-C14
16	X	507	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
16	g	507	CLA	C11-C10-C8-C9
16	g	509	CLA	C11-C10-C8-C9
16	a	1126	CLA	C11-C12-C13-C14
16	b	1021	CLA	C11-C10-C8-C9
16	b	1023	CLA	C6-C7-C8-C9
16	b	1223	CLA	C14-C13-C15-C16
16	n	505	CLA	C11-C12-C13-C14
16	H	1126	CLA	C11-C12-C13-C14
16	G	1021	CLA	C11-C10-C8-C9
16	G	1023	CLA	C6-C7-C8-C9
16	G	1203	CLA	C6-C7-C8-C9
16	G	1223	CLA	C14-C13-C15-C16
16	Y	505	CLA	O1D-CGD-O2D-CED
16	Z	513	CLA	O1D-CGD-O2D-CED
16	y	517	CLA	O1D-CGD-O2D-CED
16	p	517	CLA	O1D-CGD-O2D-CED
16	h	517	CLA	O1D-CGD-O2D-CED
16	s	517	CLA	O1D-CGD-O2D-CED
16	w	513	CLA	O1D-CGD-O2D-CED
16	v	517	CLA	O1D-CGD-O2D-CED
14	A	4201	LMG	C2-C1-O1-C7
14	a	4201	LMG	C2-C1-O1-C7
14	H	4201	LMG	C2-C1-O1-C7
16	y	503	CLA	O1A-CGA-O2A-C1
16	u	503	CLA	O1A-CGA-O2A-C1
16	W	516	CLA	CBA-CGA-O2A-C1
13	A	851	LHG	O2-C2-C3-O3
13	a	851	LHG	O2-C2-C3-O3
13	H	851	LHG	O2-C2-C3-O3
16	Y	506	CLA	O1D-CGD-O2D-CED
16	q	508	CLA	O1D-CGD-O2D-CED
16	u	501	CLA	O1D-CGD-O2D-CED
16	w	505	CLA	O1D-CGD-O2D-CED
16	Y	502	CLA	O1A-CGA-O2A-C1
16	Y	509	CLA	O1A-CGA-O2A-C1
16	g	507	CLA	O1A-CGA-O2A-C1
16	y	517	CLA	O1A-CGA-O2A-C1
16	o	509	CLA	O1A-CGA-O2A-C1
16	q	509	CLA	O1A-CGA-O2A-C1
16	u	509	CLA	O1A-CGA-O2A-C1
16	Y	501	CLA	O1D-CGD-O2D-CED
16	p	505	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
16	p	508	CLA	O1D-CGD-O2D-CED
16	s	505	CLA	O1D-CGD-O2D-CED
16	w	515	CLA	O1D-CGD-O2D-CED
16	x	510	CLA	O1D-CGD-O2D-CED
16	v	512	CLA	O1D-CGD-O2D-CED
19	A	4001	BCR	C7-C8-C9-C34
19	A	4001	BCR	C37-C22-C23-C24
19	A	4002	BCR	C37-C22-C23-C24
19	A	4003	BCR	C7-C8-C9-C34
19	A	4003	BCR	C11-C12-C13-C35
19	A	4003	BCR	C37-C22-C23-C24
19	A	4008	BCR	C7-C8-C9-C34
19	B	4004	BCR	C7-C8-C9-C34
19	B	4005	BCR	C7-C8-C9-C34
19	B	4009	BCR	C11-C12-C13-C35
19	B	4014	BCR	C7-C8-C9-C34
19	B	4014	BCR	C37-C22-C23-C24
19	B	4017	BCR	C37-C22-C23-C24
19	I	4018	BCR	C11-C12-C13-C35
19	I	4020	BCR	C7-C8-C9-C34
19	J	4012	BCR	C37-C22-C23-C24
19	J	4013	BCR	C37-C22-C23-C24
19	J	4015	BCR	C37-C22-C23-C24
19	L	4019	BCR	C7-C8-C9-C34
19	L	4019	BCR	C37-C22-C23-C24
19	W	603	BCR	C7-C8-C9-C34
19	X	601	BCR	C7-C8-C9-C34
19	X	602	BCR	C7-C8-C9-C34
19	X	603	BCR	C11-C12-C13-C35
19	Y	601	BCR	C7-C8-C9-C34
19	Y	601	BCR	C11-C12-C13-C35
19	Y	603	BCR	C7-C8-C9-C34
19	Z	604	BCR	C7-C8-C9-C34
19	g	601	BCR	C7-C8-C9-C34
19	g	601	BCR	C11-C12-C13-C35
19	y	602	BCR	C37-C22-C23-C24
19	a	4001	BCR	C7-C8-C9-C34
19	a	4001	BCR	C37-C22-C23-C24
19	a	4002	BCR	C37-C22-C23-C24
19	a	4003	BCR	C7-C8-C9-C34
19	a	4003	BCR	C11-C12-C13-C35
19	a	4003	BCR	C37-C22-C23-C24

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Mol	Chain	Res	Type	Atoms
19	a	4008	BCR	C7-C8-C9-C34
19	b	4004	BCR	C7-C8-C9-C34
19	b	4005	BCR	C7-C8-C9-C34
19	b	4009	BCR	C11-C12-C13-C35
19	b	4014	BCR	C7-C8-C9-C34
19	b	4014	BCR	C37-C22-C23-C24
19	b	4017	BCR	C37-C22-C23-C24
19	i	4018	BCR	C11-C12-C13-C35
19	i	4020	BCR	C7-C8-C9-C34
19	l	4019	BCR	C7-C8-C9-C34
19	l	4019	BCR	C37-C22-C23-C24
19	o	601	BCR	C7-C8-C9-C34
19	o	603	BCR	C11-C12-C13-C35
19	o	604	BCR	C7-C8-C9-C34
19	p	603	BCR	C7-C8-C9-C34
19	q	602	BCR	C7-C8-C9-C34
19	r	601	BCR	C11-C12-C13-C35
19	h	602	BCR	C36-C18-C19-C20
19	h	602	BCR	C37-C22-C23-C24
19	H	4001	BCR	C7-C8-C9-C34
19	H	4001	BCR	C37-C22-C23-C24
19	H	4002	BCR	C37-C22-C23-C24
19	H	4003	BCR	C7-C8-C9-C34
19	H	4003	BCR	C11-C12-C13-C35
19	H	4003	BCR	C37-C22-C23-C24
19	H	4008	BCR	C7-C8-C9-C34
19	G	4004	BCR	C7-C8-C9-C34
19	G	4005	BCR	C7-C8-C9-C34
19	G	4009	BCR	C11-C12-C13-C35
19	G	4014	BCR	C7-C8-C9-C34
19	G	4014	BCR	C37-C22-C23-C24
19	G	4017	BCR	C37-C22-C23-C24
19	R	4018	BCR	C11-C12-C13-C35
19	R	4020	BCR	C7-C8-C9-C34
19	U	4019	BCR	C7-C8-C9-C34
19	U	4019	BCR	C37-C22-C23-C24
19	t	603	BCR	C7-C8-C9-C34
19	t	603	BCR	C37-C22-C23-C24
19	u	601	BCR	C7-C8-C9-C34
19	u	604	BCR	C11-C12-C13-C35
19	s	601	BCR	C7-C8-C9-C34
19	s	603	BCR	C7-C8-C9-C34

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Mol	Chain	Res	Type	Atoms
19	w	604	BCR	C7-C8-C9-C34
19	w	604	BCR	C37-C22-C23-C24
19	x	601	BCR	C11-C12-C13-C35
19	x	603	BCR	C11-C12-C13-C35
19	v	602	BCR	C37-C22-C23-C24
19	v	604	BCR	C11-C12-C13-C35
19	j	4012	BCR	C37-C22-C23-C24
19	j	4013	BCR	C37-C22-C23-C24
19	j	4015	BCR	C37-C22-C23-C24
19	S	4012	BCR	C37-C22-C23-C24
19	S	4013	BCR	C37-C22-C23-C24
19	S	4015	BCR	C37-C22-C23-C24
19	A	4002	BCR	C21-C22-C23-C24
19	A	4008	BCR	C7-C8-C9-C10
19	A	4008	BCR	C21-C22-C23-C24
19	I	4018	BCR	C7-C8-C9-C10
19	I	4020	BCR	C7-C8-C9-C10
19	L	4019	BCR	C7-C8-C9-C10
19	Z	602	BCR	C7-C8-C9-C10
19	y	602	BCR	C21-C22-C23-C24
19	y	603	BCR	C7-C8-C9-C10
19	a	4002	BCR	C21-C22-C23-C24
19	a	4008	BCR	C7-C8-C9-C10
19	a	4008	BCR	C21-C22-C23-C24
19	i	4018	BCR	C7-C8-C9-C10
19	i	4020	BCR	C7-C8-C9-C10
19	l	4019	BCR	C7-C8-C9-C10
19	q	602	BCR	C7-C8-C9-C10
19	q	604	BCR	C7-C8-C9-C10
19	h	602	BCR	C21-C22-C23-C24
19	h	603	BCR	C7-C8-C9-C10
19	H	4002	BCR	C21-C22-C23-C24
19	H	4008	BCR	C7-C8-C9-C10
19	H	4008	BCR	C21-C22-C23-C24
19	R	4018	BCR	C7-C8-C9-C10
19	R	4020	BCR	C7-C8-C9-C10
19	U	4019	BCR	C7-C8-C9-C10
19	w	602	BCR	C7-C8-C9-C10
19	v	602	BCR	C21-C22-C23-C24
19	v	604	BCR	C7-C8-C9-C10
16	A	1110	CLA	C2A-CAA-CBA-CGA
16	y	506	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
16	a	1110	CLA	C2A-CAA-CBA-CGA
16	r	506	CLA	C2A-CAA-CBA-CGA
16	H	1110	CLA	C2A-CAA-CBA-CGA
16	B	1012	CLA	O1D-CGD-O2D-CED
16	b	1012	CLA	O1D-CGD-O2D-CED
16	G	1012	CLA	O1D-CGD-O2D-CED
16	A	1118	CLA	O1A-CGA-O2A-C1
16	B	1214	CLA	O1A-CGA-O2A-C1
16	W	507	CLA	O1A-CGA-O2A-C1
16	X	509	CLA	O1A-CGA-O2A-C1
16	X	517	CLA	O1A-CGA-O2A-C1
16	Y	507	CLA	O1A-CGA-O2A-C1
16	Z	509	CLA	O1A-CGA-O2A-C1
16	b	1214	CLA	O1A-CGA-O2A-C1
16	n	507	CLA	O1A-CGA-O2A-C1
16	p	507	CLA	O1A-CGA-O2A-C1
16	r	510	CLA	O1A-CGA-O2A-C1
16	h	510	CLA	O1A-CGA-O2A-C1
16	h	517	CLA	O1A-CGA-O2A-C1
16	G	1214	CLA	O1A-CGA-O2A-C1
16	t	507	CLA	O1A-CGA-O2A-C1
16	t	514	CLA	O1A-CGA-O2A-C1
16	w	509	CLA	O1A-CGA-O2A-C1
16	v	510	CLA	O1A-CGA-O2A-C1
16	v	517	CLA	O1A-CGA-O2A-C1
16	x	509	CLA	C3-C5-C6-C7
16	X	514	CLA	O1D-CGD-O2D-CED
16	Z	503	CLA	CBA-CGA-O2A-C1
16	q	503	CLA	CBA-CGA-O2A-C1
16	w	503	CLA	CBA-CGA-O2A-C1
16	B	1021	CLA	CBA-CGA-O2A-C1
16	X	506	CLA	CBA-CGA-O2A-C1
16	b	1021	CLA	CBA-CGA-O2A-C1
16	o	507	CLA	CBA-CGA-O2A-C1
16	G	1021	CLA	CBA-CGA-O2A-C1
16	t	504	CLA	CBA-CGA-O2A-C1
16	g	504	CLA	C10-C11-C12-C13
16	a	1118	CLA	O1A-CGA-O2A-C1
16	H	1118	CLA	O1A-CGA-O2A-C1
16	A	1132	CLA	O1D-CGD-O2D-CED
16	B	1222	CLA	O1D-CGD-O2D-CED
16	a	1132	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
16	b	1222	CLA	O1D-CGD-O2D-CED
16	H	1132	CLA	O1D-CGD-O2D-CED
16	G	1222	CLA	O1D-CGD-O2D-CED
16	w	508	CLA	O1D-CGD-O2D-CED
16	y	514	CLA	CBD-CGD-O2D-CED
16	Y	510	CLA	C15-C16-C17-C18
16	p	511	CLA	C8-C10-C11-C12
16	s	515	CLA	C8-C10-C11-C12
16	A	1137	CLA	O1D-CGD-O2D-CED
16	B	1226	CLA	C3-C5-C6-C7
16	b	1226	CLA	C3-C5-C6-C7
16	p	511	CLA	C3-C5-C6-C7
16	G	1226	CLA	C3-C5-C6-C7
16	s	511	CLA	C3-C5-C6-C7
16	a	1137	CLA	O1D-CGD-O2D-CED
16	H	1137	CLA	O1D-CGD-O2D-CED
16	v	515	CLA	O1D-CGD-O2D-CED
16	x	516	CLA	O1A-CGA-O2A-C1
16	v	503	CLA	O1A-CGA-O2A-C1
16	A	1103	CLA	C6-C7-C8-C10
16	A	1140	CLA	C6-C7-C8-C10
16	W	515	CLA	C6-C7-C8-C10
16	a	1103	CLA	C6-C7-C8-C10
16	a	1140	CLA	C6-C7-C8-C10
16	n	515	CLA	C6-C7-C8-C10
16	H	1103	CLA	C6-C7-C8-C10
16	H	1140	CLA	C6-C7-C8-C10
16	n	504	CLA	CBA-CGA-O2A-C1
16	x	509	CLA	CBA-CGA-O2A-C1
16	g	510	CLA	C4-C3-C5-C6
16	w	515	CLA	C13-C15-C16-C17
16	W	515	CLA	O1D-CGD-O2D-CED
13	I	103	LHG	C23-C24-C25-C26
13	i	103	LHG	C23-C24-C25-C26
13	R	103	LHG	C23-C24-C25-C26
14	a	852	LMG	C28-C29-C30-C31
19	B	4014	BCR	C19-C20-C21-C22
19	X	601	BCR	C19-C20-C21-C22
19	Z	603	BCR	C9-C10-C11-C12
19	g	601	BCR	C15-C16-C17-C18
19	y	604	BCR	C9-C10-C11-C12
19	b	4014	BCR	C19-C20-C21-C22

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Mol	Chain	Res	Type	Atoms
19	o	601	BCR	C19-C20-C21-C22
19	q	601	BCR	C19-C20-C21-C22
19	r	601	BCR	C15-C16-C17-C18
19	r	604	BCR	C9-C10-C11-C12
19	r	604	BCR	C13-C14-C15-C16
19	h	601	BCR	C15-C16-C17-C18
19	G	4014	BCR	C19-C20-C21-C22
19	u	601	BCR	C19-C20-C21-C22
19	u	604	BCR	C9-C10-C11-C12
19	w	601	BCR	C19-C20-C21-C22
19	w	603	BCR	C9-C10-C11-C12
19	v	604	BCR	C15-C16-C17-C18
16	B	1218	CLA	O1D-CGD-O2D-CED
16	b	1218	CLA	O1D-CGD-O2D-CED
16	q	501	CLA	O1D-CGD-O2D-CED
16	G	1218	CLA	O1D-CGD-O2D-CED
16	A	1124	CLA	C15-C16-C17-C18
16	L	1501	CLA	C15-C16-C17-C18
16	g	507	CLA	C15-C16-C17-C18
16	g	509	CLA	C8-C10-C11-C12
16	a	1124	CLA	C15-C16-C17-C18
16	l	1501	CLA	C15-C16-C17-C18
16	H	1124	CLA	C15-C16-C17-C18
16	U	1501	CLA	C15-C16-C17-C18
16	u	504	CLA	C8-C10-C11-C12
16	x	504	CLA	C10-C11-C12-C13
17	A	2001	PQN	C20-C21-C22-C23
17	a	2001	PQN	C20-C21-C22-C23
17	H	2001	PQN	C20-C21-C22-C23
16	Z	505	CLA	O1D-CGD-O2D-CED
14	A	852	LMG	C28-C29-C30-C31
14	H	852	LMG	C28-C29-C30-C31
16	A	1122	CLA	O1A-CGA-O2A-C1
16	W	502	CLA	O1A-CGA-O2A-C1
16	W	509	CLA	O1A-CGA-O2A-C1
16	X	507	CLA	O1A-CGA-O2A-C1
16	a	1122	CLA	O1A-CGA-O2A-C1
16	n	509	CLA	O1A-CGA-O2A-C1
16	n	511	CLA	O1A-CGA-O2A-C1
16	H	1122	CLA	O1A-CGA-O2A-C1
16	G	1211	CLA	O1A-CGA-O2A-C1
16	t	509	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
16	u	506	CLA	O1A-CGA-O2A-C1
16	r	509	CLA	CBD-CGD-O2D-CED
16	p	506	CLA	O1D-CGD-O2D-CED
16	r	516	CLA	O1D-CGD-O2D-CED
16	B	1202	CLA	C13-C15-C16-C17
16	B	1211	CLA	C13-C15-C16-C17
16	B	1225	CLA	C13-C15-C16-C17
16	B	1226	CLA	C8-C10-C11-C12
16	L	1502	CLA	C10-C11-C12-C13
16	X	504	CLA	C8-C10-C11-C12
16	Y	506	CLA	C8-C10-C11-C12
16	Y	507	CLA	C15-C16-C17-C18
16	b	1202	CLA	C13-C15-C16-C17
16	b	1211	CLA	C13-C15-C16-C17
16	b	1225	CLA	C13-C15-C16-C17
16	b	1226	CLA	C8-C10-C11-C12
16	l	1502	CLA	C10-C11-C12-C13
16	G	1202	CLA	C13-C15-C16-C17
16	G	1211	CLA	C13-C15-C16-C17
16	G	1225	CLA	C13-C15-C16-C17
16	G	1226	CLA	C8-C10-C11-C12
16	U	1502	CLA	C10-C11-C12-C13
16	s	505	CLA	C8-C10-C11-C12
16	s	506	CLA	C8-C10-C11-C12
16	w	507	CLA	C10-C11-C12-C13
16	v	511	CLA	C5-C6-C7-C8
17	A	2001	PQN	C18-C20-C21-C22
16	A	1119	CLA	C2A-CAA-CBA-CGA
16	A	1121	CLA	C2A-CAA-CBA-CGA
16	A	1127	CLA	C2A-CAA-CBA-CGA
16	A	1133	CLA	C2A-CAA-CBA-CGA
16	B	1201	CLA	C2A-CAA-CBA-CGA
16	B	1206	CLA	C2A-CAA-CBA-CGA
16	B	1216	CLA	C2A-CAA-CBA-CGA
16	W	501	CLA	C2A-CAA-CBA-CGA
16	Y	515	CLA	C2A-CAA-CBA-CGA
16	Z	515	CLA	C2A-CAA-CBA-CGA
16	g	511	CLA	C2A-CAA-CBA-CGA
16	y	505	CLA	C2A-CAA-CBA-CGA
16	a	1119	CLA	C2A-CAA-CBA-CGA
16	a	1121	CLA	C2A-CAA-CBA-CGA
16	a	1127	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
16	a	1133	CLA	C2A-CAA-CBA-CGA
16	b	1201	CLA	C2A-CAA-CBA-CGA
16	b	1206	CLA	C2A-CAA-CBA-CGA
16	b	1216	CLA	C2A-CAA-CBA-CGA
16	k	1401	CLA	C2A-CAA-CBA-CGA
16	n	501	CLA	C2A-CAA-CBA-CGA
16	o	502	CLA	C2A-CAA-CBA-CGA
16	o	513	CLA	C2A-CAA-CBA-CGA
16	p	515	CLA	C2A-CAA-CBA-CGA
16	q	513	CLA	C2A-CAA-CBA-CGA
16	H	1119	CLA	C2A-CAA-CBA-CGA
16	H	1121	CLA	C2A-CAA-CBA-CGA
16	H	1127	CLA	C2A-CAA-CBA-CGA
16	H	1133	CLA	C2A-CAA-CBA-CGA
16	G	1201	CLA	C2A-CAA-CBA-CGA
16	G	1206	CLA	C2A-CAA-CBA-CGA
16	G	1216	CLA	C2A-CAA-CBA-CGA
16	t	501	CLA	C2A-CAA-CBA-CGA
16	u	513	CLA	C2A-CAA-CBA-CGA
16	u	515	CLA	C2A-CAA-CBA-CGA
16	s	515	CLA	C2A-CAA-CBA-CGA
16	w	513	CLA	C2A-CAA-CBA-CGA
16	K	1401	CLA	C2A-CAA-CBA-CGA
16	T	1401	CLA	C2A-CAA-CBA-CGA
19	B	4017	BCR	C10-C11-C12-C13
19	X	604	BCR	C18-C19-C20-C21
19	Z	604	BCR	C18-C19-C20-C21
19	y	602	BCR	C10-C11-C12-C13
19	b	4017	BCR	C10-C11-C12-C13
19	o	602	BCR	C10-C11-C12-C13
19	h	604	BCR	C10-C11-C12-C13
19	G	4017	BCR	C10-C11-C12-C13
19	s	604	BCR	C10-C11-C12-C13
16	A	1119	CLA	C13-C15-C16-C17
16	B	1021	CLA	C8-C10-C11-C12
16	B	1021	CLA	C13-C15-C16-C17
16	B	1221	CLA	C10-C11-C12-C13
16	B	1236	CLA	C10-C11-C12-C13
16	W	506	CLA	C8-C10-C11-C12
16	Y	504	CLA	C10-C11-C12-C13
16	Z	504	CLA	C10-C11-C12-C13
16	Z	515	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
16	a	1119	CLA	C13-C15-C16-C17
16	a	1125	CLA	C10-C11-C12-C13
16	b	1021	CLA	C8-C10-C11-C12
16	b	1021	CLA	C13-C15-C16-C17
16	b	1221	CLA	C10-C11-C12-C13
16	b	1236	CLA	C10-C11-C12-C13
16	n	504	CLA	C8-C10-C11-C12
16	p	507	CLA	C15-C16-C17-C18
16	p	510	CLA	C15-C16-C17-C18
16	q	507	CLA	C8-C10-C11-C12
16	r	504	CLA	C10-C11-C12-C13
16	H	1119	CLA	C13-C15-C16-C17
16	G	1021	CLA	C8-C10-C11-C12
16	G	1021	CLA	C13-C15-C16-C17
16	G	1236	CLA	C10-C11-C12-C13
16	t	515	CLA	C5-C6-C7-C8
16	u	505	CLA	C5-C6-C7-C8
16	u	507	CLA	C10-C11-C12-C13
16	u	510	CLA	C15-C16-C17-C18
16	s	504	CLA	C10-C11-C12-C13
16	s	507	CLA	C8-C10-C11-C12
16	x	515	CLA	C5-C6-C7-C8
16	v	504	CLA	C10-C11-C12-C13
17	B	2002	PQN	C23-C25-C26-C27
17	a	2001	PQN	C18-C20-C21-C22
17	b	2002	PQN	C23-C25-C26-C27
17	H	2001	PQN	C18-C20-C21-C22
17	G	2002	PQN	C23-C25-C26-C27
16	x	516	CLA	O1D-CGD-O2D-CED
16	A	1102	CLA	O1A-CGA-O2A-C1
16	A	1128	CLA	O1A-CGA-O2A-C1
16	B	1211	CLA	O1A-CGA-O2A-C1
16	a	1102	CLA	O1A-CGA-O2A-C1
16	a	1128	CLA	O1A-CGA-O2A-C1
16	b	1211	CLA	O1A-CGA-O2A-C1
16	n	502	CLA	O1A-CGA-O2A-C1
16	q	517	CLA	O1A-CGA-O2A-C1
16	H	1102	CLA	O1A-CGA-O2A-C1
16	t	506	CLA	O1A-CGA-O2A-C1
16	Y	511	CLA	C3-C5-C6-C7
16	r	509	CLA	C3-C5-C6-C7
16	t	509	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
16	w	517	CLA	C3-C5-C6-C7
16	y	508	CLA	CBD-CGD-O2D-CED
19	W	601	BCR	C22-C23-C24-C25
19	g	602	BCR	C22-C23-C24-C25
19	n	601	BCR	C6-C7-C8-C9
19	o	603	BCR	C6-C7-C8-C9
19	p	604	BCR	C22-C23-C24-C25
19	r	602	BCR	C6-C7-C8-C9
19	w	603	BCR	C6-C7-C8-C9
16	A	1120	CLA	O1D-CGD-O2D-CED
16	a	1120	CLA	O1D-CGD-O2D-CED
16	A	1103	CLA	C10-C11-C12-C13
16	A	1106	CLA	C13-C15-C16-C17
16	A	1125	CLA	C10-C11-C12-C13
16	A	1128	CLA	C15-C16-C17-C18
16	A	1131	CLA	C13-C15-C16-C17
16	B	1203	CLA	C10-C11-C12-C13
16	X	504	CLA	C10-C11-C12-C13
16	X	505	CLA	C5-C6-C7-C8
16	X	507	CLA	C10-C11-C12-C13
16	Y	507	CLA	C8-C10-C11-C12
16	g	507	CLA	C5-C6-C7-C8
16	g	515	CLA	C15-C16-C17-C18
16	a	1103	CLA	C10-C11-C12-C13
16	a	1106	CLA	C13-C15-C16-C17
16	a	1128	CLA	C15-C16-C17-C18
16	a	1131	CLA	C13-C15-C16-C17
16	b	1203	CLA	C10-C11-C12-C13
16	o	504	CLA	C8-C10-C11-C12
16	o	505	CLA	C5-C6-C7-C8
16	p	506	CLA	C8-C10-C11-C12
16	p	509	CLA	C10-C11-C12-C13
16	p	511	CLA	C10-C11-C12-C13
16	p	515	CLA	C5-C6-C7-C8
16	p	515	CLA	C8-C10-C11-C12
16	q	515	CLA	C13-C15-C16-C17
16	h	504	CLA	C10-C11-C12-C13
16	H	1103	CLA	C10-C11-C12-C13
16	H	1106	CLA	C13-C15-C16-C17
16	H	1125	CLA	C10-C11-C12-C13
16	H	1128	CLA	C15-C16-C17-C18
16	H	1131	CLA	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
16	G	1221	CLA	C10-C11-C12-C13
16	u	504	CLA	C5-C6-C7-C8
16	s	507	CLA	C15-C16-C17-C18
16	s	510	CLA	C15-C16-C17-C18
16	x	509	CLA	C8-C10-C11-C12
16	H	1120	CLA	O1D-CGD-O2D-CED
16	Y	504	CLA	CBA-CGA-O2A-C1
16	u	507	CLA	CBA-CGA-O2A-C1
16	s	510	CLA	CBA-CGA-O2A-C1
16	g	501	CLA	CBD-CGD-O2D-CED
16	W	511	CLA	O1A-CGA-O2A-C1
16	X	505	CLA	O1A-CGA-O2A-C1
16	Y	514	CLA	O1A-CGA-O2A-C1
16	o	506	CLA	O1A-CGA-O2A-C1
16	p	509	CLA	O1A-CGA-O2A-C1
16	H	1128	CLA	O1A-CGA-O2A-C1
16	t	511	CLA	O1A-CGA-O2A-C1
16	B	1236	CLA	C5-C6-C7-C8
16	W	506	CLA	C10-C11-C12-C13
16	W	511	CLA	C10-C11-C12-C13
16	X	510	CLA	C15-C16-C17-C18
16	Z	507	CLA	C10-C11-C12-C13
16	y	504	CLA	C10-C11-C12-C13
16	y	511	CLA	C5-C6-C7-C8
16	y	511	CLA	C10-C11-C12-C13
16	b	1236	CLA	C5-C6-C7-C8
16	o	507	CLA	C10-C11-C12-C13
16	o	509	CLA	C10-C11-C12-C13
16	q	507	CLA	C10-C11-C12-C13
16	h	511	CLA	C5-C6-C7-C8
16	G	1203	CLA	C10-C11-C12-C13
16	G	1236	CLA	C5-C6-C7-C8
16	A	1119	CLA	O1D-CGD-O2D-CED
16	a	1119	CLA	O1D-CGD-O2D-CED
16	H	1119	CLA	O1D-CGD-O2D-CED
16	r	507	CLA	C3-C5-C6-C7
16	A	1113	CLA	O1D-CGD-O2D-CED
16	B	1229	CLA	O1D-CGD-O2D-CED
16	a	1113	CLA	O1D-CGD-O2D-CED
16	b	1229	CLA	O1D-CGD-O2D-CED
16	q	515	CLA	O1D-CGD-O2D-CED
16	H	1113	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
16	G	1214	CLA	O1D-CGD-O2D-CED
16	G	1229	CLA	O1D-CGD-O2D-CED
16	u	504	CLA	O1D-CGD-O2D-CED
16	A	1104	CLA	C8-C10-C11-C12
16	B	1023	CLA	C10-C11-C12-C13
16	B	1215	CLA	C5-C6-C7-C8
16	W	504	CLA	C8-C10-C11-C12
16	X	509	CLA	C10-C11-C12-C13
16	Y	510	CLA	C8-C10-C11-C12
16	Y	515	CLA	C5-C6-C7-C8
16	a	1104	CLA	C8-C10-C11-C12
16	b	1023	CLA	C10-C11-C12-C13
16	b	1215	CLA	C5-C6-C7-C8
16	p	505	CLA	C5-C6-C7-C8
16	p	505	CLA	C8-C10-C11-C12
16	q	504	CLA	C10-C11-C12-C13
16	r	511	CLA	C13-C15-C16-C17
16	r	515	CLA	C5-C6-C7-C8
16	H	1104	CLA	C8-C10-C11-C12
16	G	1023	CLA	C10-C11-C12-C13
16	G	1215	CLA	C5-C6-C7-C8
16	t	504	CLA	C8-C10-C11-C12
16	s	511	CLA	C10-C11-C12-C13
16	s	515	CLA	C5-C6-C7-C8
16	w	504	CLA	C10-C11-C12-C13
17	A	2001	PQN	C23-C25-C26-C27
17	a	2001	PQN	C23-C25-C26-C27
17	H	2001	PQN	C23-C25-C26-C27
16	A	1140	CLA	CBD-CGD-O2D-CED
16	a	1140	CLA	CBD-CGD-O2D-CED
16	H	1140	CLA	CBD-CGD-O2D-CED
16	r	510	CLA	C4-C3-C5-C6
16	X	506	CLA	O1A-CGA-O2A-C1
16	n	504	CLA	O1A-CGA-O2A-C1
16	o	507	CLA	O1A-CGA-O2A-C1
16	t	504	CLA	O1A-CGA-O2A-C1
16	B	1214	CLA	O1D-CGD-O2D-CED
16	b	1214	CLA	O1D-CGD-O2D-CED
16	u	502	CLA	O1D-CGD-O2D-CED
16	s	506	CLA	O1D-CGD-O2D-CED
16	Y	511	CLA	C10-C11-C12-C13
16	Z	511	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
16	g	507	CLA	C10-C11-C12-C13
16	g	515	CLA	C5-C6-C7-C8
16	y	511	CLA	C15-C16-C17-C18
16	o	504	CLA	C5-C6-C7-C8
16	p	504	CLA	C10-C11-C12-C13
16	r	507	CLA	C5-C6-C7-C8
16	r	507	CLA	C15-C16-C17-C18
16	u	504	CLA	C10-C11-C12-C13
16	u	509	CLA	C10-C11-C12-C13
16	v	511	CLA	C15-C16-C17-C18
16	B	1203	CLA	CBA-CGA-O2A-C1
16	L	1501	CLA	CBA-CGA-O2A-C1
16	Z	506	CLA	CBA-CGA-O2A-C1
16	b	1203	CLA	CBA-CGA-O2A-C1
16	G	1203	CLA	CBA-CGA-O2A-C1
16	U	1501	CLA	CBA-CGA-O2A-C1
16	u	505	CLA	CBA-CGA-O2A-C1
16	x	515	CLA	CBA-CGA-O2A-C1
16	u	514	CLA	CBD-CGD-O2D-CED
16	r	503	CLA	CBA-CGA-O2A-C1
16	A	1237	CLA	C15-C16-C17-C18
16	a	1237	CLA	C15-C16-C17-C18
16	H	1237	CLA	C15-C16-C17-C18
16	t	515	CLA	C10-C11-C12-C13
16	A	1106	CLA	C3-C5-C6-C7
16	B	1213	CLA	C3-C5-C6-C7
16	a	1106	CLA	C3-C5-C6-C7
16	b	1213	CLA	C3-C5-C6-C7
16	H	1106	CLA	C3-C5-C6-C7
16	G	1210	CLA	C3-C5-C6-C7
16	G	1213	CLA	C3-C5-C6-C7
16	t	508	CLA	C3-C5-C6-C7
16	x	507	CLA	C3-C5-C6-C7
19	X	604	BCR	C9-C10-C11-C12
19	v	601	BCR	C9-C10-C11-C12
16	a	1133	CLA	O1D-CGD-O2D-CED
16	y	505	CLA	C8-C10-C11-C12
16	o	510	CLA	C15-C16-C17-C18
16	p	510	CLA	C8-C10-C11-C12
14	A	4101	LMG	O9-C10-O7-C8
14	a	4101	LMG	O9-C10-O7-C8
14	H	4101	LMG	O9-C10-O7-C8

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Mol	Chain	Res	Type	Atoms
16	A	1129	CLA	C2A-CAA-CBA-CGA
16	B	1012	CLA	C2A-CAA-CBA-CGA
16	B	1218	CLA	C2A-CAA-CBA-CGA
16	W	508	CLA	C2A-CAA-CBA-CGA
16	y	504	CLA	C2A-CAA-CBA-CGA
16	a	1129	CLA	C2A-CAA-CBA-CGA
16	b	1012	CLA	C2A-CAA-CBA-CGA
16	b	1218	CLA	C2A-CAA-CBA-CGA
16	n	508	CLA	C2A-CAA-CBA-CGA
16	n	515	CLA	C2A-CAA-CBA-CGA
16	h	504	CLA	C2A-CAA-CBA-CGA
16	H	1129	CLA	C2A-CAA-CBA-CGA
16	G	1012	CLA	C2A-CAA-CBA-CGA
16	G	1218	CLA	C2A-CAA-CBA-CGA
16	t	508	CLA	C2A-CAA-CBA-CGA
16	w	515	CLA	C2A-CAA-CBA-CGA
16	x	502	CLA	C2A-CAA-CBA-CGA
16	A	1133	CLA	O1D-CGD-O2D-CED
16	H	1133	CLA	O1D-CGD-O2D-CED
16	B	1239	CLA	CBA-CGA-O2A-C1
16	g	509	CLA	CBA-CGA-O2A-C1
16	b	1239	CLA	CBA-CGA-O2A-C1
16	l	1501	CLA	CBA-CGA-O2A-C1
16	p	504	CLA	CBA-CGA-O2A-C1
16	r	506	CLA	CBA-CGA-O2A-C1
16	r	509	CLA	CBA-CGA-O2A-C1
16	h	506	CLA	CBA-CGA-O2A-C1
16	G	1239	CLA	CBA-CGA-O2A-C1
16	w	506	CLA	CBA-CGA-O2A-C1
16	A	1013	CLA	C13-C15-C16-C17
16	A	1123	CLA	C5-C6-C7-C8
16	Y	509	CLA	C10-C11-C12-C13
16	g	507	CLA	C13-C15-C16-C17
16	g	515	CLA	C13-C15-C16-C17
16	a	1013	CLA	C13-C15-C16-C17
16	a	1123	CLA	C5-C6-C7-C8
16	n	511	CLA	C10-C11-C12-C13
16	p	507	CLA	C10-C11-C12-C13
16	h	511	CLA	C10-C11-C12-C13
16	H	1013	CLA	C13-C15-C16-C17
16	H	1123	CLA	C5-C6-C7-C8
16	s	511	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
16	w	506	CLA	C5-C6-C7-C8
16	x	507	CLA	C5-C6-C7-C8
16	x	511	CLA	C13-C15-C16-C17
16	v	505	CLA	C8-C10-C11-C12
16	A	1013	CLA	C8-C10-C11-C12
16	A	1013	CLA	C10-C11-C12-C13
16	B	1012	CLA	C10-C11-C12-C13
16	a	1013	CLA	C8-C10-C11-C12
16	a	1013	CLA	C10-C11-C12-C13
16	a	1122	CLA	C8-C10-C11-C12
16	b	1012	CLA	C10-C11-C12-C13
16	b	1238	CLA	C13-C15-C16-C17
16	r	509	CLA	C8-C10-C11-C12
16	H	1013	CLA	C8-C10-C11-C12
16	H	1013	CLA	C10-C11-C12-C13
16	G	1012	CLA	C10-C11-C12-C13
16	A	1122	CLA	C8-C10-C11-C12
16	B	1238	CLA	C13-C15-C16-C17
16	W	505	CLA	C13-C15-C16-C17
16	g	511	CLA	C13-C15-C16-C17
16	o	504	CLA	C10-C11-C12-C13
16	p	504	CLA	C8-C10-C11-C12
16	p	507	CLA	C13-C15-C16-C17
16	p	511	CLA	C5-C6-C7-C8
16	h	505	CLA	C8-C10-C11-C12
16	H	1122	CLA	C8-C10-C11-C12
16	G	1238	CLA	C13-C15-C16-C17
16	t	505	CLA	C15-C16-C17-C18
16	t	511	CLA	C10-C11-C12-C13
16	B	1229	CLA	CBA-CGA-O2A-C1
16	b	1229	CLA	CBA-CGA-O2A-C1
16	G	1229	CLA	CBA-CGA-O2A-C1
16	s	504	CLA	CBA-CGA-O2A-C1
16	y	505	CLA	C4-C3-C5-C6
16	v	505	CLA	C4-C3-C5-C6
16	x	515	CLA	C2-C3-C5-C6
16	Z	512	CLA	O1D-CGD-O2D-CED
16	h	503	CLA	O1A-CGA-O2A-C1
16	B	1012	CLA	C8-C10-C11-C12
16	Y	511	CLA	C5-C6-C7-C8
16	b	1012	CLA	C8-C10-C11-C12
16	h	511	CLA	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
16	G	1012	CLA	C8-C10-C11-C12
16	v	509	CLA	C10-C11-C12-C13
16	B	1210	CLA	C3-C5-C6-C7
16	b	1210	CLA	C3-C5-C6-C7
16	q	508	CLA	C3-C5-C6-C7
16	q	504	CLA	CBD-CGD-O2D-CED
16	h	505	CLA	O1D-CGD-O2D-CED
16	u	505	CLA	O1D-CGD-O2D-CED
16	A	1022	CLA	C5-C6-C7-C8
16	a	1022	CLA	C5-C6-C7-C8
16	G	1221	CLA	C13-C15-C16-C17
16	p	510	CLA	O1D-CGD-O2D-CED
16	W	504	CLA	CBA-CGA-O2A-C1
16	v	506	CLA	CBA-CGA-O2A-C1
16	W	517	CLA	C6-C7-C8-C9
16	B	1221	CLA	C13-C15-C16-C17
16	b	1221	CLA	C13-C15-C16-C17
16	H	1022	CLA	C5-C6-C7-C8
16	B	1021	CLA	O1A-CGA-O2A-C1
16	b	1021	CLA	O1A-CGA-O2A-C1
16	G	1021	CLA	O1A-CGA-O2A-C1
19	A	4008	BCR	C16-C17-C18-C36
19	A	4011	BCR	C35-C13-C14-C15
19	B	4006	BCR	C20-C21-C22-C37
19	B	4010	BCR	C35-C13-C14-C15
19	B	4014	BCR	C35-C13-C14-C15
19	B	4017	BCR	C11-C10-C9-C34
19	I	4018	BCR	C16-C17-C18-C36
19	I	4020	BCR	C20-C21-C22-C37
19	J	4012	BCR	C20-C21-C22-C37
19	J	4013	BCR	C20-C21-C22-C37
19	L	4019	BCR	C20-C21-C22-C37
19	M	4021	BCR	C20-C21-C22-C37
19	X	602	BCR	C20-C21-C22-C37
19	Y	602	BCR	C20-C21-C22-C37
19	Y	604	BCR	C20-C21-C22-C37
19	Z	601	BCR	C20-C21-C22-C37
19	Z	602	BCR	C20-C21-C22-C37
19	Z	603	BCR	C20-C21-C22-C37
19	Z	604	BCR	C16-C17-C18-C36
19	g	601	BCR	C16-C17-C18-C36
19	y	602	BCR	C20-C21-C22-C37

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Mol	Chain	Res	Type	Atoms
19	y	604	BCR	C20-C21-C22-C37
19	a	4008	BCR	C16-C17-C18-C36
19	a	4011	BCR	C35-C13-C14-C15
19	b	4006	BCR	C20-C21-C22-C37
19	b	4010	BCR	C35-C13-C14-C15
19	b	4014	BCR	C35-C13-C14-C15
19	b	4017	BCR	C11-C10-C9-C34
19	i	4018	BCR	C16-C17-C18-C36
19	i	4020	BCR	C20-C21-C22-C37
19	l	4019	BCR	C20-C21-C22-C37
19	m	4021	BCR	C20-C21-C22-C37
19	n	601	BCR	C16-C17-C18-C36
19	o	602	BCR	C20-C21-C22-C37
19	o	603	BCR	C20-C21-C22-C37
19	p	601	BCR	C16-C17-C18-C36
19	p	602	BCR	C20-C21-C22-C37
19	p	604	BCR	C20-C21-C22-C37
19	q	602	BCR	C20-C21-C22-C37
19	q	604	BCR	C16-C17-C18-C36
19	h	603	BCR	C20-C21-C22-C37
19	H	4008	BCR	C16-C17-C18-C36
19	H	4011	BCR	C35-C13-C14-C15
19	G	4006	BCR	C20-C21-C22-C37
19	G	4010	BCR	C35-C13-C14-C15
19	G	4014	BCR	C35-C13-C14-C15
19	G	4017	BCR	C11-C10-C9-C34
19	R	4018	BCR	C16-C17-C18-C36
19	R	4020	BCR	C20-C21-C22-C37
19	U	4019	BCR	C20-C21-C22-C37
19	V	4021	BCR	C20-C21-C22-C37
19	u	602	BCR	C20-C21-C22-C37
19	u	603	BCR	C20-C21-C22-C37
19	w	602	BCR	C20-C21-C22-C37
19	w	604	BCR	C16-C17-C18-C36
19	v	603	BCR	C20-C21-C22-C37
19	v	604	BCR	C20-C21-C22-C37
19	j	4012	BCR	C20-C21-C22-C37
19	j	4013	BCR	C20-C21-C22-C37
19	S	4012	BCR	C20-C21-C22-C37
19	S	4013	BCR	C20-C21-C22-C37
16	x	517	CLA	C3-C5-C6-C7
16	Y	505	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
16	Z	506	CLA	C5-C6-C7-C8
16	a	1117	CLA	C13-C15-C16-C17
16	H	1117	CLA	C13-C15-C16-C17
19	B	4005	BCR	C37-C22-C23-C24
19	J	4013	BCR	C11-C12-C13-C35
19	Y	601	BCR	C36-C18-C19-C20
19	Z	602	BCR	C7-C8-C9-C34
19	g	603	BCR	C7-C8-C9-C34
19	y	601	BCR	C37-C22-C23-C24
19	y	602	BCR	C7-C8-C9-C34
19	y	604	BCR	C37-C22-C23-C24
19	b	4005	BCR	C37-C22-C23-C24
19	b	4010	BCR	C11-C12-C13-C35
19	o	602	BCR	C7-C8-C9-C34
19	o	604	BCR	C11-C12-C13-C35
19	p	601	BCR	C36-C18-C19-C20
19	q	604	BCR	C7-C8-C9-C34
19	r	603	BCR	C7-C8-C9-C34
19	G	4005	BCR	C37-C22-C23-C24
19	G	4010	BCR	C11-C12-C13-C35
19	u	602	BCR	C7-C8-C9-C34
19	u	603	BCR	C11-C12-C13-C35
19	w	602	BCR	C7-C8-C9-C34
19	x	601	BCR	C37-C22-C23-C24
19	v	602	BCR	C36-C18-C19-C20
19	v	604	BCR	C7-C8-C9-C34
19	j	4013	BCR	C11-C12-C13-C35
19	S	4013	BCR	C11-C12-C13-C35
19	A	4001	BCR	C7-C8-C9-C10
19	A	4011	BCR	C21-C22-C23-C24
19	B	4009	BCR	C21-C22-C23-C24
19	X	602	BCR	C7-C8-C9-C10
19	X	603	BCR	C7-C8-C9-C10
19	y	601	BCR	C7-C8-C9-C10
19	y	604	BCR	C7-C8-C9-C10
19	a	4001	BCR	C7-C8-C9-C10
19	a	4011	BCR	C21-C22-C23-C24
19	b	4009	BCR	C21-C22-C23-C24
19	k	1501	BCR	C7-C8-C9-C10
19	o	602	BCR	C7-C8-C9-C10
19	o	603	BCR	C7-C8-C9-C10
19	r	602	BCR	C21-C22-C23-C24

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Mol	Chain	Res	Type	Atoms
19	H	4001	BCR	C7-C8-C9-C10
19	H	4011	BCR	C21-C22-C23-C24
19	G	4009	BCR	C21-C22-C23-C24
19	u	602	BCR	C7-C8-C9-C10
19	u	603	BCR	C7-C8-C9-C10
19	v	601	BCR	C7-C8-C9-C10
19	K	1501	BCR	C7-C8-C9-C10
19	T	1501	BCR	C7-C8-C9-C10
16	B	1203	CLA	O1A-CGA-O2A-C1
16	L	1501	CLA	O1A-CGA-O2A-C1
16	b	1203	CLA	O1A-CGA-O2A-C1
16	l	1501	CLA	O1A-CGA-O2A-C1
16	r	506	CLA	O1A-CGA-O2A-C1
16	G	1203	CLA	O1A-CGA-O2A-C1
16	U	1501	CLA	O1A-CGA-O2A-C1
16	x	509	CLA	O1A-CGA-O2A-C1
16	x	515	CLA	O1A-CGA-O2A-C1
16	A	1108	CLA	C2A-CAA-CBA-CGA
16	B	1214	CLA	C2A-CAA-CBA-CGA
16	W	503	CLA	C2A-CAA-CBA-CGA
16	W	515	CLA	C2A-CAA-CBA-CGA
16	X	505	CLA	C2A-CAA-CBA-CGA
16	X	515	CLA	C2A-CAA-CBA-CGA
16	a	1108	CLA	C2A-CAA-CBA-CGA
16	b	1214	CLA	C2A-CAA-CBA-CGA
16	n	503	CLA	C2A-CAA-CBA-CGA
16	q	515	CLA	C2A-CAA-CBA-CGA
16	h	501	CLA	C2A-CAA-CBA-CGA
16	H	1108	CLA	C2A-CAA-CBA-CGA
16	G	1214	CLA	C2A-CAA-CBA-CGA
16	t	503	CLA	C2A-CAA-CBA-CGA
16	t	515	CLA	C2A-CAA-CBA-CGA
16	u	505	CLA	C2A-CAA-CBA-CGA
16	w	504	CLA	C2A-CAA-CBA-CGA
16	v	501	CLA	C2A-CAA-CBA-CGA
16	g	503	CLA	CBA-CGA-O2A-C1
16	A	1117	CLA	C13-C15-C16-C17
16	G	1203	CLA	C5-C6-C7-C8
16	s	504	CLA	C8-C10-C11-C12
13	A	849	LHG	O1-C1-C2-C3
13	I	103	LHG	O1-C1-C2-C3
13	a	849	LHG	O1-C1-C2-C3

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Mol	Chain	Res	Type	Atoms
13	i	103	LHG	O1-C1-C2-C3
13	H	849	LHG	O1-C1-C2-C3
13	R	103	LHG	O1-C1-C2-C3
16	A	1101	CLA	O1D-CGD-O2D-CED
16	A	1106	CLA	O1D-CGD-O2D-CED
16	B	1227	CLA	O1D-CGD-O2D-CED
16	a	1106	CLA	O1D-CGD-O2D-CED
16	n	501	CLA	O1D-CGD-O2D-CED
16	q	512	CLA	O1D-CGD-O2D-CED
16	H	1101	CLA	O1D-CGD-O2D-CED
16	H	1106	CLA	O1D-CGD-O2D-CED
19	g	601	BCR	C19-C20-C21-C22
19	p	602	BCR	C9-C10-C11-C12
19	h	601	BCR	C9-C10-C11-C12
16	A	1117	CLA	C16-C17-C18-C19
16	A	1117	CLA	C16-C17-C18-C20
16	X	504	CLA	C11-C12-C13-C15
16	Y	506	CLA	C11-C12-C13-C15
16	Y	509	CLA	C11-C12-C13-C14
16	a	1117	CLA	C16-C17-C18-C19
16	a	1117	CLA	C16-C17-C18-C20
16	n	506	CLA	C11-C12-C13-C14
16	p	509	CLA	C11-C12-C13-C15
16	H	1117	CLA	C16-C17-C18-C19
16	H	1117	CLA	C16-C17-C18-C20
16	t	506	CLA	C11-C12-C13-C14
16	t	517	CLA	C6-C7-C8-C9
16	u	508	CLA	C6-C7-C8-C10
16	s	509	CLA	C11-C12-C13-C15
16	x	506	CLA	C11-C12-C13-C15
16	B	1201	CLA	O1D-CGD-O2D-CED
16	W	505	CLA	O1D-CGD-O2D-CED
16	a	1101	CLA	O1D-CGD-O2D-CED
16	b	1201	CLA	O1D-CGD-O2D-CED
16	b	1227	CLA	O1D-CGD-O2D-CED
16	G	1201	CLA	O1D-CGD-O2D-CED
16	G	1227	CLA	O1D-CGD-O2D-CED
16	Y	504	CLA	O1A-CGA-O2A-C1
16	u	507	CLA	O1A-CGA-O2A-C1
16	s	510	CLA	O1A-CGA-O2A-C1
16	L	1501	CLA	C3-C5-C6-C7
16	W	504	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
16	W	509	CLA	C3-C5-C6-C7
16	l	1501	CLA	C3-C5-C6-C7
16	r	508	CLA	C3-C5-C6-C7
16	r	517	CLA	C3-C5-C6-C7
16	U	1501	CLA	C3-C5-C6-C7
16	w	508	CLA	C3-C5-C6-C7
16	B	1203	CLA	C5-C6-C7-C8
16	Y	505	CLA	C8-C10-C11-C12
16	b	1203	CLA	C5-C6-C7-C8
19	A	4001	BCR	C12-C13-C14-C15
19	A	4002	BCR	C20-C21-C22-C23
19	A	4003	BCR	C11-C10-C9-C8
19	A	4003	BCR	C12-C13-C14-C15
19	B	4014	BCR	C20-C21-C22-C23
19	I	4018	BCR	C20-C21-C22-C23
19	J	4015	BCR	C11-C10-C9-C8
19	W	601	BCR	C12-C13-C14-C15
19	W	601	BCR	C16-C17-C18-C19
19	X	603	BCR	C20-C21-C22-C23
19	Y	601	BCR	C16-C17-C18-C19
19	Z	604	BCR	C20-C21-C22-C23
19	g	601	BCR	C11-C10-C9-C8
19	g	602	BCR	C12-C13-C14-C15
19	y	601	BCR	C11-C10-C9-C8
19	a	4001	BCR	C12-C13-C14-C15
19	a	4002	BCR	C20-C21-C22-C23
19	a	4003	BCR	C11-C10-C9-C8
19	a	4003	BCR	C12-C13-C14-C15
19	b	4014	BCR	C20-C21-C22-C23
19	i	4018	BCR	C20-C21-C22-C23
19	k	1501	BCR	C11-C10-C9-C8
19	n	601	BCR	C12-C13-C14-C15
19	r	601	BCR	C12-C13-C14-C15
19	h	601	BCR	C11-C10-C9-C8
19	h	603	BCR	C20-C21-C22-C23
19	H	4001	BCR	C12-C13-C14-C15
19	H	4002	BCR	C20-C21-C22-C23
19	H	4003	BCR	C11-C10-C9-C8
19	H	4003	BCR	C12-C13-C14-C15
19	G	4014	BCR	C20-C21-C22-C23
19	R	4018	BCR	C20-C21-C22-C23
19	t	601	BCR	C16-C17-C18-C19

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Mol	Chain	Res	Type	Atoms
19	s	601	BCR	C16-C17-C18-C19
19	x	601	BCR	C12-C13-C14-C15
19	x	603	BCR	C12-C13-C14-C15
19	v	601	BCR	C11-C10-C9-C8
19	v	603	BCR	C20-C21-C22-C23
19	j	4015	BCR	C11-C10-C9-C8
19	S	4015	BCR	C11-C10-C9-C8
19	K	1501	BCR	C11-C10-C9-C8
19	T	1501	BCR	C11-C10-C9-C8
20	L	4101	LMT	O1'-C1-C2-C3
20	l	4101	LMT	O1'-C1-C2-C3
20	U	4101	LMT	O1'-C1-C2-C3
14	A	852	LMG	C11-C10-O7-C8
14	a	852	LMG	C11-C10-O7-C8
14	H	852	LMG	C11-C10-O7-C8
16	g	510	CLA	C2-C3-C5-C6
16	v	509	CLA	O1D-CGD-O2D-CED
16	r	509	CLA	O1A-CGA-O2A-C1
16	r	503	CLA	O1D-CGD-O2D-CED
16	q	506	CLA	CBA-CGA-O2A-C1
16	W	505	CLA	C10-C11-C12-C13
16	W	509	CLA	C10-C11-C12-C13
16	A	1103	CLA	C2-C1-O2A-CGA
16	g	501	CLA	C2-C1-O2A-CGA
16	a	1103	CLA	C2-C1-O2A-CGA
16	H	1103	CLA	C2-C1-O2A-CGA
16	s	501	CLA	C2-C1-O2A-CGA
16	A	1124	CLA	C16-C17-C18-C19
16	W	506	CLA	C11-C12-C13-C14
16	a	1124	CLA	C16-C17-C18-C19
16	n	506	CLA	C11-C12-C13-C15
16	p	506	CLA	C11-C12-C13-C14
16	p	509	CLA	C11-C12-C13-C14
16	H	1124	CLA	C16-C17-C18-C19
16	t	506	CLA	C11-C12-C13-C15
16	t	508	CLA	C6-C7-C8-C10
16	t	517	CLA	C6-C7-C8-C10
16	u	508	CLA	C6-C7-C8-C9
16	s	509	CLA	C11-C12-C13-C14
16	B	1239	CLA	O1A-CGA-O2A-C1
16	b	1239	CLA	O1A-CGA-O2A-C1
16	G	1239	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
16	p	515	CLA	C15-C16-C17-C18
16	q	511	CLA	C10-C11-C12-C13
16	B	1210	CLA	O1D-CGD-O2D-CED
16	G	1210	CLA	O1D-CGD-O2D-CED
14	a	852	LMG	C29-C30-C31-C32
16	x	503	CLA	CBA-CGA-O2A-C1
19	J	4015	BCR	C14-C15-C16-C17
19	q	604	BCR	C14-C15-C16-C17
19	h	604	BCR	C14-C15-C16-C17
19	w	604	BCR	C14-C15-C16-C17
19	j	4015	BCR	C14-C15-C16-C17
19	S	4015	BCR	C14-C15-C16-C17
14	A	852	LMG	C29-C30-C31-C32
14	H	852	LMG	C29-C30-C31-C32
16	A	1126	CLA	O1D-CGD-O2D-CED
16	B	1207	CLA	O1D-CGD-O2D-CED
16	B	1230	CLA	O1D-CGD-O2D-CED
16	a	1126	CLA	O1D-CGD-O2D-CED
16	b	1207	CLA	O1D-CGD-O2D-CED
16	b	1210	CLA	O1D-CGD-O2D-CED
16	b	1230	CLA	O1D-CGD-O2D-CED
16	H	1126	CLA	O1D-CGD-O2D-CED
16	G	1207	CLA	O1D-CGD-O2D-CED
16	G	1230	CLA	O1D-CGD-O2D-CED
16	A	1104	CLA	C15-C16-C17-C18
16	a	1104	CLA	C15-C16-C17-C18
16	p	511	CLA	C13-C15-C16-C17
17	b	2002	PQN	C20-C21-C22-C23
17	G	2002	PQN	C20-C21-C22-C23
16	Z	506	CLA	O1A-CGA-O2A-C1
16	u	505	CLA	O1A-CGA-O2A-C1
16	A	1119	CLA	CBA-CGA-O2A-C1
16	W	506	CLA	CBA-CGA-O2A-C1
16	a	1119	CLA	CBA-CGA-O2A-C1
16	H	1119	CLA	CBA-CGA-O2A-C1
14	a	4101	LMG	C18-C19-C20-C21
13	A	851	LHG	O1-C1-C2-O2
13	a	851	LHG	O1-C1-C2-O2
13	H	851	LHG	O1-C1-C2-O2
13	a	849	LHG	C27-C28-C29-C30
14	A	4101	LMG	C18-C19-C20-C21
14	H	4101	LMG	C14-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
14	H	4101	LMG	C18-C19-C20-C21
16	Y	504	CLA	C8-C10-C11-C12
16	H	1104	CLA	C15-C16-C17-C18
16	w	506	CLA	C10-C11-C12-C13
17	B	2002	PQN	C20-C21-C22-C23
16	A	1104	CLA	C4B-C3B-CAB-CBB
16	A	1106	CLA	C4B-C3B-CAB-CBB
16	A	1121	CLA	C4B-C3B-CAB-CBB
16	A	1124	CLA	C4B-C3B-CAB-CBB
16	A	1129	CLA	C4B-C3B-CAB-CBB
16	A	1139	CLA	C4B-C3B-CAB-CBB
16	A	1801	CLA	C4B-C3B-CAB-CBB
16	B	1208	CLA	C4B-C3B-CAB-CBB
16	B	1214	CLA	C4B-C3B-CAB-CBB
16	B	1217	CLA	C4B-C3B-CAB-CBB
16	B	1222	CLA	C4B-C3B-CAB-CBB
16	B	1229	CLA	C4B-C3B-CAB-CBB
16	W	501	CLA	C4B-C3B-CAB-CBB
16	W	509	CLA	C4B-C3B-CAB-CBB
16	W	514	CLA	C4B-C3B-CAB-CBB
16	X	501	CLA	C4B-C3B-CAB-CBB
16	X	503	CLA	C4B-C3B-CAB-CBB
16	X	504	CLA	C4B-C3B-CAB-CBB
16	X	506	CLA	C4B-C3B-CAB-CBB
16	X	507	CLA	C4B-C3B-CAB-CBB
16	X	508	CLA	C4B-C3B-CAB-CBB
16	X	510	CLA	C4B-C3B-CAB-CBB
16	X	513	CLA	C4B-C3B-CAB-CBB
16	X	514	CLA	C4B-C3B-CAB-CBB
16	Y	504	CLA	C4B-C3B-CAB-CBB
16	Y	507	CLA	C4B-C3B-CAB-CBB
16	Z	505	CLA	C4B-C3B-CAB-CBB
16	Z	514	CLA	C4B-C3B-CAB-CBB
16	g	501	CLA	C4B-C3B-CAB-CBB
16	g	504	CLA	C4B-C3B-CAB-CBB
16	g	506	CLA	C4B-C3B-CAB-CBB
16	g	507	CLA	C4B-C3B-CAB-CBB
16	g	508	CLA	C4B-C3B-CAB-CBB
16	g	509	CLA	C4B-C3B-CAB-CBB
16	g	513	CLA	C4B-C3B-CAB-CBB
16	y	502	CLA	C4B-C3B-CAB-CBB
16	y	503	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
16	y	506	CLA	C4B-C3B-CAB-CBB
16	y	507	CLA	C4B-C3B-CAB-CBB
16	y	515	CLA	C4B-C3B-CAB-CBB
16	a	1104	CLA	C4B-C3B-CAB-CBB
16	a	1106	CLA	C4B-C3B-CAB-CBB
16	a	1121	CLA	C4B-C3B-CAB-CBB
16	a	1124	CLA	C4B-C3B-CAB-CBB
16	a	1129	CLA	C4B-C3B-CAB-CBB
16	a	1139	CLA	C4B-C3B-CAB-CBB
16	a	1801	CLA	C4B-C3B-CAB-CBB
16	b	1203	CLA	C4B-C3B-CAB-CBB
16	b	1208	CLA	C4B-C3B-CAB-CBB
16	b	1214	CLA	C4B-C3B-CAB-CBB
16	b	1217	CLA	C4B-C3B-CAB-CBB
16	b	1222	CLA	C4B-C3B-CAB-CBB
16	b	1229	CLA	C4B-C3B-CAB-CBB
16	n	501	CLA	C4B-C3B-CAB-CBB
16	n	506	CLA	C4B-C3B-CAB-CBB
16	n	510	CLA	C4B-C3B-CAB-CBB
16	n	514	CLA	C4B-C3B-CAB-CBB
16	n	515	CLA	C4B-C3B-CAB-CBB
16	o	501	CLA	C4B-C3B-CAB-CBB
16	o	503	CLA	C4B-C3B-CAB-CBB
16	o	504	CLA	C4B-C3B-CAB-CBB
16	o	506	CLA	C4B-C3B-CAB-CBB
16	o	508	CLA	C4B-C3B-CAB-CBB
16	o	510	CLA	C4B-C3B-CAB-CBB
16	o	513	CLA	C4B-C3B-CAB-CBB
16	o	514	CLA	C4B-C3B-CAB-CBB
16	p	504	CLA	C4B-C3B-CAB-CBB
16	p	507	CLA	C4B-C3B-CAB-CBB
16	p	514	CLA	C4B-C3B-CAB-CBB
16	q	502	CLA	C4B-C3B-CAB-CBB
16	r	501	CLA	C4B-C3B-CAB-CBB
16	r	504	CLA	C4B-C3B-CAB-CBB
16	r	513	CLA	C4B-C3B-CAB-CBB
16	h	502	CLA	C4B-C3B-CAB-CBB
16	h	503	CLA	C4B-C3B-CAB-CBB
16	h	507	CLA	C4B-C3B-CAB-CBB
16	H	1104	CLA	C4B-C3B-CAB-CBB
16	H	1106	CLA	C4B-C3B-CAB-CBB
16	H	1121	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
16	H	1124	CLA	C4B-C3B-CAB-CBB
16	H	1129	CLA	C4B-C3B-CAB-CBB
16	H	1139	CLA	C4B-C3B-CAB-CBB
16	H	1801	CLA	C4B-C3B-CAB-CBB
16	G	1208	CLA	C4B-C3B-CAB-CBB
16	G	1214	CLA	C4B-C3B-CAB-CBB
16	G	1217	CLA	C4B-C3B-CAB-CBB
16	G	1222	CLA	C4B-C3B-CAB-CBB
16	G	1229	CLA	C4B-C3B-CAB-CBB
16	t	501	CLA	C4B-C3B-CAB-CBB
16	t	510	CLA	C4B-C3B-CAB-CBB
16	t	513	CLA	C4B-C3B-CAB-CBB
16	t	515	CLA	C4B-C3B-CAB-CBB
16	t	517	CLA	C4B-C3B-CAB-CBB
16	u	501	CLA	C4B-C3B-CAB-CBB
16	u	503	CLA	C4B-C3B-CAB-CBB
16	u	504	CLA	C4B-C3B-CAB-CBB
16	u	506	CLA	C4B-C3B-CAB-CBB
16	u	508	CLA	C4B-C3B-CAB-CBB
16	u	510	CLA	C4B-C3B-CAB-CBB
16	u	513	CLA	C4B-C3B-CAB-CBB
16	u	514	CLA	C4B-C3B-CAB-CBB
16	s	504	CLA	C4B-C3B-CAB-CBB
16	s	507	CLA	C4B-C3B-CAB-CBB
16	s	514	CLA	C4B-C3B-CAB-CBB
16	w	513	CLA	C4B-C3B-CAB-CBB
16	x	501	CLA	C4B-C3B-CAB-CBB
16	x	504	CLA	C4B-C3B-CAB-CBB
16	x	508	CLA	C4B-C3B-CAB-CBB
16	x	510	CLA	C4B-C3B-CAB-CBB
16	x	513	CLA	C4B-C3B-CAB-CBB
16	x	515	CLA	C4B-C3B-CAB-CBB
16	v	502	CLA	C4B-C3B-CAB-CBB
16	v	503	CLA	C4B-C3B-CAB-CBB
16	v	507	CLA	C4B-C3B-CAB-CBB
16	v	515	CLA	C4B-C3B-CAB-CBB
13	A	849	LHG	C27-C28-C29-C30
13	H	849	LHG	C27-C28-C29-C30
14	A	4101	LMG	C14-C15-C16-C17
14	a	4101	LMG	C14-C15-C16-C17
16	A	1111	CLA	C6-C7-C8-C10
16	W	506	CLA	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
16	W	517	CLA	C6-C7-C8-C10
16	Y	506	CLA	C11-C12-C13-C14
16	a	1111	CLA	C6-C7-C8-C10
16	n	517	CLA	C6-C7-C8-C9
16	n	517	CLA	C6-C7-C8-C10
16	r	515	CLA	C16-C17-C18-C19
16	H	1111	CLA	C6-C7-C8-C10
16	s	506	CLA	C11-C12-C13-C14
16	x	515	CLA	C16-C17-C18-C19
16	A	1135	CLA	C2A-CAA-CBA-CGA
16	B	1209	CLA	C2A-CAA-CBA-CGA
16	B	1210	CLA	C2A-CAA-CBA-CGA
16	B	1213	CLA	C2A-CAA-CBA-CGA
16	B	1224	CLA	C2A-CAA-CBA-CGA
16	g	515	CLA	C2A-CAA-CBA-CGA
16	y	501	CLA	C2A-CAA-CBA-CGA
16	a	1135	CLA	C2A-CAA-CBA-CGA
16	b	1209	CLA	C2A-CAA-CBA-CGA
16	b	1210	CLA	C2A-CAA-CBA-CGA
16	b	1213	CLA	C2A-CAA-CBA-CGA
16	b	1224	CLA	C2A-CAA-CBA-CGA
16	o	505	CLA	C2A-CAA-CBA-CGA
16	H	1135	CLA	C2A-CAA-CBA-CGA
16	G	1209	CLA	C2A-CAA-CBA-CGA
16	G	1210	CLA	C2A-CAA-CBA-CGA
16	G	1213	CLA	C2A-CAA-CBA-CGA
16	G	1224	CLA	C2A-CAA-CBA-CGA
16	A	1022	CLA	C15-C16-C17-C18
16	A	1103	CLA	C8-C10-C11-C12
16	a	1022	CLA	C15-C16-C17-C18
16	a	1103	CLA	C8-C10-C11-C12
16	o	511	CLA	C10-C11-C12-C13
16	H	1022	CLA	C15-C16-C17-C18
16	H	1103	CLA	C8-C10-C11-C12
16	s	505	CLA	C5-C6-C7-C8
15	A	1011	CL0	C11-C10-C8-C7
15	a	1011	CL0	C11-C10-C8-C7
15	H	1011	CL0	C11-C10-C8-C7
16	n	515	CLA	C5-C6-C7-C8
16	r	506	CLA	C10-C11-C12-C13
16	w	506	CLA	O1A-CGA-O2A-C1
16	X	509	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
16	g	509	CLA	C3-C5-C6-C7
16	q	504	CLA	C3-C5-C6-C7
16	A	1101	CLA	C3A-C2A-CAA-CBA
16	A	1103	CLA	C3A-C2A-CAA-CBA
16	A	1104	CLA	C3A-C2A-CAA-CBA
16	A	1123	CLA	C3A-C2A-CAA-CBA
16	A	1127	CLA	C3A-C2A-CAA-CBA
16	A	1139	CLA	C3A-C2A-CAA-CBA
16	F	1301	CLA	C3A-C2A-CAA-CBA
16	J	1302	CLA	C3A-C2A-CAA-CBA
16	L	1501	CLA	C3A-C2A-CAA-CBA
16	W	503	CLA	C3A-C2A-CAA-CBA
16	W	512	CLA	C3A-C2A-CAA-CBA
16	X	502	CLA	C3A-C2A-CAA-CBA
16	X	503	CLA	C3A-C2A-CAA-CBA
16	X	512	CLA	C3A-C2A-CAA-CBA
16	Y	503	CLA	C3A-C2A-CAA-CBA
16	Y	512	CLA	C3A-C2A-CAA-CBA
16	Z	503	CLA	C3A-C2A-CAA-CBA
16	Z	512	CLA	C3A-C2A-CAA-CBA
16	g	503	CLA	C3A-C2A-CAA-CBA
16	y	503	CLA	C3A-C2A-CAA-CBA
16	y	512	CLA	C3A-C2A-CAA-CBA
16	a	1101	CLA	C3A-C2A-CAA-CBA
16	a	1103	CLA	C3A-C2A-CAA-CBA
16	a	1104	CLA	C3A-C2A-CAA-CBA
16	a	1123	CLA	C3A-C2A-CAA-CBA
16	a	1127	CLA	C3A-C2A-CAA-CBA
16	a	1139	CLA	C3A-C2A-CAA-CBA
16	l	1501	CLA	C3A-C2A-CAA-CBA
16	n	503	CLA	C3A-C2A-CAA-CBA
16	n	505	CLA	C3A-C2A-CAA-CBA
16	n	512	CLA	C3A-C2A-CAA-CBA
16	o	503	CLA	C3A-C2A-CAA-CBA
16	o	512	CLA	C3A-C2A-CAA-CBA
16	p	503	CLA	C3A-C2A-CAA-CBA
16	p	512	CLA	C3A-C2A-CAA-CBA
16	q	503	CLA	C3A-C2A-CAA-CBA
16	q	512	CLA	C3A-C2A-CAA-CBA
16	r	503	CLA	C3A-C2A-CAA-CBA
16	r	512	CLA	C3A-C2A-CAA-CBA
16	h	501	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
16	h	503	CLA	C3A-C2A-CAA-CBA
16	h	512	CLA	C3A-C2A-CAA-CBA
16	H	1101	CLA	C3A-C2A-CAA-CBA
16	H	1103	CLA	C3A-C2A-CAA-CBA
16	H	1104	CLA	C3A-C2A-CAA-CBA
16	H	1123	CLA	C3A-C2A-CAA-CBA
16	H	1127	CLA	C3A-C2A-CAA-CBA
16	H	1139	CLA	C3A-C2A-CAA-CBA
16	U	1501	CLA	C3A-C2A-CAA-CBA
16	t	503	CLA	C3A-C2A-CAA-CBA
16	t	512	CLA	C3A-C2A-CAA-CBA
16	u	502	CLA	C3A-C2A-CAA-CBA
16	u	503	CLA	C3A-C2A-CAA-CBA
16	u	512	CLA	C3A-C2A-CAA-CBA
16	s	503	CLA	C3A-C2A-CAA-CBA
16	w	502	CLA	C3A-C2A-CAA-CBA
16	w	503	CLA	C3A-C2A-CAA-CBA
16	x	503	CLA	C3A-C2A-CAA-CBA
16	x	512	CLA	C3A-C2A-CAA-CBA
16	v	501	CLA	C3A-C2A-CAA-CBA
16	v	503	CLA	C3A-C2A-CAA-CBA
16	v	512	CLA	C3A-C2A-CAA-CBA
16	f	1301	CLA	C3A-C2A-CAA-CBA
16	Q	1301	CLA	C3A-C2A-CAA-CBA
16	j	1302	CLA	C3A-C2A-CAA-CBA
16	S	1302	CLA	C3A-C2A-CAA-CBA
16	A	1114	CLA	O1D-CGD-O2D-CED
16	a	1114	CLA	O1D-CGD-O2D-CED
16	o	514	CLA	O1D-CGD-O2D-CED
16	H	1114	CLA	O1D-CGD-O2D-CED
16	W	515	CLA	C5-C6-C7-C8
16	x	506	CLA	C8-C10-C11-C12
16	v	505	CLA	O1D-CGD-O2D-CED
19	s	602	BCR	C9-C10-C11-C12
19	x	601	BCR	C19-C20-C21-C22
19	x	604	BCR	C13-C14-C15-C16
16	A	1111	CLA	C6-C7-C8-C9
16	B	1223	CLA	C16-C17-C18-C20
16	Y	509	CLA	C11-C12-C13-C15
16	a	1111	CLA	C6-C7-C8-C9
16	b	1223	CLA	C16-C17-C18-C20
16	o	508	CLA	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
16	q	505	CLA	C16-C17-C18-C19
16	r	515	CLA	C16-C17-C18-C20
16	H	1111	CLA	C6-C7-C8-C9
16	G	1223	CLA	C16-C17-C18-C20
16	x	515	CLA	C16-C17-C18-C20
16	g	509	CLA	O1A-CGA-O2A-C1
16	p	504	CLA	O1A-CGA-O2A-C1
16	h	506	CLA	O1A-CGA-O2A-C1
16	n	504	CLA	CBD-CGD-O2D-CED
16	h	516	CLA	O1D-CGD-O2D-CED
16	y	506	CLA	CBA-CGA-O2A-C1
16	o	505	CLA	CBA-CGA-O2A-C1
16	p	510	CLA	CBA-CGA-O2A-C1
14	Y	701	LMG	C31-C32-C33-C34
16	Y	508	CLA	C3-C5-C6-C7
16	n	509	CLA	C3-C5-C6-C7
13	A	849	LHG	C23-C24-C25-C26
13	a	849	LHG	C23-C24-C25-C26
13	H	849	LHG	C23-C24-C25-C26
16	B	1223	CLA	C10-C11-C12-C13
16	b	1223	CLA	C10-C11-C12-C13
16	G	1223	CLA	C10-C11-C12-C13
14	A	4101	LMG	C34-C35-C36-C37
14	a	4101	LMG	C34-C35-C36-C37
16	A	1116	CLA	C5-C6-C7-C8
16	a	1116	CLA	C5-C6-C7-C8
16	W	504	CLA	O1A-CGA-O2A-C1
16	s	504	CLA	O1A-CGA-O2A-C1
14	H	4101	LMG	C34-C35-C36-C37
16	H	1116	CLA	C5-C6-C7-C8
16	g	503	CLA	O1D-CGD-O2D-CED
16	s	509	CLA	O1D-CGD-O2D-CED
16	B	1229	CLA	O1A-CGA-O2A-C1
16	b	1229	CLA	O1A-CGA-O2A-C1
16	G	1229	CLA	O1A-CGA-O2A-C1
16	A	1114	CLA	C2B-C3B-CAB-CBB
16	A	1122	CLA	C2B-C3B-CAB-CBB
16	A	1132	CLA	C2B-C3B-CAB-CBB
16	A	1136	CLA	C2B-C3B-CAB-CBB
16	A	1139	CLA	C2B-C3B-CAB-CBB
16	A	1140	CLA	C2B-C3B-CAB-CBB
16	B	1204	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
16	B	1205	CLA	C2B-C3B-CAB-CBB
16	B	1216	CLA	C2B-C3B-CAB-CBB
16	B	1223	CLA	C2B-C3B-CAB-CBB
16	B	1232	CLA	C2B-C3B-CAB-CBB
16	B	1239	CLA	C2B-C3B-CAB-CBB
16	J	1302	CLA	C2B-C3B-CAB-CBB
16	J	1303	CLA	C2B-C3B-CAB-CBB
16	W	502	CLA	C2B-C3B-CAB-CBB
16	W	505	CLA	C2B-C3B-CAB-CBB
16	W	508	CLA	C2B-C3B-CAB-CBB
16	X	503	CLA	C2B-C3B-CAB-CBB
16	Y	505	CLA	C2B-C3B-CAB-CBB
16	Y	513	CLA	C2B-C3B-CAB-CBB
16	Z	505	CLA	C2B-C3B-CAB-CBB
16	Z	508	CLA	C2B-C3B-CAB-CBB
16	Z	513	CLA	C2B-C3B-CAB-CBB
16	g	505	CLA	C2B-C3B-CAB-CBB
16	g	506	CLA	C2B-C3B-CAB-CBB
16	y	502	CLA	C2B-C3B-CAB-CBB
16	y	508	CLA	C2B-C3B-CAB-CBB
16	y	513	CLA	C2B-C3B-CAB-CBB
16	a	1114	CLA	C2B-C3B-CAB-CBB
16	a	1122	CLA	C2B-C3B-CAB-CBB
16	a	1132	CLA	C2B-C3B-CAB-CBB
16	a	1136	CLA	C2B-C3B-CAB-CBB
16	a	1139	CLA	C2B-C3B-CAB-CBB
16	a	1140	CLA	C2B-C3B-CAB-CBB
16	b	1204	CLA	C2B-C3B-CAB-CBB
16	b	1205	CLA	C2B-C3B-CAB-CBB
16	b	1216	CLA	C2B-C3B-CAB-CBB
16	b	1223	CLA	C2B-C3B-CAB-CBB
16	b	1232	CLA	C2B-C3B-CAB-CBB
16	b	1239	CLA	C2B-C3B-CAB-CBB
16	n	508	CLA	C2B-C3B-CAB-CBB
16	o	503	CLA	C2B-C3B-CAB-CBB
16	o	513	CLA	C2B-C3B-CAB-CBB
16	p	513	CLA	C2B-C3B-CAB-CBB
16	q	502	CLA	C2B-C3B-CAB-CBB
16	q	508	CLA	C2B-C3B-CAB-CBB
16	q	513	CLA	C2B-C3B-CAB-CBB
16	q	514	CLA	C2B-C3B-CAB-CBB
16	r	502	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
16	r	508	CLA	C2B-C3B-CAB-CBB
16	r	510	CLA	C2B-C3B-CAB-CBB
16	h	502	CLA	C2B-C3B-CAB-CBB
16	h	505	CLA	C2B-C3B-CAB-CBB
16	h	508	CLA	C2B-C3B-CAB-CBB
16	h	513	CLA	C2B-C3B-CAB-CBB
16	H	1114	CLA	C2B-C3B-CAB-CBB
16	H	1122	CLA	C2B-C3B-CAB-CBB
16	H	1132	CLA	C2B-C3B-CAB-CBB
16	H	1136	CLA	C2B-C3B-CAB-CBB
16	H	1139	CLA	C2B-C3B-CAB-CBB
16	H	1140	CLA	C2B-C3B-CAB-CBB
16	G	1204	CLA	C2B-C3B-CAB-CBB
16	G	1205	CLA	C2B-C3B-CAB-CBB
16	G	1216	CLA	C2B-C3B-CAB-CBB
16	G	1223	CLA	C2B-C3B-CAB-CBB
16	G	1232	CLA	C2B-C3B-CAB-CBB
16	G	1239	CLA	C2B-C3B-CAB-CBB
16	t	502	CLA	C2B-C3B-CAB-CBB
16	t	513	CLA	C2B-C3B-CAB-CBB
16	u	503	CLA	C2B-C3B-CAB-CBB
16	s	513	CLA	C2B-C3B-CAB-CBB
16	w	508	CLA	C2B-C3B-CAB-CBB
16	w	514	CLA	C2B-C3B-CAB-CBB
16	x	510	CLA	C2B-C3B-CAB-CBB
16	v	502	CLA	C2B-C3B-CAB-CBB
16	v	505	CLA	C2B-C3B-CAB-CBB
16	v	508	CLA	C2B-C3B-CAB-CBB
16	v	513	CLA	C2B-C3B-CAB-CBB
16	j	1302	CLA	C2B-C3B-CAB-CBB
16	j	1303	CLA	C2B-C3B-CAB-CBB
16	S	1302	CLA	C2B-C3B-CAB-CBB
16	S	1303	CLA	C2B-C3B-CAB-CBB
19	A	4002	BCR	C1-C6-C7-C8
19	A	4003	BCR	C1-C6-C7-C8
19	B	4009	BCR	C1-C6-C7-C8
19	F	4016	BCR	C1-C6-C7-C8
19	I	4020	BCR	C1-C6-C7-C8
19	J	4015	BCR	C1-C6-C7-C8
19	J	4015	BCR	C5-C6-C7-C8
19	L	4019	BCR	C23-C24-C25-C26
19	L	4019	BCR	C23-C24-C25-C30

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Mol	Chain	Res	Type	Atoms
19	L	4022	BCR	C1-C6-C7-C8
19	W	603	BCR	C23-C24-C25-C26
19	W	603	BCR	C23-C24-C25-C30
19	X	603	BCR	C23-C24-C25-C30
19	Y	604	BCR	C23-C24-C25-C30
19	a	4002	BCR	C1-C6-C7-C8
19	a	4003	BCR	C1-C6-C7-C8
19	b	4009	BCR	C1-C6-C7-C8
19	i	4020	BCR	C1-C6-C7-C8
19	l	4019	BCR	C23-C24-C25-C26
19	l	4019	BCR	C23-C24-C25-C30
19	l	4022	BCR	C1-C6-C7-C8
19	n	603	BCR	C23-C24-C25-C26
19	n	603	BCR	C23-C24-C25-C30
19	o	603	BCR	C23-C24-C25-C26
19	o	603	BCR	C23-C24-C25-C30
19	q	603	BCR	C23-C24-C25-C26
19	q	603	BCR	C23-C24-C25-C30
19	r	603	BCR	C23-C24-C25-C30
19	H	4002	BCR	C1-C6-C7-C8
19	H	4003	BCR	C1-C6-C7-C8
19	G	4009	BCR	C1-C6-C7-C8
19	R	4020	BCR	C1-C6-C7-C8
19	U	4019	BCR	C23-C24-C25-C26
19	U	4019	BCR	C23-C24-C25-C30
19	U	4022	BCR	C1-C6-C7-C8
19	t	603	BCR	C23-C24-C25-C26
19	t	603	BCR	C23-C24-C25-C30
19	u	603	BCR	C23-C24-C25-C26
19	u	603	BCR	C23-C24-C25-C30
19	s	603	BCR	C23-C24-C25-C30
19	v	601	BCR	C23-C24-C25-C30
19	j	4015	BCR	C1-C6-C7-C8
19	j	4015	BCR	C5-C6-C7-C8
19	S	4015	BCR	C1-C6-C7-C8
19	S	4015	BCR	C5-C6-C7-C8
13	A	851	LHG	C8-C7-O7-C5
13	a	851	LHG	C8-C7-O7-C5
13	H	851	LHG	C8-C7-O7-C5
16	W	516	CLA	O1A-CGA-O2A-C1
16	A	1125	CLA	CBA-CGA-O2A-C1
16	g	514	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
16	a	1125	CLA	CBA-CGA-O2A-C1
16	H	1125	CLA	CBA-CGA-O2A-C1
13	I	103	LHG	C24-C25-C26-C27
13	i	103	LHG	C24-C25-C26-C27
13	R	103	LHG	C24-C25-C26-C27
16	L	1501	CLA	O1D-CGD-O2D-CED
16	l	1501	CLA	O1D-CGD-O2D-CED
16	U	1501	CLA	O1D-CGD-O2D-CED
14	s	701	LMG	C31-C32-C33-C34
16	A	1115	CLA	C2A-CAA-CBA-CGA
16	a	1115	CLA	C2A-CAA-CBA-CGA
16	q	504	CLA	C2A-CAA-CBA-CGA
16	r	515	CLA	C2A-CAA-CBA-CGA
16	H	1115	CLA	C2A-CAA-CBA-CGA
14	b	848	LMG	C12-C13-C14-C15
14	G	848	LMG	C12-C13-C14-C15
16	W	506	CLA	O1A-CGA-O2A-C1
16	q	506	CLA	O1A-CGA-O2A-C1
16	v	506	CLA	O1A-CGA-O2A-C1
14	B	848	LMG	C12-C13-C14-C15
16	g	504	CLA	C4-C3-C5-C6
19	B	4009	BCR	C10-C11-C12-C13
19	X	603	BCR	C10-C11-C12-C13
19	Y	601	BCR	C18-C19-C20-C21
19	Y	604	BCR	C10-C11-C12-C13
19	Z	604	BCR	C10-C11-C12-C13
19	g	601	BCR	C10-C11-C12-C13
19	g	602	BCR	C18-C19-C20-C21
19	b	4009	BCR	C10-C11-C12-C13
19	o	603	BCR	C10-C11-C12-C13
19	p	602	BCR	C10-C11-C12-C13
19	q	604	BCR	C10-C11-C12-C13
19	q	604	BCR	C18-C19-C20-C21
19	h	602	BCR	C10-C11-C12-C13
19	G	4009	BCR	C10-C11-C12-C13
19	u	601	BCR	C18-C19-C20-C21
19	u	602	BCR	C10-C11-C12-C13
19	u	603	BCR	C10-C11-C12-C13
19	s	601	BCR	C18-C19-C20-C21
19	s	602	BCR	C10-C11-C12-C13
19	w	604	BCR	C10-C11-C12-C13
19	w	604	BCR	C18-C19-C20-C21

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Mol	Chain	Res	Type	Atoms
19	x	601	BCR	C10-C11-C12-C13
19	x	602	BCR	C18-C19-C20-C21
16	A	1106	CLA	C8-C10-C11-C12
16	B	1226	CLA	C5-C6-C7-C8
16	a	1106	CLA	C8-C10-C11-C12
16	b	1226	CLA	C5-C6-C7-C8
16	H	1106	CLA	C8-C10-C11-C12
16	G	1226	CLA	C5-C6-C7-C8
16	y	505	CLA	C2-C3-C5-C6
16	r	510	CLA	C2-C3-C5-C6
16	v	505	CLA	C2-C3-C5-C6
16	X	508	CLA	C6-C7-C8-C10
16	B	1228	CLA	CBA-CGA-O2A-C1
16	B	1235	CLA	CBA-CGA-O2A-C1
16	y	504	CLA	CBA-CGA-O2A-C1
16	b	1228	CLA	CBA-CGA-O2A-C1
16	b	1235	CLA	CBA-CGA-O2A-C1
16	G	1228	CLA	CBA-CGA-O2A-C1
16	G	1235	CLA	CBA-CGA-O2A-C1
16	L	1502	CLA	C6-C7-C8-C9
16	l	1502	CLA	C6-C7-C8-C9
16	U	1502	CLA	C6-C7-C8-C9
13	I	103	LHG	C27-C28-C29-C30
13	i	103	LHG	C27-C28-C29-C30
13	R	103	LHG	C27-C28-C29-C30
16	Z	503	CLA	O1A-CGA-O2A-C1
16	q	503	CLA	O1A-CGA-O2A-C1
19	A	4011	BCR	C6-C7-C8-C9
19	a	4011	BCR	C6-C7-C8-C9
19	n	603	BCR	C22-C23-C24-C25
19	r	604	BCR	C22-C23-C24-C25
19	H	4011	BCR	C6-C7-C8-C9
19	J	4013	BCR	C14-C15-C16-C17
19	j	4013	BCR	C14-C15-C16-C17
19	S	4013	BCR	C14-C15-C16-C17
16	L	1501	CLA	C5-C6-C7-C8
16	l	1501	CLA	C5-C6-C7-C8
16	n	505	CLA	C13-C15-C16-C17
16	U	1501	CLA	C5-C6-C7-C8
16	A	1119	CLA	O1A-CGA-O2A-C1
16	a	1119	CLA	O1A-CGA-O2A-C1
16	H	1119	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
16	Y	515	CLA	C8-C10-C11-C12
16	B	1236	CLA	C3-C5-C6-C7
16	b	1236	CLA	C3-C5-C6-C7
16	B	1012	CLA	CBA-CGA-O2A-C1
16	Z	507	CLA	CBA-CGA-O2A-C1
16	b	1012	CLA	CBA-CGA-O2A-C1
16	G	1012	CLA	CBA-CGA-O2A-C1
16	x	506	CLA	CBA-CGA-O2A-C1
19	Y	602	BCR	C9-C10-C11-C12
19	r	601	BCR	C19-C20-C21-C22
19	h	604	BCR	C9-C10-C11-C12
16	X	504	CLA	C11-C12-C13-C14
16	h	509	CLA	C11-C12-C13-C15
16	t	505	CLA	CBD-CGD-O2D-CED
16	p	510	CLA	O1A-CGA-O2A-C1
16	Z	515	CLA	O1D-CGD-O2D-CED
16	B	1207	CLA	C10-C11-C12-C13
16	X	506	CLA	C5-C6-C7-C8
16	Z	507	CLA	C8-C10-C11-C12
16	y	509	CLA	C10-C11-C12-C13
16	b	1207	CLA	C10-C11-C12-C13
16	G	1207	CLA	C10-C11-C12-C13
16	x	506	CLA	C10-C11-C12-C13
13	A	851	LHG	O9-C7-O7-C5
13	a	851	LHG	O9-C7-O7-C5
13	H	851	LHG	O9-C7-O7-C5
14	A	4201	LMG	O9-C10-O7-C8
14	a	4201	LMG	O9-C10-O7-C8
14	H	4201	LMG	O9-C10-O7-C8
16	w	503	CLA	O1A-CGA-O2A-C1
15	A	1011	CL0	C15-C16-C17-C18
15	a	1011	CL0	C15-C16-C17-C18
15	H	1011	CL0	C15-C16-C17-C18
16	w	507	CLA	C8-C10-C11-C12
19	B	4010	BCR	C11-C12-C13-C35
19	J	4012	BCR	C36-C18-C19-C20
19	W	601	BCR	C7-C8-C9-C34
19	Y	604	BCR	C37-C22-C23-C24
19	y	604	BCR	C7-C8-C9-C34
19	s	601	BCR	C11-C12-C13-C35
19	s	601	BCR	C36-C18-C19-C20
19	j	4012	BCR	C36-C18-C19-C20

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Mol	Chain	Res	Type	Atoms
16	G	1236	CLA	C3-C5-C6-C7
16	b	1023	CLA	C4C-C3C-CAC-CBC
19	o	604	BCR	C11-C12-C13-C14
19	h	601	BCR	C7-C8-C9-C10
16	A	1022	CLA	C2A-CAA-CBA-CGA
16	a	1022	CLA	C2A-CAA-CBA-CGA
16	r	504	CLA	C2A-CAA-CBA-CGA
16	H	1022	CLA	C2A-CAA-CBA-CGA
16	x	504	CLA	C2A-CAA-CBA-CGA
16	G	1023	CLA	C4C-C3C-CAC-CBC
16	B	1223	CLA	C16-C17-C18-C19
16	X	508	CLA	C6-C7-C8-C9
16	b	1223	CLA	C16-C17-C18-C19
16	p	506	CLA	C11-C12-C13-C15
16	q	505	CLA	C16-C17-C18-C20
16	G	1223	CLA	C16-C17-C18-C19
16	t	508	CLA	C6-C7-C8-C9
16	w	505	CLA	C16-C17-C18-C19
16	w	505	CLA	C16-C17-C18-C20
16	x	506	CLA	C11-C12-C13-C14
16	Y	510	CLA	CBD-CGD-O2D-CED
16	B	1204	CLA	C4-C3-C5-C6
16	b	1204	CLA	C4-C3-C5-C6
16	q	509	CLA	C4-C3-C5-C6
16	G	1204	CLA	C4-C3-C5-C6
16	t	515	CLA	C4-C3-C5-C6
16	q	509	CLA	C2-C3-C5-C6
16	B	1023	CLA	C4C-C3C-CAC-CBC
14	A	4101	LMG	C16-C17-C18-C19
14	a	4101	LMG	C16-C17-C18-C19
16	y	506	CLA	O1A-CGA-O2A-C1
16	o	505	CLA	O1A-CGA-O2A-C1
16	L	1501	CLA	C10-C11-C12-C13
16	X	505	CLA	C15-C16-C17-C18
16	y	504	CLA	C5-C6-C7-C8
16	b	1204	CLA	C10-C11-C12-C13
16	l	1501	CLA	C10-C11-C12-C13
16	o	515	CLA	C5-C6-C7-C8
16	G	1204	CLA	C10-C11-C12-C13
16	G	1207	CLA	C8-C10-C11-C12
16	U	1501	CLA	C10-C11-C12-C13
16	u	506	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
16	w	511	CLA	C10-C11-C12-C13
16	v	504	CLA	C8-C10-C11-C12
16	v	511	CLA	C10-C11-C12-C13
14	p	701	LMG	C31-C32-C33-C34
14	H	4101	LMG	C16-C17-C18-C19
16	B	1204	CLA	C10-C11-C12-C13
16	B	1207	CLA	C8-C10-C11-C12
16	B	1239	CLA	C13-C15-C16-C17
16	Y	507	CLA	C5-C6-C7-C8
16	Z	511	CLA	C13-C15-C16-C17
16	b	1207	CLA	C8-C10-C11-C12
16	b	1239	CLA	C13-C15-C16-C17
16	q	506	CLA	C8-C10-C11-C12
16	G	1239	CLA	C13-C15-C16-C17
16	s	509	CLA	C10-C11-C12-C13
16	w	515	CLA	C8-C10-C11-C12
16	A	1124	CLA	C16-C17-C18-C20
16	a	1124	CLA	C16-C17-C18-C20
16	o	508	CLA	C6-C7-C8-C9
16	H	1124	CLA	C16-C17-C18-C20
16	t	505	CLA	C10-C11-C12-C13
13	I	103	LHG	C11-C10-C9-C8
13	i	103	LHG	C11-C10-C9-C8
13	R	103	LHG	C11-C10-C9-C8
16	w	504	CLA	C3-C5-C6-C7
14	B	848	LMG	O7-C8-C9-O8
14	Y	701	LMG	O7-C8-C9-O8
14	b	848	LMG	O7-C8-C9-O8
14	p	701	LMG	O7-C8-C9-O8
14	G	848	LMG	O7-C8-C9-O8
14	s	701	LMG	O7-C8-C9-O8
14	A	852	LMG	C31-C32-C33-C34
14	a	852	LMG	C31-C32-C33-C34
14	H	852	LMG	C31-C32-C33-C34
16	h	509	CLA	O1D-CGD-O2D-CED
16	g	506	CLA	CBA-CGA-O2A-C1
16	g	513	CLA	CBA-CGA-O2A-C1
16	q	507	CLA	CBA-CGA-O2A-C1
16	g	514	CLA	O1A-CGA-O2A-C1
16	h	504	CLA	C8-C10-C11-C12
16	w	512	CLA	O1D-CGD-O2D-CED
16	v	508	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	b	848	LMG	C36-C37-C38-C39
14	B	848	LMG	C36-C37-C38-C39
14	G	848	LMG	C36-C37-C38-C39
16	Y	501	CLA	C2-C1-O2A-CGA
16	p	501	CLA	C2-C1-O2A-CGA
16	s	506	CLA	C11-C12-C13-C15
16	o	506	CLA	C5-C6-C7-C8
16	q	506	CLA	C5-C6-C7-C8
16	q	509	CLA	C5-C6-C7-C8
16	A	1131	CLA	C4-C3-C5-C6
16	a	1131	CLA	C4-C3-C5-C6
16	H	1131	CLA	C4-C3-C5-C6
16	B	1204	CLA	C2-C3-C5-C6
16	b	1204	CLA	C2-C3-C5-C6
16	G	1204	CLA	C2-C3-C5-C6
14	b	848	LMG	C35-C36-C37-C38
14	G	848	LMG	C35-C36-C37-C38
16	A	1113	CLA	C2A-CAA-CBA-CGA
16	A	1140	CLA	C2A-CAA-CBA-CGA
16	A	1237	CLA	C2A-CAA-CBA-CGA
16	L	1503	CLA	C2A-CAA-CBA-CGA
16	Y	505	CLA	C2A-CAA-CBA-CGA
16	g	505	CLA	C2A-CAA-CBA-CGA
16	a	1113	CLA	C2A-CAA-CBA-CGA
16	a	1237	CLA	C2A-CAA-CBA-CGA
16	l	1503	CLA	C2A-CAA-CBA-CGA
16	H	1113	CLA	C2A-CAA-CBA-CGA
16	H	1237	CLA	C2A-CAA-CBA-CGA
16	U	1503	CLA	C2A-CAA-CBA-CGA
16	s	508	CLA	C2A-CAA-CBA-CGA
16	x	505	CLA	C2A-CAA-CBA-CGA
16	x	511	CLA	C2A-CAA-CBA-CGA
16	x	515	CLA	C2A-CAA-CBA-CGA
16	w	507	CLA	CBA-CGA-O2A-C1
14	A	4101	LMG	C31-C32-C33-C34
14	B	848	LMG	C35-C36-C37-C38
14	a	4101	LMG	C31-C32-C33-C34
14	H	4101	LMG	C31-C32-C33-C34
16	A	1115	CLA	C5-C6-C7-C8
16	H	1115	CLA	C5-C6-C7-C8
16	X	501	CLA	O1D-CGD-O2D-CED
16	a	1115	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
16	q	515	CLA	C8-C10-C11-C12
16	X	504	CLA	C5-C6-C7-C8
16	v	516	CLA	O1D-CGD-O2D-CED
13	I	103	LHG	O1-C1-C2-O2
13	i	103	LHG	O1-C1-C2-O2
13	R	103	LHG	O1-C1-C2-O2
16	A	1125	CLA	O1A-CGA-O2A-C1
16	B	1235	CLA	O1A-CGA-O2A-C1
16	a	1125	CLA	O1A-CGA-O2A-C1
16	b	1235	CLA	O1A-CGA-O2A-C1
16	H	1125	CLA	O1A-CGA-O2A-C1
16	G	1235	CLA	O1A-CGA-O2A-C1
16	A	1104	CLA	C1A-C2A-CAA-CBA
16	A	1116	CLA	C1A-C2A-CAA-CBA
16	A	1132	CLA	C1A-C2A-CAA-CBA
16	A	1139	CLA	C1A-C2A-CAA-CBA
16	B	1210	CLA	C1A-C2A-CAA-CBA
16	F	1301	CLA	C1A-C2A-CAA-CBA
16	J	1302	CLA	C1A-C2A-CAA-CBA
16	L	1502	CLA	C1A-C2A-CAA-CBA
16	W	503	CLA	C1A-C2A-CAA-CBA
16	W	512	CLA	C1A-C2A-CAA-CBA
16	X	503	CLA	C1A-C2A-CAA-CBA
16	X	508	CLA	C1A-C2A-CAA-CBA
16	X	514	CLA	C1A-C2A-CAA-CBA
16	Y	503	CLA	C1A-C2A-CAA-CBA
16	Y	504	CLA	C1A-C2A-CAA-CBA
16	Y	505	CLA	C1A-C2A-CAA-CBA
16	Y	508	CLA	C1A-C2A-CAA-CBA
16	Y	512	CLA	C1A-C2A-CAA-CBA
16	Y	516	CLA	C1A-C2A-CAA-CBA
16	Z	503	CLA	C1A-C2A-CAA-CBA
16	Z	505	CLA	C1A-C2A-CAA-CBA
16	Z	508	CLA	C1A-C2A-CAA-CBA
16	Z	512	CLA	C1A-C2A-CAA-CBA
16	Z	513	CLA	C1A-C2A-CAA-CBA
16	g	503	CLA	C1A-C2A-CAA-CBA
16	g	512	CLA	C1A-C2A-CAA-CBA
16	g	514	CLA	C1A-C2A-CAA-CBA
16	y	501	CLA	C1A-C2A-CAA-CBA
16	y	503	CLA	C1A-C2A-CAA-CBA
16	y	504	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
16	y	505	CLA	C1A-C2A-CAA-CBA
16	y	512	CLA	C1A-C2A-CAA-CBA
16	a	1104	CLA	C1A-C2A-CAA-CBA
16	a	1116	CLA	C1A-C2A-CAA-CBA
16	a	1132	CLA	C1A-C2A-CAA-CBA
16	a	1139	CLA	C1A-C2A-CAA-CBA
16	b	1210	CLA	C1A-C2A-CAA-CBA
16	l	1502	CLA	C1A-C2A-CAA-CBA
16	n	503	CLA	C1A-C2A-CAA-CBA
16	n	504	CLA	C1A-C2A-CAA-CBA
16	n	512	CLA	C1A-C2A-CAA-CBA
16	o	503	CLA	C1A-C2A-CAA-CBA
16	o	508	CLA	C1A-C2A-CAA-CBA
16	o	514	CLA	C1A-C2A-CAA-CBA
16	p	503	CLA	C1A-C2A-CAA-CBA
16	p	508	CLA	C1A-C2A-CAA-CBA
16	p	511	CLA	C1A-C2A-CAA-CBA
16	p	512	CLA	C1A-C2A-CAA-CBA
16	q	503	CLA	C1A-C2A-CAA-CBA
16	q	505	CLA	C1A-C2A-CAA-CBA
16	q	508	CLA	C1A-C2A-CAA-CBA
16	q	512	CLA	C1A-C2A-CAA-CBA
16	r	503	CLA	C1A-C2A-CAA-CBA
16	r	512	CLA	C1A-C2A-CAA-CBA
16	r	514	CLA	C1A-C2A-CAA-CBA
16	h	501	CLA	C1A-C2A-CAA-CBA
16	h	503	CLA	C1A-C2A-CAA-CBA
16	h	512	CLA	C1A-C2A-CAA-CBA
16	H	1104	CLA	C1A-C2A-CAA-CBA
16	H	1116	CLA	C1A-C2A-CAA-CBA
16	H	1132	CLA	C1A-C2A-CAA-CBA
16	H	1139	CLA	C1A-C2A-CAA-CBA
16	G	1210	CLA	C1A-C2A-CAA-CBA
16	U	1502	CLA	C1A-C2A-CAA-CBA
16	t	503	CLA	C1A-C2A-CAA-CBA
16	t	512	CLA	C1A-C2A-CAA-CBA
16	u	503	CLA	C1A-C2A-CAA-CBA
16	u	508	CLA	C1A-C2A-CAA-CBA
16	u	514	CLA	C1A-C2A-CAA-CBA
16	s	503	CLA	C1A-C2A-CAA-CBA
16	s	504	CLA	C1A-C2A-CAA-CBA
16	s	508	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
16	s	512	CLA	C1A-C2A-CAA-CBA
16	w	502	CLA	C1A-C2A-CAA-CBA
16	w	503	CLA	C1A-C2A-CAA-CBA
16	w	505	CLA	C1A-C2A-CAA-CBA
16	w	508	CLA	C1A-C2A-CAA-CBA
16	w	512	CLA	C1A-C2A-CAA-CBA
16	x	503	CLA	C1A-C2A-CAA-CBA
16	x	512	CLA	C1A-C2A-CAA-CBA
16	x	514	CLA	C1A-C2A-CAA-CBA
16	v	501	CLA	C1A-C2A-CAA-CBA
16	v	503	CLA	C1A-C2A-CAA-CBA
16	v	504	CLA	C1A-C2A-CAA-CBA
16	v	512	CLA	C1A-C2A-CAA-CBA
16	f	1301	CLA	C1A-C2A-CAA-CBA
16	Q	1301	CLA	C1A-C2A-CAA-CBA
16	j	1302	CLA	C1A-C2A-CAA-CBA
16	S	1302	CLA	C1A-C2A-CAA-CBA
16	x	515	CLA	C8-C10-C11-C12
14	B	848	LMG	C31-C32-C33-C34
14	b	848	LMG	C31-C32-C33-C34
16	Y	505	CLA	C13-C15-C16-C17
16	Z	515	CLA	C8-C10-C11-C12
16	h	510	CLA	CBD-CGD-O2D-CED
14	G	848	LMG	C31-C32-C33-C34
16	p	507	CLA	C3-C5-C6-C7
16	t	515	CLA	C3-C5-C6-C7
15	A	1011	CL0	C11-C12-C13-C15
15	a	1011	CL0	C11-C12-C13-C15
15	H	1011	CL0	C11-C12-C13-C15
16	A	1105	CLA	C6-C7-C8-C10
16	A	1119	CLA	C6-C7-C8-C10
16	A	1119	CLA	C12-C13-C15-C16
16	A	1124	CLA	C12-C13-C15-C16
16	A	1125	CLA	C11-C10-C8-C7
16	A	1128	CLA	C12-C13-C15-C16
16	A	1140	CLA	C11-C10-C8-C7
16	B	1012	CLA	C6-C7-C8-C10
16	B	1023	CLA	C11-C10-C8-C7
16	B	1207	CLA	C11-C12-C13-C15
16	B	1215	CLA	C11-C10-C8-C7
16	W	510	CLA	C12-C13-C15-C16
16	W	515	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
16	X	510	CLA	C11-C12-C13-C15
16	X	515	CLA	C11-C10-C8-C7
16	Z	510	CLA	C6-C7-C8-C10
16	Z	511	CLA	C11-C10-C8-C7
16	Z	511	CLA	C12-C13-C15-C16
16	a	1105	CLA	C6-C7-C8-C10
16	a	1119	CLA	C6-C7-C8-C10
16	a	1119	CLA	C12-C13-C15-C16
16	a	1124	CLA	C12-C13-C15-C16
16	a	1125	CLA	C11-C10-C8-C7
16	a	1128	CLA	C12-C13-C15-C16
16	a	1140	CLA	C11-C10-C8-C7
16	b	1012	CLA	C6-C7-C8-C10
16	b	1023	CLA	C11-C10-C8-C7
16	b	1207	CLA	C11-C12-C13-C15
16	b	1215	CLA	C11-C10-C8-C7
16	n	510	CLA	C12-C13-C15-C16
16	o	515	CLA	C11-C10-C8-C7
16	q	507	CLA	C12-C13-C15-C16
16	q	510	CLA	C6-C7-C8-C10
16	q	511	CLA	C12-C13-C15-C16
16	r	504	CLA	C11-C10-C8-C7
16	r	515	CLA	C12-C13-C15-C16
16	h	511	CLA	C12-C13-C15-C16
16	H	1105	CLA	C6-C7-C8-C10
16	H	1119	CLA	C6-C7-C8-C10
16	H	1119	CLA	C12-C13-C15-C16
16	H	1124	CLA	C12-C13-C15-C16
16	H	1125	CLA	C11-C10-C8-C7
16	H	1128	CLA	C12-C13-C15-C16
16	H	1140	CLA	C11-C10-C8-C7
16	G	1012	CLA	C6-C7-C8-C10
16	G	1023	CLA	C11-C10-C8-C7
16	G	1207	CLA	C11-C12-C13-C15
16	G	1215	CLA	C11-C10-C8-C7
16	t	510	CLA	C12-C13-C15-C16
16	u	515	CLA	C11-C10-C8-C7
16	s	510	CLA	C11-C12-C13-C15
16	w	510	CLA	C6-C7-C8-C10
16	w	511	CLA	C12-C13-C15-C16
16	x	504	CLA	C11-C10-C8-C7
16	x	515	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
16	v	510	CLA	C6-C7-C8-C10
16	v	511	CLA	C12-C13-C15-C16
17	A	2001	PQN	C16-C17-C18-C20
17	a	2001	PQN	C16-C17-C18-C20
17	H	2001	PQN	C16-C17-C18-C20
16	o	504	CLA	C11-C12-C13-C15
16	r	506	CLA	C11-C12-C13-C15
16	Y	517	CLA	C5-C6-C7-C8
16	o	505	CLA	C15-C16-C17-C18
16	B	1228	CLA	O1A-CGA-O2A-C1
16	Z	507	CLA	O1A-CGA-O2A-C1
16	y	504	CLA	O1A-CGA-O2A-C1
16	b	1228	CLA	O1A-CGA-O2A-C1
16	G	1228	CLA	O1A-CGA-O2A-C1
16	B	1207	CLA	C15-C16-C17-C18
16	b	1207	CLA	C15-C16-C17-C18
16	G	1207	CLA	C15-C16-C17-C18
13	A	851	LHG	C7-C8-C9-C10
13	a	851	LHG	C7-C8-C9-C10
13	H	851	LHG	C7-C8-C9-C10
14	A	4101	LMG	C13-C14-C15-C16
14	a	4101	LMG	C13-C14-C15-C16
14	H	4101	LMG	C13-C14-C15-C16
16	B	1210	CLA	C4-C3-C5-C6
16	b	1210	CLA	C4-C3-C5-C6
16	p	509	CLA	C4-C3-C5-C6
16	G	1210	CLA	C4-C3-C5-C6
16	w	509	CLA	C2-C3-C5-C6
14	A	4101	LMG	C33-C34-C35-C36
14	a	4101	LMG	C33-C34-C35-C36
14	H	4101	LMG	C33-C34-C35-C36
16	t	501	CLA	CBD-CGD-O2D-CED
16	A	1013	CLA	C2A-CAA-CBA-CGA
16	A	1103	CLA	C2A-CAA-CBA-CGA
16	B	1023	CLA	C2A-CAA-CBA-CGA
16	B	1203	CLA	C2A-CAA-CBA-CGA
16	B	1219	CLA	C2A-CAA-CBA-CGA
16	W	516	CLA	C2A-CAA-CBA-CGA
16	y	508	CLA	C2A-CAA-CBA-CGA
16	a	1013	CLA	C2A-CAA-CBA-CGA
16	a	1103	CLA	C2A-CAA-CBA-CGA
16	a	1140	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
16	b	1023	CLA	C2A-CAA-CBA-CGA
16	b	1203	CLA	C2A-CAA-CBA-CGA
16	b	1219	CLA	C2A-CAA-CBA-CGA
16	o	508	CLA	C2A-CAA-CBA-CGA
16	p	505	CLA	C2A-CAA-CBA-CGA
16	r	505	CLA	C2A-CAA-CBA-CGA
16	r	511	CLA	C2A-CAA-CBA-CGA
16	H	1013	CLA	C2A-CAA-CBA-CGA
16	H	1103	CLA	C2A-CAA-CBA-CGA
16	H	1140	CLA	C2A-CAA-CBA-CGA
16	G	1023	CLA	C2A-CAA-CBA-CGA
16	G	1203	CLA	C2A-CAA-CBA-CGA
16	G	1219	CLA	C2A-CAA-CBA-CGA
16	s	505	CLA	C2A-CAA-CBA-CGA
15	A	1011	CL0	C11-C10-C8-C9
15	a	1011	CL0	C11-C10-C8-C9
15	H	1011	CL0	C11-C10-C8-C9
16	A	1022	CLA	C14-C13-C15-C16
16	A	1101	CLA	C11-C10-C8-C9
16	A	1119	CLA	C6-C7-C8-C9
16	A	1122	CLA	C6-C7-C8-C9
16	A	1124	CLA	C14-C13-C15-C16
16	A	1125	CLA	C11-C10-C8-C9
16	A	1128	CLA	C14-C13-C15-C16
16	B	1023	CLA	C11-C10-C8-C9
16	B	1207	CLA	C11-C12-C13-C14
16	B	1207	CLA	C14-C13-C15-C16
16	B	1211	CLA	C11-C10-C8-C9
16	B	1235	CLA	C11-C10-C8-C9
16	W	515	CLA	C14-C13-C15-C16
16	X	510	CLA	C11-C12-C13-C14
16	X	511	CLA	C11-C12-C13-C14
16	X	515	CLA	C11-C10-C8-C9
16	Z	504	CLA	C11-C10-C8-C9
16	Z	510	CLA	C6-C7-C8-C9
16	Z	511	CLA	C11-C10-C8-C9
16	g	504	CLA	C11-C10-C8-C9
16	y	511	CLA	C14-C13-C15-C16
16	a	1022	CLA	C14-C13-C15-C16
16	a	1101	CLA	C11-C10-C8-C9
16	a	1119	CLA	C6-C7-C8-C9
16	a	1122	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
16	a	1124	CLA	C14-C13-C15-C16
16	a	1125	CLA	C11-C10-C8-C9
16	a	1128	CLA	C14-C13-C15-C16
16	b	1023	CLA	C11-C10-C8-C9
16	b	1207	CLA	C11-C12-C13-C14
16	b	1207	CLA	C14-C13-C15-C16
16	b	1211	CLA	C11-C10-C8-C9
16	b	1235	CLA	C11-C10-C8-C9
16	o	510	CLA	C11-C12-C13-C14
16	o	511	CLA	C11-C12-C13-C14
16	q	510	CLA	C6-C7-C8-C9
16	r	504	CLA	C11-C10-C8-C9
16	r	515	CLA	C14-C13-C15-C16
16	H	1022	CLA	C14-C13-C15-C16
16	H	1101	CLA	C11-C10-C8-C9
16	H	1119	CLA	C6-C7-C8-C9
16	H	1122	CLA	C6-C7-C8-C9
16	H	1124	CLA	C14-C13-C15-C16
16	H	1125	CLA	C11-C10-C8-C9
16	H	1128	CLA	C14-C13-C15-C16
16	G	1023	CLA	C11-C10-C8-C9
16	G	1207	CLA	C11-C12-C13-C14
16	G	1207	CLA	C14-C13-C15-C16
16	G	1211	CLA	C11-C10-C8-C9
16	G	1235	CLA	C11-C10-C8-C9
16	t	515	CLA	C11-C12-C13-C14
16	u	510	CLA	C11-C12-C13-C14
16	u	511	CLA	C11-C12-C13-C14
16	s	510	CLA	C11-C12-C13-C14
16	s	511	CLA	C11-C10-C8-C9
16	w	510	CLA	C6-C7-C8-C9
16	x	504	CLA	C11-C10-C8-C9
19	h	604	BCR	C15-C16-C17-C18
16	h	509	CLA	C11-C12-C13-C14
16	o	502	CLA	O1D-CGD-O2D-CED
16	g	504	CLA	CBA-CGA-O2A-C1
16	n	510	CLA	CBA-CGA-O2A-C1
16	A	1126	CLA	C10-C11-C12-C13
16	a	1126	CLA	C10-C11-C12-C13
16	H	1126	CLA	C10-C11-C12-C13
16	w	509	CLA	C5-C6-C7-C8
13	A	851	LHG	C4-C5-C6-O8

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Mol	Chain	Res	Type	Atoms
13	a	851	LHG	C4-C5-C6-O8
13	H	851	LHG	C4-C5-C6-O8
14	p	701	LMG	C7-C8-C9-O8
16	B	1012	CLA	O1A-CGA-O2A-C1
16	b	1012	CLA	O1A-CGA-O2A-C1
16	G	1012	CLA	O1A-CGA-O2A-C1
16	x	506	CLA	O1A-CGA-O2A-C1
16	r	511	CLA	C3-C5-C6-C7
16	y	514	CLA	O1D-CGD-O2D-CED
16	q	511	CLA	C15-C16-C17-C18
16	r	506	CLA	C8-C10-C11-C12
16	w	511	CLA	C15-C16-C17-C18
14	A	4201	LMG	C29-C28-O8-C9
14	a	4201	LMG	C29-C28-O8-C9
14	H	4201	LMG	C29-C28-O8-C9
16	A	1237	CLA	CBA-CGA-O2A-C1
16	a	1237	CLA	CBA-CGA-O2A-C1
16	b	1221	CLA	CBA-CGA-O2A-C1
16	H	1237	CLA	CBA-CGA-O2A-C1
16	G	1221	CLA	CBA-CGA-O2A-C1
16	s	505	CLA	CBA-CGA-O2A-C1
14	B	848	LMG	O6-C5-C6-O5
14	b	848	LMG	O6-C5-C6-O5
14	G	848	LMG	O6-C5-C6-O5
16	n	505	CLA	C10-C11-C12-C13
16	r	503	CLA	O1A-CGA-O2A-C1
19	B	4004	BCR	C20-C21-C22-C37
19	F	4016	BCR	C35-C13-C14-C15
19	y	603	BCR	C16-C17-C18-C36
19	b	4004	BCR	C20-C21-C22-C37
19	h	604	BCR	C16-C17-C18-C36
19	h	604	BCR	C20-C21-C22-C37
19	G	4004	BCR	C20-C21-C22-C37
19	s	604	BCR	C20-C21-C22-C37
19	x	602	BCR	C35-C13-C14-C15
19	v	603	BCR	C16-C17-C18-C36
19	f	4016	BCR	C35-C13-C14-C15
19	Q	4016	BCR	C35-C13-C14-C15
16	B	1225	CLA	C5-C6-C7-C8
16	b	1225	CLA	C5-C6-C7-C8
16	G	1225	CLA	C5-C6-C7-C8
16	g	513	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
16	q	507	CLA	O1A-CGA-O2A-C1
16	w	509	CLA	C4-C3-C5-C6
16	A	1131	CLA	C2-C3-C5-C6
16	A	1138	CLA	C2-C3-C5-C6
16	B	1210	CLA	C2-C3-C5-C6
16	g	504	CLA	C2-C3-C5-C6
16	a	1131	CLA	C2-C3-C5-C6
16	a	1138	CLA	C2-C3-C5-C6
16	b	1210	CLA	C2-C3-C5-C6
16	H	1131	CLA	C2-C3-C5-C6
16	H	1138	CLA	C2-C3-C5-C6
16	G	1210	CLA	C2-C3-C5-C6
16	B	1221	CLA	CBA-CGA-O2A-C1
16	v	504	CLA	CBA-CGA-O2A-C1
16	B	1223	CLA	C5-C6-C7-C8
16	B	1224	CLA	C8-C10-C11-C12
16	X	515	CLA	C5-C6-C7-C8
16	b	1223	CLA	C5-C6-C7-C8
16	h	506	CLA	C5-C6-C7-C8
16	s	515	CLA	C15-C16-C17-C18
19	Z	601	BCR	C11-C12-C13-C35
19	S	4012	BCR	C36-C18-C19-C20
19	Y	602	BCR	C21-C22-C23-C24
19	x	603	BCR	C7-C8-C9-C10
16	w	507	CLA	O1A-CGA-O2A-C1
16	A	1101	CLA	C8-C10-C11-C12
16	B	1238	CLA	C10-C11-C12-C13
16	Y	511	CLA	C8-C10-C11-C12
16	a	1101	CLA	C8-C10-C11-C12
16	b	1224	CLA	C8-C10-C11-C12
16	b	1238	CLA	C10-C11-C12-C13
16	o	515	CLA	C8-C10-C11-C12
16	p	517	CLA	C5-C6-C7-C8
16	H	1101	CLA	C8-C10-C11-C12
16	G	1223	CLA	C5-C6-C7-C8
16	G	1224	CLA	C8-C10-C11-C12
16	G	1238	CLA	C10-C11-C12-C13
16	t	511	CLA	C8-C10-C11-C12
16	s	517	CLA	C5-C6-C7-C8
16	B	1021	CLA	C2A-CAA-CBA-CGA
16	Z	513	CLA	C2A-CAA-CBA-CGA
16	b	1021	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
16	h	505	CLA	C2A-CAA-CBA-CGA
16	G	1021	CLA	C2A-CAA-CBA-CGA
16	x	517	CLA	C2A-CAA-CBA-CGA
16	H	1140	CLA	C5-C6-C7-C8
16	g	506	CLA	O1A-CGA-O2A-C1
16	p	506	CLA	CBA-CGA-O2A-C1
16	u	504	CLA	CBA-CGA-O2A-C1
14	B	848	LMG	C33-C34-C35-C36
14	b	848	LMG	C33-C34-C35-C36
14	G	848	LMG	C33-C34-C35-C36
19	J	4012	BCR	C10-C11-C12-C13
19	X	601	BCR	C18-C19-C20-C21
19	X	602	BCR	C10-C11-C12-C13
19	o	601	BCR	C18-C19-C20-C21
19	u	602	BCR	C18-C19-C20-C21
19	j	4012	BCR	C10-C11-C12-C13
19	S	4012	BCR	C10-C11-C12-C13
16	A	1140	CLA	C5-C6-C7-C8
16	a	1140	CLA	C5-C6-C7-C8
14	B	848	LMG	C13-C14-C15-C16
14	b	848	LMG	C13-C14-C15-C16
14	G	848	LMG	C13-C14-C15-C16
19	n	601	BCR	C15-C16-C17-C18
16	r	506	CLA	C11-C12-C13-C14
16	A	1118	CLA	C3-C5-C6-C7
16	a	1118	CLA	C3-C5-C6-C7
16	H	1118	CLA	C3-C5-C6-C7
19	I	4020	BCR	C11-C10-C9-C8
19	i	4020	BCR	C11-C10-C9-C8
19	r	602	BCR	C12-C13-C14-C15
19	R	4020	BCR	C11-C10-C9-C8
19	t	603	BCR	C22-C23-C24-C25
16	B	1223	CLA	C13-C15-C16-C17
16	b	1223	CLA	C13-C15-C16-C17
16	r	507	CLA	C13-C15-C16-C17
16	G	1223	CLA	C13-C15-C16-C17
16	u	511	CLA	C10-C11-C12-C13
17	B	2002	PQN	C25-C26-C27-C28
17	b	2002	PQN	C25-C26-C27-C28
17	G	2002	PQN	C25-C26-C27-C28
16	y	508	CLA	O1D-CGD-O2D-CED
16	r	509	CLA	O1D-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	B	848	LMG	C29-C28-O8-C9
14	b	848	LMG	C29-C28-O8-C9
14	G	848	LMG	C29-C28-O8-C9
16	A	1109	CLA	CBA-CGA-O2A-C1
16	a	1109	CLA	CBA-CGA-O2A-C1
16	h	504	CLA	CBA-CGA-O2A-C1
16	H	1109	CLA	CBA-CGA-O2A-C1
16	B	1217	CLA	CBD-CGD-O2D-CED
16	B	1226	CLA	C4-C3-C5-C6
16	b	1226	CLA	C4-C3-C5-C6
16	r	504	CLA	C4-C3-C5-C6
16	G	1226	CLA	C4-C3-C5-C6
16	p	509	CLA	C2-C3-C5-C6
16	x	508	CLA	C3-C5-C6-C7
16	B	1214	CLA	C6-C7-C8-C9
16	Z	505	CLA	C16-C17-C18-C19
16	b	1214	CLA	C6-C7-C8-C9
16	G	1214	CLA	C6-C7-C8-C9
16	u	517	CLA	C6-C7-C8-C10
14	p	701	LMG	C12-C13-C14-C15
14	p	701	LMG	C32-C33-C34-C35
14	A	4101	LMG	O7-C8-C9-O8
14	a	4101	LMG	O7-C8-C9-O8
14	H	4101	LMG	O7-C8-C9-O8
13	A	851	LHG	C24-C23-O8-C6
13	a	851	LHG	C24-C23-O8-C6
16	A	1140	CLA	O1D-CGD-O2D-CED
16	a	1140	CLA	O1D-CGD-O2D-CED
16	H	1140	CLA	O1D-CGD-O2D-CED
16	a	1116	CLA	C2A-CAA-CBA-CGA
16	H	1116	CLA	C2A-CAA-CBA-CGA
16	B	1207	CLA	C3-C5-C6-C7
16	B	1215	CLA	C3-C5-C6-C7
16	b	1207	CLA	C3-C5-C6-C7
16	b	1215	CLA	C3-C5-C6-C7
16	G	1207	CLA	C3-C5-C6-C7
16	G	1215	CLA	C3-C5-C6-C7
16	u	509	CLA	C3-C5-C6-C7
16	W	501	CLA	C2-C1-O2A-CGA
16	L	1501	CLA	C16-C17-C18-C20
16	l	1501	CLA	C16-C17-C18-C20
16	o	504	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
16	U	1501	CLA	C16-C17-C18-C20
16	G	1217	CLA	CBD-CGD-O2D-CED
16	A	1237	CLA	O1A-CGA-O2A-C1
16	a	1237	CLA	O1A-CGA-O2A-C1
16	H	1237	CLA	O1A-CGA-O2A-C1
16	g	501	CLA	O1D-CGD-O2D-CED
13	H	851	LHG	C24-C23-O8-C6
16	B	1225	CLA	CBA-CGA-O2A-C1
16	Y	506	CLA	CBA-CGA-O2A-C1
16	b	1225	CLA	CBA-CGA-O2A-C1
16	G	1225	CLA	CBA-CGA-O2A-C1
16	s	506	CLA	CBA-CGA-O2A-C1
16	a	1122	CLA	C10-C11-C12-C13
16	H	1122	CLA	C10-C11-C12-C13
16	g	503	CLA	O1A-CGA-O2A-C1
16	b	1217	CLA	CBD-CGD-O2D-CED
13	I	103	LHG	C30-C31-C32-C33
13	i	103	LHG	C30-C31-C32-C33
13	R	103	LHG	C30-C31-C32-C33
16	A	1122	CLA	C10-C11-C12-C13
14	p	701	LMG	C10-C11-C12-C13
16	B	1023	CLA	C8-C10-C11-C12
16	B	1215	CLA	C8-C10-C11-C12
16	a	1109	CLA	C13-C15-C16-C17
16	b	1023	CLA	C8-C10-C11-C12
16	b	1215	CLA	C8-C10-C11-C12
16	G	1023	CLA	C8-C10-C11-C12
16	G	1215	CLA	C8-C10-C11-C12
16	v	506	CLA	C5-C6-C7-C8
16	B	1214	CLA	C6-C7-C8-C10
16	Z	505	CLA	C16-C17-C18-C20
16	b	1214	CLA	C6-C7-C8-C10
16	o	510	CLA	C16-C17-C18-C19
16	G	1214	CLA	C6-C7-C8-C10
16	u	504	CLA	C11-C12-C13-C15
16	A	1138	CLA	C4-C3-C5-C6
16	B	1202	CLA	C4-C3-C5-C6
16	Z	509	CLA	C4-C3-C5-C6
16	a	1138	CLA	C4-C3-C5-C6
16	b	1202	CLA	C4-C3-C5-C6
16	h	505	CLA	C4-C3-C5-C6
16	H	1138	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
16	G	1202	CLA	C4-C3-C5-C6
16	x	504	CLA	C4-C3-C5-C6
16	a	1124	CLA	C2-C3-C5-C6
16	H	1124	CLA	C2-C3-C5-C6
14	A	852	LMG	C29-C28-O8-C9
14	a	852	LMG	C29-C28-O8-C9
14	H	852	LMG	C29-C28-O8-C9
16	Y	510	CLA	CBA-CGA-O2A-C1
16	A	1109	CLA	C13-C15-C16-C17
16	X	510	CLA	C10-C11-C12-C13
16	h	509	CLA	C10-C11-C12-C13
16	H	1109	CLA	C13-C15-C16-C17
15	A	1011	CL0	C6-C7-C8-C9
15	a	1011	CL0	C6-C7-C8-C9
15	H	1011	CL0	C6-C7-C8-C9
16	A	1105	CLA	C6-C7-C8-C9
16	A	1119	CLA	C14-C13-C15-C16
16	A	1140	CLA	C11-C10-C8-C9
16	A	1237	CLA	C11-C10-C8-C9
16	B	1012	CLA	C6-C7-C8-C9
16	B	1206	CLA	C11-C10-C8-C9
16	B	1210	CLA	C11-C12-C13-C14
16	B	1215	CLA	C11-C10-C8-C9
16	B	1226	CLA	C6-C7-C8-C9
16	W	510	CLA	C14-C13-C15-C16
16	W	511	CLA	C11-C10-C8-C9
16	Y	511	CLA	C11-C10-C8-C9
16	Z	511	CLA	C14-C13-C15-C16
16	a	1105	CLA	C6-C7-C8-C9
16	a	1119	CLA	C14-C13-C15-C16
16	a	1140	CLA	C11-C10-C8-C9
16	a	1237	CLA	C11-C10-C8-C9
16	b	1012	CLA	C6-C7-C8-C9
16	b	1206	CLA	C11-C10-C8-C9
16	b	1210	CLA	C11-C12-C13-C14
16	b	1215	CLA	C11-C10-C8-C9
16	b	1226	CLA	C6-C7-C8-C9
16	n	510	CLA	C14-C13-C15-C16
16	n	511	CLA	C11-C10-C8-C9
16	n	515	CLA	C14-C13-C15-C16
16	q	507	CLA	C14-C13-C15-C16
16	q	511	CLA	C14-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
16	h	511	CLA	C14-C13-C15-C16
16	H	1105	CLA	C6-C7-C8-C9
16	H	1119	CLA	C14-C13-C15-C16
16	H	1140	CLA	C11-C10-C8-C9
16	H	1237	CLA	C11-C10-C8-C9
16	G	1012	CLA	C6-C7-C8-C9
16	G	1206	CLA	C11-C10-C8-C9
16	G	1210	CLA	C11-C12-C13-C14
16	G	1215	CLA	C11-C10-C8-C9
16	G	1226	CLA	C6-C7-C8-C9
16	t	510	CLA	C14-C13-C15-C16
16	t	511	CLA	C11-C10-C8-C9
16	t	515	CLA	C11-C10-C8-C9
16	t	515	CLA	C14-C13-C15-C16
16	u	507	CLA	C14-C13-C15-C16
16	u	515	CLA	C11-C10-C8-C9
16	w	511	CLA	C14-C13-C15-C16
16	x	515	CLA	C14-C13-C15-C16
16	v	511	CLA	C14-C13-C15-C16
17	A	2001	PQN	C16-C17-C18-C19
17	a	2001	PQN	C16-C17-C18-C19
17	H	2001	PQN	C16-C17-C18-C19
16	u	515	CLA	C5-C6-C7-C8
16	s	507	CLA	C5-C6-C7-C8
15	A	1011	CL0	C4B-C3B-CAB-CBB
15	a	1011	CL0	C4B-C3B-CAB-CBB
15	H	1011	CL0	C4B-C3B-CAB-CBB
16	A	1110	CLA	C4B-C3B-CAB-CBB
16	A	1120	CLA	C4B-C3B-CAB-CBB
16	B	1023	CLA	C4B-C3B-CAB-CBB
16	B	1203	CLA	C4B-C3B-CAB-CBB
16	B	1212	CLA	C4B-C3B-CAB-CBB
16	B	1213	CLA	C4B-C3B-CAB-CBB
16	B	1219	CLA	C4B-C3B-CAB-CBB
16	B	1224	CLA	C4B-C3B-CAB-CBB
16	B	1228	CLA	C4B-C3B-CAB-CBB
16	B	1236	CLA	C4B-C3B-CAB-CBB
16	L	1501	CLA	C4B-C3B-CAB-CBB
16	W	504	CLA	C4B-C3B-CAB-CBB
16	W	507	CLA	C4B-C3B-CAB-CBB
16	W	510	CLA	C4B-C3B-CAB-CBB
16	W	515	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
16	W	516	CLA	C4B-C3B-CAB-CBB
16	W	517	CLA	C4B-C3B-CAB-CBB
16	X	509	CLA	C4B-C3B-CAB-CBB
16	X	516	CLA	C4B-C3B-CAB-CBB
16	Y	503	CLA	C4B-C3B-CAB-CBB
16	Y	506	CLA	C4B-C3B-CAB-CBB
16	Y	510	CLA	C4B-C3B-CAB-CBB
16	Y	511	CLA	C4B-C3B-CAB-CBB
16	Z	504	CLA	C4B-C3B-CAB-CBB
16	Z	506	CLA	C4B-C3B-CAB-CBB
16	Z	509	CLA	C4B-C3B-CAB-CBB
16	Z	510	CLA	C4B-C3B-CAB-CBB
16	Z	516	CLA	C4B-C3B-CAB-CBB
16	g	517	CLA	C4B-C3B-CAB-CBB
16	y	504	CLA	C4B-C3B-CAB-CBB
16	y	516	CLA	C4B-C3B-CAB-CBB
16	a	1110	CLA	C4B-C3B-CAB-CBB
16	a	1120	CLA	C4B-C3B-CAB-CBB
16	b	1023	CLA	C4B-C3B-CAB-CBB
16	b	1212	CLA	C4B-C3B-CAB-CBB
16	b	1213	CLA	C4B-C3B-CAB-CBB
16	b	1219	CLA	C4B-C3B-CAB-CBB
16	b	1224	CLA	C4B-C3B-CAB-CBB
16	b	1228	CLA	C4B-C3B-CAB-CBB
16	b	1236	CLA	C4B-C3B-CAB-CBB
16	l	1501	CLA	C4B-C3B-CAB-CBB
16	n	507	CLA	C4B-C3B-CAB-CBB
16	n	509	CLA	C4B-C3B-CAB-CBB
16	n	516	CLA	C4B-C3B-CAB-CBB
16	o	502	CLA	C4B-C3B-CAB-CBB
16	o	507	CLA	C4B-C3B-CAB-CBB
16	o	509	CLA	C4B-C3B-CAB-CBB
16	o	516	CLA	C4B-C3B-CAB-CBB
16	p	503	CLA	C4B-C3B-CAB-CBB
16	p	505	CLA	C4B-C3B-CAB-CBB
16	p	506	CLA	C4B-C3B-CAB-CBB
16	p	516	CLA	C4B-C3B-CAB-CBB
16	q	506	CLA	C4B-C3B-CAB-CBB
16	q	509	CLA	C4B-C3B-CAB-CBB
16	q	510	CLA	C4B-C3B-CAB-CBB
16	q	516	CLA	C4B-C3B-CAB-CBB
16	r	507	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
16	h	506	CLA	C4B-C3B-CAB-CBB
16	h	509	CLA	C4B-C3B-CAB-CBB
16	h	514	CLA	C4B-C3B-CAB-CBB
16	h	515	CLA	C4B-C3B-CAB-CBB
16	h	516	CLA	C4B-C3B-CAB-CBB
16	H	1110	CLA	C4B-C3B-CAB-CBB
16	H	1120	CLA	C4B-C3B-CAB-CBB
16	G	1023	CLA	C4B-C3B-CAB-CBB
16	G	1203	CLA	C4B-C3B-CAB-CBB
16	G	1212	CLA	C4B-C3B-CAB-CBB
16	G	1213	CLA	C4B-C3B-CAB-CBB
16	G	1219	CLA	C4B-C3B-CAB-CBB
16	G	1224	CLA	C4B-C3B-CAB-CBB
16	G	1228	CLA	C4B-C3B-CAB-CBB
16	G	1236	CLA	C4B-C3B-CAB-CBB
16	U	1501	CLA	C4B-C3B-CAB-CBB
16	t	504	CLA	C4B-C3B-CAB-CBB
16	t	507	CLA	C4B-C3B-CAB-CBB
16	t	509	CLA	C4B-C3B-CAB-CBB
16	t	516	CLA	C4B-C3B-CAB-CBB
16	u	502	CLA	C4B-C3B-CAB-CBB
16	u	507	CLA	C4B-C3B-CAB-CBB
16	u	509	CLA	C4B-C3B-CAB-CBB
16	u	516	CLA	C4B-C3B-CAB-CBB
16	s	503	CLA	C4B-C3B-CAB-CBB
16	s	505	CLA	C4B-C3B-CAB-CBB
16	s	510	CLA	C4B-C3B-CAB-CBB
16	s	511	CLA	C4B-C3B-CAB-CBB
16	s	516	CLA	C4B-C3B-CAB-CBB
16	w	504	CLA	C4B-C3B-CAB-CBB
16	w	505	CLA	C4B-C3B-CAB-CBB
16	w	506	CLA	C4B-C3B-CAB-CBB
16	w	509	CLA	C4B-C3B-CAB-CBB
16	w	510	CLA	C4B-C3B-CAB-CBB
16	w	516	CLA	C4B-C3B-CAB-CBB
16	x	507	CLA	C4B-C3B-CAB-CBB
16	x	509	CLA	C4B-C3B-CAB-CBB
16	x	516	CLA	C4B-C3B-CAB-CBB
16	v	506	CLA	C4B-C3B-CAB-CBB
16	v	514	CLA	C4B-C3B-CAB-CBB
16	v	516	CLA	C4B-C3B-CAB-CBB
16	X	511	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
16	n	511	CLA	C8-C10-C11-C12
16	u	510	CLA	C16-C17-C18-C19
16	A	1120	CLA	CBA-CGA-O2A-C1
16	a	1120	CLA	CBA-CGA-O2A-C1
16	H	1120	CLA	CBA-CGA-O2A-C1
16	A	1116	CLA	C2A-CAA-CBA-CGA
16	Y	508	CLA	C2A-CAA-CBA-CGA
16	t	516	CLA	C2A-CAA-CBA-CGA
16	u	508	CLA	C2A-CAA-CBA-CGA
16	u	514	CLA	O1D-CGD-O2D-CED
16	A	1103	CLA	C5-C6-C7-C8
16	A	1123	CLA	C15-C16-C17-C18
16	o	509	CLA	C3-C5-C6-C7
15	A	1011	CL0	C6-C7-C8-C10
15	a	1011	CL0	C6-C7-C8-C10
15	H	1011	CL0	C6-C7-C8-C10
16	A	1022	CLA	C12-C13-C15-C16
16	A	1101	CLA	C11-C10-C8-C7
16	A	1122	CLA	C6-C7-C8-C10
16	A	1125	CLA	C6-C7-C8-C10
16	A	1237	CLA	C11-C10-C8-C7
16	B	1012	CLA	C11-C10-C8-C7
16	B	1204	CLA	C11-C10-C8-C7
16	B	1206	CLA	C11-C10-C8-C7
16	B	1207	CLA	C12-C13-C15-C16
16	B	1210	CLA	C11-C12-C13-C15
16	B	1211	CLA	C11-C10-C8-C7
16	B	1224	CLA	C11-C10-C8-C7
16	B	1226	CLA	C6-C7-C8-C10
16	B	1239	CLA	C11-C10-C8-C7
16	B	1239	CLA	C11-C12-C13-C15
16	W	511	CLA	C11-C10-C8-C7
16	X	507	CLA	C11-C10-C8-C7
16	X	511	CLA	C11-C12-C13-C15
16	Y	511	CLA	C11-C10-C8-C7
16	Z	504	CLA	C11-C10-C8-C7
16	g	504	CLA	C11-C10-C8-C7
16	y	505	CLA	C11-C10-C8-C7
16	y	510	CLA	C11-C10-C8-C7
16	y	511	CLA	C12-C13-C15-C16
16	a	1022	CLA	C12-C13-C15-C16
16	a	1101	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
16	a	1122	CLA	C6-C7-C8-C10
16	a	1125	CLA	C6-C7-C8-C10
16	a	1237	CLA	C11-C10-C8-C7
16	b	1012	CLA	C11-C10-C8-C7
16	b	1204	CLA	C11-C10-C8-C7
16	b	1206	CLA	C11-C10-C8-C7
16	b	1207	CLA	C12-C13-C15-C16
16	b	1210	CLA	C11-C12-C13-C15
16	b	1211	CLA	C11-C10-C8-C7
16	b	1224	CLA	C11-C10-C8-C7
16	b	1226	CLA	C6-C7-C8-C10
16	b	1239	CLA	C11-C10-C8-C7
16	b	1239	CLA	C11-C12-C13-C15
16	n	509	CLA	C11-C10-C8-C7
16	n	511	CLA	C11-C10-C8-C7
16	n	515	CLA	C12-C13-C15-C16
16	o	507	CLA	C11-C10-C8-C7
16	o	510	CLA	C11-C12-C13-C15
16	o	511	CLA	C11-C12-C13-C15
16	p	507	CLA	C11-C10-C8-C7
16	p	511	CLA	C12-C13-C15-C16
16	q	509	CLA	C6-C7-C8-C10
16	r	509	CLA	C11-C10-C8-C7
16	h	510	CLA	C11-C10-C8-C7
16	H	1022	CLA	C12-C13-C15-C16
16	H	1101	CLA	C11-C10-C8-C7
16	H	1122	CLA	C6-C7-C8-C10
16	H	1125	CLA	C6-C7-C8-C10
16	H	1237	CLA	C11-C10-C8-C7
16	G	1012	CLA	C11-C10-C8-C7
16	G	1204	CLA	C11-C10-C8-C7
16	G	1206	CLA	C11-C10-C8-C7
16	G	1207	CLA	C12-C13-C15-C16
16	G	1210	CLA	C11-C12-C13-C15
16	G	1211	CLA	C11-C10-C8-C7
16	G	1224	CLA	C11-C10-C8-C7
16	G	1226	CLA	C6-C7-C8-C10
16	G	1239	CLA	C11-C10-C8-C7
16	G	1239	CLA	C11-C12-C13-C15
16	t	511	CLA	C11-C10-C8-C7
16	t	515	CLA	C11-C10-C8-C7
16	t	515	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
16	u	507	CLA	C11-C10-C8-C7
16	u	507	CLA	C12-C13-C15-C16
16	u	510	CLA	C11-C12-C13-C15
16	u	511	CLA	C11-C12-C13-C15
16	s	509	CLA	C11-C10-C8-C7
16	s	511	CLA	C11-C10-C8-C7
16	w	504	CLA	C11-C10-C8-C7
16	w	511	CLA	C11-C10-C8-C7
16	v	504	CLA	C11-C10-C8-C7
16	v	510	CLA	C11-C10-C8-C7
16	a	1103	CLA	C5-C6-C7-C8
16	a	1123	CLA	C15-C16-C17-C18
16	H	1103	CLA	C5-C6-C7-C8
16	H	1123	CLA	C15-C16-C17-C18
16	u	515	CLA	C8-C10-C11-C12
16	s	511	CLA	C8-C10-C11-C12
16	X	510	CLA	C16-C17-C18-C19
16	u	517	CLA	C6-C7-C8-C9
16	g	504	CLA	O1A-CGA-O2A-C1
16	n	510	CLA	O1A-CGA-O2A-C1
16	A	1107	CLA	C3A-C2A-CAA-CBA
16	A	1108	CLA	C3A-C2A-CAA-CBA
16	A	1124	CLA	C4-C3-C5-C6
16	A	1126	CLA	C3A-C2A-CAA-CBA
16	A	1140	CLA	C3A-C2A-CAA-CBA
16	B	1217	CLA	C3A-C2A-CAA-CBA
16	L	1502	CLA	C3A-C2A-CAA-CBA
16	W	505	CLA	C3A-C2A-CAA-CBA
16	W	513	CLA	C3A-C2A-CAA-CBA
16	Y	511	CLA	C3A-C2A-CAA-CBA
16	Y	516	CLA	C3A-C2A-CAA-CBA
16	Z	513	CLA	C3A-C2A-CAA-CBA
16	a	1107	CLA	C3A-C2A-CAA-CBA
16	a	1108	CLA	C3A-C2A-CAA-CBA
16	a	1124	CLA	C4-C3-C5-C6
16	a	1126	CLA	C3A-C2A-CAA-CBA
16	a	1140	CLA	C3A-C2A-CAA-CBA
16	b	1217	CLA	C3A-C2A-CAA-CBA
16	l	1502	CLA	C3A-C2A-CAA-CBA
16	n	508	CLA	C3A-C2A-CAA-CBA
16	p	511	CLA	C3A-C2A-CAA-CBA
16	r	513	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
16	H	1107	CLA	C3A-C2A-CAA-CBA
16	H	1108	CLA	C3A-C2A-CAA-CBA
16	H	1124	CLA	C4-C3-C5-C6
16	H	1126	CLA	C3A-C2A-CAA-CBA
16	H	1140	CLA	C3A-C2A-CAA-CBA
16	G	1217	CLA	C3A-C2A-CAA-CBA
16	U	1502	CLA	C3A-C2A-CAA-CBA
16	t	505	CLA	C3A-C2A-CAA-CBA
16	t	508	CLA	C3A-C2A-CAA-CBA
16	t	513	CLA	C3A-C2A-CAA-CBA
16	s	511	CLA	C3A-C2A-CAA-CBA
16	x	513	CLA	C3A-C2A-CAA-CBA
16	A	1124	CLA	C2-C3-C5-C6
16	B	1202	CLA	C2-C3-C5-C6
16	B	1221	CLA	O1A-CGA-O2A-C1
16	b	1221	CLA	O1A-CGA-O2A-C1
16	G	1221	CLA	O1A-CGA-O2A-C1
16	s	505	CLA	O1A-CGA-O2A-C1
16	B	1211	CLA	C8-C10-C11-C12
16	b	1211	CLA	C8-C10-C11-C12
16	G	1211	CLA	C8-C10-C11-C12
16	r	514	CLA	CBA-CGA-O2A-C1
19	g	604	BCR	C9-C10-C11-C12
19	g	604	BCR	C15-C16-C17-C18
19	y	601	BCR	C9-C10-C11-C12
19	y	602	BCR	C13-C14-C15-C16
19	s	604	BCR	C13-C14-C15-C16
19	x	604	BCR	C9-C10-C11-C12
16	W	515	CLA	C3-C5-C6-C7
16	n	515	CLA	C3-C5-C6-C7
16	L	1501	CLA	C16-C17-C18-C19
16	l	1501	CLA	C16-C17-C18-C19
19	p	601	BCR	C11-C12-C13-C35
19	r	604	BCR	C37-C22-C23-C24
19	h	603	BCR	C11-C12-C13-C35
16	A	1121	CLA	C4-C3-C5-C6
16	a	1121	CLA	C4-C3-C5-C6
16	H	1121	CLA	C4-C3-C5-C6
16	u	504	CLA	O1A-CGA-O2A-C1
16	v	504	CLA	O1A-CGA-O2A-C1
19	W	601	BCR	C7-C8-C9-C10
16	B	1227	CLA	O2A-C1-C2-C3

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Mol	Chain	Res	Type	Atoms
16	b	1227	CLA	O2A-C1-C2-C3
16	G	1227	CLA	O2A-C1-C2-C3
16	W	517	CLA	C2A-CAA-CBA-CGA
13	I	103	LHG	C4-C5-C6-O8
13	i	103	LHG	C4-C5-C6-O8
13	R	103	LHG	C4-C5-C6-O8
14	A	4101	LMG	C7-C8-C9-O8
14	Y	701	LMG	C7-C8-C9-O8
14	a	4101	LMG	C7-C8-C9-O8
14	H	4101	LMG	C7-C8-C9-O8
14	s	701	LMG	C7-C8-C9-O8
14	a	4101	LMG	C17-C18-C19-C20
14	H	4101	LMG	C17-C18-C19-C20
16	U	1501	CLA	C16-C17-C18-C19
16	B	1229	CLA	C5-C6-C7-C8
16	b	1229	CLA	C5-C6-C7-C8
16	G	1229	CLA	C5-C6-C7-C8
16	p	506	CLA	O1A-CGA-O2A-C1
14	A	4101	LMG	C17-C18-C19-C20
16	b	1202	CLA	C2-C3-C5-C6
16	G	1202	CLA	C2-C3-C5-C6
16	g	517	CLA	C3-C5-C6-C7
16	Y	509	CLA	CBD-CGD-O2D-CED
16	b	1221	CLA	CBD-CGD-O2D-CED
16	G	1221	CLA	CBD-CGD-O2D-CED
16	x	503	CLA	O1A-CGA-O2A-C1
16	L	1502	CLA	C16-C17-C18-C20
16	W	508	CLA	C6-C7-C8-C10
16	l	1502	CLA	C16-C17-C18-C20
16	o	510	CLA	C16-C17-C18-C20
16	o	517	CLA	C6-C7-C8-C10
16	U	1502	CLA	C16-C17-C18-C20
13	A	849	LHG	C24-C25-C26-C27
16	q	504	CLA	O1D-CGD-O2D-CED
16	Z	514	CLA	C2B-C3B-CAB-CBB
16	o	502	CLA	C2B-C3B-CAB-CBB
16	p	514	CLA	C2B-C3B-CAB-CBB
16	u	502	CLA	C2B-C3B-CAB-CBB
16	s	505	CLA	C2B-C3B-CAB-CBB
16	s	514	CLA	C2B-C3B-CAB-CBB
19	A	4001	BCR	C1-C6-C7-C8
19	A	4007	BCR	C1-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
19	A	4007	BCR	C23-C24-C25-C30
19	A	4008	BCR	C1-C6-C7-C8
19	A	4008	BCR	C23-C24-C25-C30
19	B	4004	BCR	C1-C6-C7-C8
19	B	4004	BCR	C23-C24-C25-C30
19	B	4005	BCR	C1-C6-C7-C8
19	B	4010	BCR	C1-C6-C7-C8
19	B	4014	BCR	C1-C6-C7-C8
19	B	4017	BCR	C1-C6-C7-C8
19	I	4018	BCR	C1-C6-C7-C8
19	I	4020	BCR	C23-C24-C25-C30
19	J	4012	BCR	C1-C6-C7-C8
19	L	4019	BCR	C1-C6-C7-C8
19	M	4021	BCR	C1-C6-C7-C8
19	M	4021	BCR	C23-C24-C25-C30
19	W	601	BCR	C1-C6-C7-C8
19	W	601	BCR	C23-C24-C25-C30
19	W	603	BCR	C1-C6-C7-C8
19	X	601	BCR	C1-C6-C7-C8
19	X	601	BCR	C23-C24-C25-C30
19	X	602	BCR	C1-C6-C7-C8
19	X	603	BCR	C1-C6-C7-C8
19	X	604	BCR	C1-C6-C7-C8
19	Y	601	BCR	C1-C6-C7-C8
19	Y	601	BCR	C23-C24-C25-C30
19	Y	602	BCR	C1-C6-C7-C8
19	Y	603	BCR	C1-C6-C7-C8
19	Y	603	BCR	C23-C24-C25-C30
19	Y	604	BCR	C1-C6-C7-C8
19	Z	601	BCR	C1-C6-C7-C8
19	Z	602	BCR	C1-C6-C7-C8
19	Z	603	BCR	C1-C6-C7-C8
19	Z	603	BCR	C23-C24-C25-C30
19	Z	604	BCR	C1-C6-C7-C8
19	g	601	BCR	C1-C6-C7-C8
19	g	601	BCR	C23-C24-C25-C30
19	g	603	BCR	C1-C6-C7-C8
19	g	603	BCR	C23-C24-C25-C30
19	g	604	BCR	C1-C6-C7-C8
19	y	601	BCR	C1-C6-C7-C8
19	y	601	BCR	C23-C24-C25-C30
19	y	602	BCR	C1-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
19	y	603	BCR	C1-C6-C7-C8
19	y	603	BCR	C23-C24-C25-C30
19	a	4001	BCR	C1-C6-C7-C8
19	a	4007	BCR	C1-C6-C7-C8
19	a	4007	BCR	C23-C24-C25-C30
19	a	4008	BCR	C1-C6-C7-C8
19	a	4008	BCR	C23-C24-C25-C30
19	b	4004	BCR	C1-C6-C7-C8
19	b	4004	BCR	C23-C24-C25-C30
19	b	4005	BCR	C1-C6-C7-C8
19	b	4010	BCR	C1-C6-C7-C8
19	b	4014	BCR	C1-C6-C7-C8
19	b	4017	BCR	C1-C6-C7-C8
19	i	4018	BCR	C1-C6-C7-C8
19	i	4020	BCR	C23-C24-C25-C30
19	k	1501	BCR	C1-C6-C7-C8
19	l	4019	BCR	C1-C6-C7-C8
19	m	4021	BCR	C1-C6-C7-C8
19	m	4021	BCR	C23-C24-C25-C30
19	n	601	BCR	C1-C6-C7-C8
19	n	601	BCR	C23-C24-C25-C30
19	n	603	BCR	C1-C6-C7-C8
19	o	601	BCR	C1-C6-C7-C8
19	o	601	BCR	C23-C24-C25-C30
19	o	602	BCR	C1-C6-C7-C8
19	o	603	BCR	C1-C6-C7-C8
19	p	601	BCR	C1-C6-C7-C8
19	p	601	BCR	C23-C24-C25-C30
19	p	602	BCR	C1-C6-C7-C8
19	p	603	BCR	C1-C6-C7-C8
19	p	603	BCR	C23-C24-C25-C30
19	p	604	BCR	C1-C6-C7-C8
19	p	604	BCR	C23-C24-C25-C30
19	q	601	BCR	C1-C6-C7-C8
19	q	602	BCR	C1-C6-C7-C8
19	q	603	BCR	C1-C6-C7-C8
19	q	604	BCR	C1-C6-C7-C8
19	r	601	BCR	C1-C6-C7-C8
19	r	601	BCR	C23-C24-C25-C30
19	r	603	BCR	C1-C6-C7-C8
19	r	604	BCR	C1-C6-C7-C8
19	h	601	BCR	C1-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
19	h	601	BCR	C23-C24-C25-C30
19	h	602	BCR	C1-C6-C7-C8
19	h	602	BCR	C23-C24-C25-C30
19	h	603	BCR	C1-C6-C7-C8
19	h	603	BCR	C23-C24-C25-C30
19	h	604	BCR	C1-C6-C7-C8
19	H	4001	BCR	C1-C6-C7-C8
19	H	4007	BCR	C1-C6-C7-C8
19	H	4007	BCR	C23-C24-C25-C30
19	H	4008	BCR	C1-C6-C7-C8
19	H	4008	BCR	C23-C24-C25-C30
19	G	4004	BCR	C1-C6-C7-C8
19	G	4004	BCR	C23-C24-C25-C30
19	G	4005	BCR	C1-C6-C7-C8
19	G	4010	BCR	C1-C6-C7-C8
19	G	4014	BCR	C1-C6-C7-C8
19	G	4017	BCR	C1-C6-C7-C8
19	R	4018	BCR	C1-C6-C7-C8
19	R	4020	BCR	C23-C24-C25-C30
19	U	4019	BCR	C1-C6-C7-C8
19	V	4021	BCR	C1-C6-C7-C8
19	V	4021	BCR	C23-C24-C25-C30
19	t	601	BCR	C1-C6-C7-C8
19	t	601	BCR	C23-C24-C25-C30
19	t	603	BCR	C1-C6-C7-C8
19	u	601	BCR	C1-C6-C7-C8
19	u	601	BCR	C23-C24-C25-C30
19	u	602	BCR	C1-C6-C7-C8
19	u	603	BCR	C1-C6-C7-C8
19	u	604	BCR	C1-C6-C7-C8
19	s	601	BCR	C1-C6-C7-C8
19	s	601	BCR	C23-C24-C25-C30
19	s	602	BCR	C1-C6-C7-C8
19	s	603	BCR	C1-C6-C7-C8
19	s	604	BCR	C1-C6-C7-C8
19	s	604	BCR	C23-C24-C25-C30
19	w	601	BCR	C1-C6-C7-C8
19	w	602	BCR	C1-C6-C7-C8
19	w	603	BCR	C1-C6-C7-C8
19	w	603	BCR	C23-C24-C25-C30
19	w	604	BCR	C1-C6-C7-C8
19	x	601	BCR	C1-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
19	x	601	BCR	C23-C24-C25-C30
19	x	603	BCR	C1-C6-C7-C8
19	x	603	BCR	C23-C24-C25-C30
19	x	604	BCR	C1-C6-C7-C8
19	v	601	BCR	C1-C6-C7-C8
19	v	602	BCR	C1-C6-C7-C8
19	v	602	BCR	C23-C24-C25-C30
19	v	603	BCR	C1-C6-C7-C8
19	v	603	BCR	C23-C24-C25-C30
19	v	604	BCR	C1-C6-C7-C8
19	f	4016	BCR	C1-C6-C7-C8
19	Q	4016	BCR	C1-C6-C7-C8
19	j	4012	BCR	C1-C6-C7-C8
19	S	4012	BCR	C1-C6-C7-C8
19	K	1501	BCR	C1-C6-C7-C8
19	T	1501	BCR	C1-C6-C7-C8
13	a	849	LHG	C24-C25-C26-C27
13	H	849	LHG	C24-C25-C26-C27
14	p	701	LMG	C29-C30-C31-C32
16	r	504	CLA	C3-C5-C6-C7
14	a	852	LMG	C10-C11-C12-C13
14	H	852	LMG	C10-C11-C12-C13
14	B	848	LMG	C16-C17-C18-C19
14	b	848	LMG	C16-C17-C18-C19
14	G	848	LMG	C16-C17-C18-C19
16	X	507	CLA	C5-C6-C7-C8
16	x	507	CLA	C15-C16-C17-C18
16	B	1221	CLA	CBD-CGD-O2D-CED
13	R	103	LHG	C32-C33-C34-C35
16	y	503	CLA	CAA-CBA-CGA-O2A
16	B	1211	CLA	C2A-CAA-CBA-CGA
16	g	506	CLA	C2A-CAA-CBA-CGA
16	b	1211	CLA	C2A-CAA-CBA-CGA
16	G	1211	CLA	C2A-CAA-CBA-CGA
14	A	852	LMG	C10-C11-C12-C13
13	I	103	LHG	O7-C5-C6-O8
13	i	103	LHG	O7-C5-C6-O8
13	R	103	LHG	O7-C5-C6-O8
14	s	701	LMG	C32-C33-C34-C35
13	I	103	LHG	C32-C33-C34-C35
13	i	103	LHG	C32-C33-C34-C35
16	X	509	CLA	C4-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
19	X	602	BCR	C18-C19-C20-C21
19	Y	602	BCR	C10-C11-C12-C13
19	y	602	BCR	C18-C19-C20-C21
19	o	602	BCR	C18-C19-C20-C21
19	r	601	BCR	C10-C11-C12-C13
16	Y	509	CLA	C8-C10-C11-C12
16	X	509	CLA	C2-C3-C5-C6
16	Z	509	CLA	C2-C3-C5-C6
14	Y	701	LMG	C32-C33-C34-C35
16	X	510	CLA	C16-C17-C18-C20
16	u	510	CLA	C16-C17-C18-C20
13	i	103	LHG	C31-C32-C33-C34
13	R	103	LHG	C31-C32-C33-C34
16	a	1123	CLA	C13-C15-C16-C17
16	H	1123	CLA	C13-C15-C16-C17
13	A	849	LHG	C7-C8-C9-C10
13	a	849	LHG	C7-C8-C9-C10
13	H	849	LHG	C7-C8-C9-C10
16	Y	505	CLA	CBA-CGA-O2A-C1
13	I	103	LHG	C31-C32-C33-C34
16	A	1117	CLA	C14-C13-C15-C16
16	B	1224	CLA	C11-C10-C8-C9
16	B	1239	CLA	C11-C12-C13-C14
16	Y	504	CLA	C6-C7-C8-C9
16	Z	507	CLA	C14-C13-C15-C16
16	g	515	CLA	C14-C13-C15-C16
16	a	1117	CLA	C14-C13-C15-C16
16	b	1224	CLA	C11-C10-C8-C9
16	b	1239	CLA	C11-C12-C13-C14
16	o	515	CLA	C11-C10-C8-C9
16	p	511	CLA	C14-C13-C15-C16
16	q	504	CLA	C11-C10-C8-C9
16	H	1117	CLA	C14-C13-C15-C16
16	G	1224	CLA	C11-C10-C8-C9
16	G	1239	CLA	C11-C12-C13-C14
16	t	509	CLA	C11-C10-C8-C9
16	v	505	CLA	C11-C10-C8-C9
14	A	852	LMG	C32-C33-C34-C35
14	H	852	LMG	C32-C33-C34-C35
16	A	1123	CLA	C13-C15-C16-C17
16	B	1021	CLA	CAA-CBA-CGA-O2A
16	b	1021	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
16	G	1021	CLA	CAA-CBA-CGA-O2A
14	a	852	LMG	C32-C33-C34-C35
19	B	4006	BCR	C22-C23-C24-C25
19	B	4010	BCR	C6-C7-C8-C9
19	B	4014	BCR	C22-C23-C24-C25
19	W	603	BCR	C22-C23-C24-C25
19	Z	603	BCR	C6-C7-C8-C9
19	b	4006	BCR	C22-C23-C24-C25
19	b	4010	BCR	C6-C7-C8-C9
19	b	4014	BCR	C22-C23-C24-C25
19	q	604	BCR	C22-C23-C24-C25
19	r	604	BCR	C6-C7-C8-C9
19	G	4006	BCR	C22-C23-C24-C25
19	G	4010	BCR	C6-C7-C8-C9
19	G	4014	BCR	C22-C23-C24-C25
16	t	505	CLA	O1D-CGD-O2D-CED
16	n	504	CLA	O1D-CGD-O2D-CED
16	y	509	CLA	C3-C5-C6-C7
16	A	1120	CLA	O2A-C1-C2-C3
16	a	1120	CLA	O2A-C1-C2-C3
16	H	1120	CLA	O2A-C1-C2-C3
16	v	514	CLA	CBD-CGD-O2D-CED
16	X	515	CLA	C8-C10-C11-C12
13	A	849	LHG	O1-C1-C2-O2
13	a	849	LHG	O1-C1-C2-O2
13	H	849	LHG	O1-C1-C2-O2
19	I	4020	BCR	C15-C16-C17-C18
19	i	4020	BCR	C15-C16-C17-C18
19	R	4020	BCR	C15-C16-C17-C18
19	s	601	BCR	C15-C16-C17-C18
19	v	602	BCR	C13-C14-C15-C16
16	L	1502	CLA	C16-C17-C18-C19
16	l	1502	CLA	C16-C17-C18-C19
16	U	1502	CLA	C16-C17-C18-C19
16	u	504	CLA	C11-C12-C13-C14
16	W	517	CLA	C5-C6-C7-C8
16	w	517	CLA	C5-C6-C7-C8
19	A	4001	BCR	C20-C21-C22-C37
19	A	4011	BCR	C20-C21-C22-C37
19	B	4005	BCR	C20-C21-C22-C37
19	I	4020	BCR	C35-C13-C14-C15
19	J	4012	BCR	C16-C17-C18-C36

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Mol	Chain	Res	Type	Atoms
19	L	4022	BCR	C20-C21-C22-C37
19	X	601	BCR	C20-C21-C22-C37
19	a	4001	BCR	C20-C21-C22-C37
19	a	4011	BCR	C20-C21-C22-C37
19	b	4005	BCR	C20-C21-C22-C37
19	i	4020	BCR	C35-C13-C14-C15
19	l	4022	BCR	C20-C21-C22-C37
19	h	603	BCR	C16-C17-C18-C36
19	H	4001	BCR	C20-C21-C22-C37
19	H	4011	BCR	C20-C21-C22-C37
19	G	4005	BCR	C20-C21-C22-C37
19	R	4020	BCR	C35-C13-C14-C15
19	U	4022	BCR	C20-C21-C22-C37
19	w	604	BCR	C20-C21-C22-C37
19	j	4012	BCR	C16-C17-C18-C36
19	S	4012	BCR	C16-C17-C18-C36
16	h	504	CLA	O1A-CGA-O2A-C1
16	X	507	CLA	C3-C5-C6-C7
16	s	504	CLA	C3-C5-C6-C7
16	B	1224	CLA	CBA-CGA-O2A-C1
16	W	510	CLA	CBA-CGA-O2A-C1
16	a	1136	CLA	CBA-CGA-O2A-C1
16	b	1224	CLA	CBA-CGA-O2A-C1
16	G	1224	CLA	CBA-CGA-O2A-C1
16	t	517	CLA	C5-C6-C7-C8
16	W	508	CLA	C6-C7-C8-C9
16	o	517	CLA	C6-C7-C8-C9
16	A	1106	CLA	C5-C6-C7-C8
16	W	515	CLA	C8-C10-C11-C12
16	a	1106	CLA	C5-C6-C7-C8
16	H	1106	CLA	C5-C6-C7-C8
19	I	4018	BCR	C7-C8-C9-C34
19	i	4018	BCR	C7-C8-C9-C34
19	R	4018	BCR	C7-C8-C9-C34
16	A	1127	CLA	C12-C13-C15-C16
16	B	1204	CLA	C11-C12-C13-C15
16	B	1235	CLA	C11-C10-C8-C7
16	W	505	CLA	C11-C12-C13-C15
16	Y	504	CLA	C6-C7-C8-C10
16	Y	509	CLA	C11-C10-C8-C7
16	g	509	CLA	C11-C10-C8-C7
16	g	515	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
16	a	1127	CLA	C12-C13-C15-C16
16	b	1204	CLA	C11-C12-C13-C15
16	b	1235	CLA	C11-C10-C8-C7
16	p	504	CLA	C6-C7-C8-C10
16	p	511	CLA	C6-C7-C8-C10
16	q	504	CLA	C11-C10-C8-C7
16	q	505	CLA	C11-C12-C13-C15
16	h	504	CLA	C11-C10-C8-C7
16	h	505	CLA	C11-C10-C8-C7
16	H	1127	CLA	C12-C13-C15-C16
16	G	1204	CLA	C11-C12-C13-C15
16	G	1235	CLA	C11-C10-C8-C7
16	t	509	CLA	C11-C10-C8-C7
16	s	504	CLA	C6-C7-C8-C10
16	w	505	CLA	C11-C12-C13-C15
16	w	509	CLA	C6-C7-C8-C10
16	x	509	CLA	C11-C10-C8-C7
16	v	505	CLA	C11-C10-C8-C7
16	o	510	CLA	C10-C11-C12-C13
16	u	510	CLA	C10-C11-C12-C13
16	u	515	CLA	C15-C16-C17-C18
16	x	517	CLA	C5-C6-C7-C8
19	B	4009	BCR	C17-C18-C19-C20
19	F	4016	BCR	C11-C12-C13-C14
19	X	604	BCR	C11-C12-C13-C14
19	g	604	BCR	C7-C8-C9-C10
19	b	4009	BCR	C17-C18-C19-C20
19	n	601	BCR	C21-C22-C23-C24
19	h	602	BCR	C17-C18-C19-C20
19	h	603	BCR	C11-C12-C13-C14
19	h	603	BCR	C21-C22-C23-C24
19	G	4009	BCR	C17-C18-C19-C20
19	v	603	BCR	C11-C12-C13-C14
19	v	603	BCR	C21-C22-C23-C24
19	f	4016	BCR	C11-C12-C13-C14
19	Q	4016	BCR	C11-C12-C13-C14
16	A	1136	CLA	CBA-CGA-O2A-C1
16	H	1136	CLA	CBA-CGA-O2A-C1
16	x	507	CLA	CBA-CGA-O2A-C1
13	H	849	LHG	C29-C30-C31-C32
16	A	1109	CLA	O1A-CGA-O2A-C1
16	Y	510	CLA	O1A-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
16	a	1109	CLA	O1A-CGA-O2A-C1
16	s	506	CLA	O1A-CGA-O2A-C1
16	W	511	CLA	C8-C10-C11-C12
16	Y	515	CLA	C15-C16-C17-C18
16	A	1102	CLA	C2A-CAA-CBA-CGA
16	Z	504	CLA	C2A-CAA-CBA-CGA
16	Z	505	CLA	C2A-CAA-CBA-CGA
16	a	1102	CLA	C2A-CAA-CBA-CGA
16	p	508	CLA	C2A-CAA-CBA-CGA
16	H	1102	CLA	C2A-CAA-CBA-CGA
16	w	503	CLA	C2A-CAA-CBA-CGA
13	A	849	LHG	C29-C30-C31-C32
13	a	849	LHG	C29-C30-C31-C32
14	A	852	LMG	C33-C34-C35-C36
14	a	852	LMG	C33-C34-C35-C36
14	H	852	LMG	C33-C34-C35-C36
16	A	1140	CLA	C16-C17-C18-C20
16	g	511	CLA	C16-C17-C18-C20
16	a	1140	CLA	C16-C17-C18-C20
16	H	1140	CLA	C16-C17-C18-C20
16	B	1221	CLA	O1D-CGD-O2D-CED
16	b	1221	CLA	O1D-CGD-O2D-CED
16	G	1221	CLA	O1D-CGD-O2D-CED
16	A	1125	CLA	C4-C3-C5-C6
16	A	1237	CLA	C4-C3-C5-C6
16	a	1125	CLA	C4-C3-C5-C6
16	a	1237	CLA	C4-C3-C5-C6
16	H	1125	CLA	C4-C3-C5-C6
16	H	1237	CLA	C4-C3-C5-C6
16	B	1225	CLA	O1A-CGA-O2A-C1
16	b	1225	CLA	O1A-CGA-O2A-C1
16	H	1109	CLA	O1A-CGA-O2A-C1
16	G	1225	CLA	O1A-CGA-O2A-C1
16	u	509	CLA	C2-C3-C5-C6
16	A	1116	CLA	CBD-CGD-O2D-CED
16	H	1116	CLA	CBD-CGD-O2D-CED
16	H	1127	CLA	C5-C6-C7-C8
16	A	1120	CLA	O1A-CGA-O2A-C1
16	H	1120	CLA	O1A-CGA-O2A-C1
16	A	1127	CLA	C5-C6-C7-C8
16	a	1127	CLA	C5-C6-C7-C8
19	v	601	BCR	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
16	a	1116	CLA	CBD-CGD-O2D-CED
16	Y	506	CLA	O1A-CGA-O2A-C1
16	a	1120	CLA	O1A-CGA-O2A-C1
16	r	514	CLA	O1A-CGA-O2A-C1
16	s	508	CLA	C3-C5-C6-C7
19	B	4010	BCR	C20-C21-C22-C23
19	J	4015	BCR	C20-C21-C22-C23
19	b	4010	BCR	C20-C21-C22-C23
19	r	601	BCR	C16-C17-C18-C19
19	G	4010	BCR	C20-C21-C22-C23
19	s	602	BCR	C20-C21-C22-C23
19	j	4015	BCR	C20-C21-C22-C23
19	S	4015	BCR	C20-C21-C22-C23
16	A	1119	CLA	C15-C16-C17-C18
16	H	1119	CLA	C15-C16-C17-C18
14	A	852	LMG	C7-C8-C9-O8
14	a	852	LMG	C7-C8-C9-O8
14	H	852	LMG	C7-C8-C9-O8
14	B	848	LMG	C28-C29-C30-C31
14	b	848	LMG	C28-C29-C30-C31
14	G	848	LMG	C28-C29-C30-C31
16	a	1119	CLA	C15-C16-C17-C18
16	q	517	CLA	C5-C6-C7-C8
16	t	505	CLA	C8-C10-C11-C12
16	Y	505	CLA	O1A-CGA-O2A-C1
16	Z	510	CLA	CBA-CGA-O2A-C1
16	p	505	CLA	C13-C15-C16-C17
16	o	509	CLA	C4-C3-C5-C6
16	u	509	CLA	C4-C3-C5-C6
16	t	515	CLA	C2-C3-C5-C6
15	A	1011	CL0	C5-C6-C7-C8
15	a	1011	CL0	C5-C6-C7-C8
15	H	1011	CL0	C5-C6-C7-C8
16	g	506	CLA	C3-C5-C6-C7
16	x	504	CLA	C3-C5-C6-C7
17	B	2002	PQN	C13-C15-C16-C17
17	b	2002	PQN	C13-C15-C16-C17
17	G	2002	PQN	C13-C15-C16-C17
16	A	1103	CLA	C6-C7-C8-C9
16	B	1223	CLA	C11-C12-C13-C14
16	Y	509	CLA	C11-C10-C8-C9
16	a	1103	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
16	b	1223	CLA	C11-C12-C13-C14
16	h	505	CLA	C11-C10-C8-C9
16	H	1103	CLA	C6-C7-C8-C9
16	G	1223	CLA	C11-C12-C13-C14
16	s	504	CLA	C6-C7-C8-C9
16	w	504	CLA	C11-C10-C8-C9
16	w	507	CLA	C14-C13-C15-C16
16	w	509	CLA	C6-C7-C8-C9
14	B	848	LMG	C34-C35-C36-C37
14	G	848	LMG	C34-C35-C36-C37
14	b	848	LMG	C34-C35-C36-C37
16	Z	511	CLA	C10-C11-C12-C13
16	o	515	CLA	C15-C16-C17-C18
16	w	505	CLA	C8-C10-C11-C12
14	Y	701	LMG	C33-C34-C35-C36
14	s	701	LMG	C10-C11-C12-C13
16	W	510	CLA	O1A-CGA-O2A-C1
13	I	103	LHG	C25-C26-C27-C28
13	i	103	LHG	C25-C26-C27-C28
13	R	103	LHG	C25-C26-C27-C28
16	B	1228	CLA	C2-C1-O2A-CGA
16	b	1228	CLA	C2-C1-O2A-CGA
16	G	1228	CLA	C2-C1-O2A-CGA
16	A	1106	CLA	C16-C17-C18-C20
16	a	1106	CLA	C16-C17-C18-C20
16	n	508	CLA	C6-C7-C8-C10
16	H	1106	CLA	C16-C17-C18-C20
16	W	506	CLA	C4-C3-C5-C6
16	x	510	CLA	C4-C3-C5-C6
16	A	1237	CLA	C2-C3-C5-C6
16	a	1237	CLA	C2-C3-C5-C6
16	H	1237	CLA	C2-C3-C5-C6
16	t	515	CLA	C8-C10-C11-C12
16	A	1140	CLA	C16-C17-C18-C19
16	H	1140	CLA	C16-C17-C18-C19
16	Z	505	CLA	C15-C16-C17-C18
16	t	501	CLA	O1D-CGD-O2D-CED
16	A	1101	CLA	C3-C5-C6-C7
16	a	1101	CLA	C3-C5-C6-C7
16	n	510	CLA	C3-C5-C6-C7
16	h	509	CLA	C3-C5-C6-C7
16	H	1101	CLA	C3-C5-C6-C7

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Mol	Chain	Res	Type	Atoms
16	b	1224	CLA	O1A-CGA-O2A-C1
16	G	1224	CLA	O1A-CGA-O2A-C1
16	Y	517	CLA	CBD-CGD-O2D-CED
16	Y	510	CLA	O1D-CGD-O2D-CED
16	a	1140	CLA	C16-C17-C18-C19
20	L	4101	LMT	C2-C1-O1'-C1'
20	l	4101	LMT	C2-C1-O1'-C1'
20	U	4101	LMT	C2-C1-O1'-C1'
16	o	507	CLA	C3-C5-C6-C7
16	p	508	CLA	C3-C5-C6-C7
14	s	701	LMG	C12-C13-C14-C15
16	n	515	CLA	C8-C10-C11-C12
19	v	603	BCR	C37-C22-C23-C24
16	A	1122	CLA	C1A-C2A-CAA-CBA
16	B	1240	CLA	C4B-C3B-CAB-CBB
16	X	502	CLA	C4B-C3B-CAB-CBB
16	Y	502	CLA	C4B-C3B-CAB-CBB
16	Z	511	CLA	C1A-C2A-CAA-CBA
16	g	501	CLA	C1A-C2A-CAA-CBA
16	g	506	CLA	C1A-C2A-CAA-CBA
16	a	1122	CLA	C1A-C2A-CAA-CBA
16	b	1240	CLA	C4B-C3B-CAB-CBB
16	n	508	CLA	C1A-C2A-CAA-CBA
16	p	502	CLA	C4B-C3B-CAB-CBB
16	p	504	CLA	C1A-C2A-CAA-CBA
16	p	505	CLA	C1A-C2A-CAA-CBA
16	q	505	CLA	C4B-C3B-CAB-CBB
16	r	505	CLA	C1A-C2A-CAA-CBA
16	h	504	CLA	C1A-C2A-CAA-CBA
16	H	1122	CLA	C1A-C2A-CAA-CBA
16	G	1240	CLA	C4B-C3B-CAB-CBB
16	t	508	CLA	C1A-C2A-CAA-CBA
16	s	505	CLA	C1A-C2A-CAA-CBA
16	x	505	CLA	C1A-C2A-CAA-CBA
16	Y	509	CLA	O1D-CGD-O2D-CED
13	R	103	LHG	C7-C8-C9-C10
16	B	1214	CLA	C4-C3-C5-C6
16	Y	509	CLA	C4-C3-C5-C6
16	b	1214	CLA	C4-C3-C5-C6
16	h	511	CLA	C4-C3-C5-C6
16	G	1214	CLA	C4-C3-C5-C6
16	n	517	CLA	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
19	I	4018	BCR	C6-C7-C8-C9
19	J	4013	BCR	C22-C23-C24-C25
19	g	604	BCR	C6-C7-C8-C9
19	i	4018	BCR	C6-C7-C8-C9
19	R	4018	BCR	C6-C7-C8-C9
19	x	604	BCR	C6-C7-C8-C9
19	j	4013	BCR	C22-C23-C24-C25
19	S	4013	BCR	C22-C23-C24-C25
16	q	514	CLA	CAA-CBA-CGA-O2A
16	A	1013	CLA	C16-C17-C18-C20
16	a	1013	CLA	C16-C17-C18-C20
16	H	1013	CLA	C16-C17-C18-C20
14	s	701	LMG	C33-C34-C35-C36
16	B	1224	CLA	O1A-CGA-O2A-C1
16	X	508	CLA	C2A-CAA-CBA-CGA
16	w	508	CLA	C2A-CAA-CBA-CGA
16	Z	517	CLA	C5-C6-C7-C8
16	A	1139	CLA	C2-C3-C5-C6
16	a	1139	CLA	C2-C3-C5-C6
16	H	1139	CLA	C2-C3-C5-C6
13	I	103	LHG	C7-C8-C9-C10
13	i	103	LHG	C7-C8-C9-C10
16	v	509	CLA	C3-C5-C6-C7
16	A	1126	CLA	C11-C10-C8-C7
16	A	1131	CLA	C11-C10-C8-C7
16	A	1138	CLA	C12-C13-C15-C16
16	B	1021	CLA	C11-C10-C8-C7
16	B	1205	CLA	C11-C10-C8-C7
16	B	1207	CLA	C11-C10-C8-C7
16	B	1223	CLA	C6-C7-C8-C10
16	B	1225	CLA	C12-C13-C15-C16
16	L	1501	CLA	C11-C10-C8-C7
16	W	511	CLA	C6-C7-C8-C10
16	X	504	CLA	C11-C10-C8-C7
16	Y	505	CLA	C11-C10-C8-C7
16	Z	505	CLA	C11-C12-C13-C15
16	Z	507	CLA	C12-C13-C15-C16
16	Z	509	CLA	C6-C7-C8-C10
16	g	507	CLA	C11-C10-C8-C7
16	g	511	CLA	C6-C7-C8-C10
16	a	1126	CLA	C11-C10-C8-C7
16	a	1131	CLA	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
16	a	1138	CLA	C12-C13-C15-C16
16	b	1021	CLA	C11-C10-C8-C7
16	b	1205	CLA	C11-C10-C8-C7
16	b	1207	CLA	C11-C10-C8-C7
16	b	1223	CLA	C6-C7-C8-C10
16	b	1225	CLA	C12-C13-C15-C16
16	l	1501	CLA	C11-C10-C8-C7
16	n	505	CLA	C11-C12-C13-C15
16	H	1126	CLA	C11-C10-C8-C7
16	H	1131	CLA	C11-C10-C8-C7
16	H	1138	CLA	C12-C13-C15-C16
16	G	1021	CLA	C11-C10-C8-C7
16	G	1205	CLA	C11-C10-C8-C7
16	G	1207	CLA	C11-C10-C8-C7
16	G	1223	CLA	C6-C7-C8-C10
16	G	1225	CLA	C12-C13-C15-C16
16	U	1501	CLA	C11-C10-C8-C7
16	t	504	CLA	C6-C7-C8-C10
16	x	507	CLA	O1A-CGA-O2A-C1
13	i	103	LHG	C24-C23-O8-C6
16	r	504	CLA	CBA-CGA-O2A-C1
16	x	504	CLA	CBA-CGA-O2A-C1
16	q	505	CLA	C8-C10-C11-C12
16	w	506	CLA	C8-C10-C11-C12
16	B	1205	CLA	C4-C3-C5-C6
16	g	501	CLA	C3A-C2A-CAA-CBA
16	b	1205	CLA	C4-C3-C5-C6
16	G	1205	CLA	C4-C3-C5-C6
13	R	103	LHG	C24-C23-O8-C6
16	A	1122	CLA	C11-C12-C13-C14
16	a	1122	CLA	C11-C12-C13-C14
16	H	1122	CLA	C11-C12-C13-C14
16	h	510	CLA	O1D-CGD-O2D-CED
16	p	516	CLA	C2A-CAA-CBA-CGA
16	w	505	CLA	C2A-CAA-CBA-CGA
16	A	1127	CLA	C14-C13-C15-C16
16	A	1140	CLA	C6-C7-C8-C9
16	B	1204	CLA	C11-C12-C13-C14
16	W	515	CLA	C6-C7-C8-C9
16	y	510	CLA	C11-C10-C8-C9
16	a	1127	CLA	C14-C13-C15-C16
16	a	1140	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
16	b	1204	CLA	C11-C12-C13-C14
16	n	509	CLA	C11-C10-C8-C9
16	p	504	CLA	C6-C7-C8-C9
16	p	511	CLA	C6-C7-C8-C9
16	h	504	CLA	C11-C10-C8-C9
16	h	510	CLA	C11-C10-C8-C9
16	H	1127	CLA	C14-C13-C15-C16
16	H	1140	CLA	C6-C7-C8-C9
16	G	1204	CLA	C11-C12-C13-C14
16	u	505	CLA	C14-C13-C15-C16
16	w	511	CLA	C11-C10-C8-C9
16	A	1136	CLA	O1A-CGA-O2A-C1
16	Z	510	CLA	O1A-CGA-O2A-C1
16	a	1136	CLA	O1A-CGA-O2A-C1
16	H	1136	CLA	O1A-CGA-O2A-C1
16	v	503	CLA	CAA-CBA-CGA-O2A
16	X	515	CLA	C15-C16-C17-C18
19	A	4003	BCR	C13-C14-C15-C16
19	B	4010	BCR	C13-C14-C15-C16
19	F	4016	BCR	C9-C10-C11-C12
19	Z	604	BCR	C19-C20-C21-C22
19	g	604	BCR	C13-C14-C15-C16
19	a	4003	BCR	C13-C14-C15-C16
19	b	4010	BCR	C13-C14-C15-C16
19	H	4003	BCR	C13-C14-C15-C16
19	G	4010	BCR	C13-C14-C15-C16
19	f	4016	BCR	C9-C10-C11-C12
19	Q	4016	BCR	C9-C10-C11-C12
16	A	1120	CLA	C1-C2-C3-C4
16	B	1227	CLA	C1-C2-C3-C4
16	a	1120	CLA	C1-C2-C3-C4
16	b	1227	CLA	C1-C2-C3-C4
16	H	1120	CLA	C1-C2-C3-C4
16	G	1227	CLA	C1-C2-C3-C4
13	A	851	LHG	O7-C5-C6-O8
13	a	851	LHG	O7-C5-C6-O8
13	H	851	LHG	O7-C5-C6-O8
14	A	852	LMG	O1-C7-C8-O7
14	A	852	LMG	O7-C8-C9-O8
14	a	852	LMG	O1-C7-C8-O7
14	a	852	LMG	O7-C8-C9-O8
14	H	852	LMG	O1-C7-C8-O7

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Mol	Chain	Res	Type	Atoms
14	H	852	LMG	O7-C8-C9-O8
16	g	511	CLA	C16-C17-C18-C19
16	o	509	CLA	C2-C3-C5-C6
16	w	509	CLA	CBD-CGD-O2D-CED
16	A	1129	CLA	CAD-CBD-CGD-O2D
16	A	1135	CLA	CAD-CBD-CGD-O2D
16	X	507	CLA	CAD-CBD-CGD-O2D
16	g	510	CLA	CAD-CBD-CGD-O2D
16	y	510	CLA	CAD-CBD-CGD-O2D
16	a	1129	CLA	CAD-CBD-CGD-O2D
16	a	1135	CLA	CAD-CBD-CGD-O2D
16	o	507	CLA	CAD-CBD-CGD-O2D
16	h	505	CLA	CAD-CBD-CGD-O2D
16	H	1129	CLA	CAD-CBD-CGD-O2D
16	H	1135	CLA	CAD-CBD-CGD-O2D
16	u	507	CLA	CAD-CBD-CGD-O2D
16	s	501	CLA	CAD-CBD-CGD-O2D
16	s	502	CLA	CAD-CBD-CGD-O2D
16	w	505	CLA	CAD-CBD-CGD-O2D
16	w	507	CLA	CAD-CBD-CGD-O2D
16	v	505	CLA	CAD-CBD-CGD-O2D
16	v	510	CLA	CAD-CBD-CGD-O2D
13	I	103	LHG	C24-C23-O8-C6
16	W	506	CLA	C3-C5-C6-C7
16	p	504	CLA	C3-C5-C6-C7
16	a	1134	CLA	C2A-CAA-CBA-CGA
16	n	516	CLA	C2A-CAA-CBA-CGA
16	q	508	CLA	C2A-CAA-CBA-CGA
16	s	510	CLA	C2A-CAA-CBA-CGA
16	w	514	CLA	C2A-CAA-CBA-CGA
16	r	504	CLA	O1A-CGA-O2A-C1
16	x	504	CLA	O1A-CGA-O2A-C1
16	g	513	CLA	CAA-CBA-CGA-O2A
14	p	701	LMG	C33-C34-C35-C36
13	A	849	LHG	C4-O6-P-O5
13	I	103	LHG	C3-O3-P-O5
13	I	103	LHG	C4-O6-P-O3
13	a	849	LHG	C4-O6-P-O5
13	i	103	LHG	C3-O3-P-O5
13	i	103	LHG	C4-O6-P-O3
13	H	849	LHG	C4-O6-P-O5
13	R	103	LHG	C3-O3-P-O5

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Mol	Chain	Res	Type	Atoms
13	R	103	LHG	C4-O6-P-O3
16	A	1105	CLA	CHA-CBD-CGD-O1D
16	A	1128	CLA	CHA-CBD-CGD-O1D
16	A	1129	CLA	CAD-CBD-CGD-O1D
16	A	1131	CLA	CHA-CBD-CGD-O1D
16	A	1135	CLA	CAD-CBD-CGD-O1D
16	A	1136	CLA	CHA-CBD-CGD-O1D
16	A	1140	CLA	CHA-CBD-CGD-O1D
16	B	1209	CLA	CHA-CBD-CGD-O1D
16	B	1211	CLA	CHA-CBD-CGD-O1D
16	B	1211	CLA	CHA-CBD-CGD-O2D
16	B	1213	CLA	CHA-CBD-CGD-O1D
16	B	1239	CLA	CHA-CBD-CGD-O1D
16	W	503	CLA	CHA-CBD-CGD-O1D
16	W	505	CLA	CHA-CBD-CGD-O1D
16	W	505	CLA	CHA-CBD-CGD-O2D
16	W	507	CLA	CHA-CBD-CGD-O1D
16	W	507	CLA	CHA-CBD-CGD-O2D
16	W	514	CLA	CHA-CBD-CGD-O1D
16	W	514	CLA	CHA-CBD-CGD-O2D
16	W	515	CLA	CHA-CBD-CGD-O1D
16	X	503	CLA	CHA-CBD-CGD-O1D
16	X	503	CLA	CHA-CBD-CGD-O2D
16	X	505	CLA	CHA-CBD-CGD-O1D
16	X	505	CLA	CHA-CBD-CGD-O2D
16	X	507	CLA	CAD-CBD-CGD-O1D
16	X	514	CLA	CHA-CBD-CGD-O1D
16	Y	503	CLA	CHA-CBD-CGD-O1D
16	Y	504	CLA	CHA-CBD-CGD-O1D
16	Y	504	CLA	CHA-CBD-CGD-O2D
16	Y	506	CLA	CHA-CBD-CGD-O1D
16	Y	506	CLA	CHA-CBD-CGD-O2D
16	Y	512	CLA	CHA-CBD-CGD-O1D
16	Y	514	CLA	CHA-CBD-CGD-O1D
16	Z	505	CLA	CAD-CBD-CGD-O1D
16	Z	506	CLA	CHA-CBD-CGD-O1D
16	Z	506	CLA	CHA-CBD-CGD-O2D
16	Z	507	CLA	CAD-CBD-CGD-O1D
16	Z	510	CLA	CHA-CBD-CGD-O1D
16	Z	510	CLA	CHA-CBD-CGD-O2D
16	g	506	CLA	CHA-CBD-CGD-O1D
16	g	506	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
16	g	507	CLA	CAD-CBD-CGD-O1D
16	g	510	CLA	CAD-CBD-CGD-O1D
16	g	513	CLA	CHA-CBD-CGD-O1D
16	y	502	CLA	CAD-CBD-CGD-O1D
16	y	503	CLA	CHA-CBD-CGD-O1D
16	y	507	CLA	CHA-CBD-CGD-O1D
16	y	507	CLA	CHA-CBD-CGD-O2D
16	y	510	CLA	CAD-CBD-CGD-O1D
16	y	514	CLA	CHA-CBD-CGD-O1D
16	y	514	CLA	CHA-CBD-CGD-O2D
16	y	517	CLA	CHA-CBD-CGD-O1D
16	a	1105	CLA	CHA-CBD-CGD-O1D
16	a	1128	CLA	CHA-CBD-CGD-O1D
16	a	1129	CLA	CAD-CBD-CGD-O1D
16	a	1131	CLA	CHA-CBD-CGD-O1D
16	a	1135	CLA	CAD-CBD-CGD-O1D
16	a	1136	CLA	CHA-CBD-CGD-O1D
16	a	1140	CLA	CHA-CBD-CGD-O1D
16	b	1209	CLA	CHA-CBD-CGD-O1D
16	b	1211	CLA	CHA-CBD-CGD-O1D
16	b	1211	CLA	CHA-CBD-CGD-O2D
16	b	1213	CLA	CHA-CBD-CGD-O1D
16	b	1239	CLA	CHA-CBD-CGD-O1D
16	n	501	CLA	CAD-CBD-CGD-O1D
16	n	502	CLA	CHA-CBD-CGD-O1D
16	n	504	CLA	CHA-CBD-CGD-O1D
16	n	504	CLA	CHA-CBD-CGD-O2D
16	n	507	CLA	CHA-CBD-CGD-O1D
16	n	507	CLA	CHA-CBD-CGD-O2D
16	n	514	CLA	CHA-CBD-CGD-O1D
16	n	514	CLA	CHA-CBD-CGD-O2D
16	o	502	CLA	CHA-CBD-CGD-O1D
16	o	506	CLA	CHA-CBD-CGD-O1D
16	o	506	CLA	CHA-CBD-CGD-O2D
16	o	507	CLA	CAD-CBD-CGD-O1D
16	p	503	CLA	CHA-CBD-CGD-O1D
16	p	503	CLA	CHA-CBD-CGD-O2D
16	p	504	CLA	CHA-CBD-CGD-O1D
16	p	504	CLA	CHA-CBD-CGD-O2D
16	p	512	CLA	CHA-CBD-CGD-O1D
16	p	514	CLA	CHA-CBD-CGD-O1D
16	p	514	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
16	p	517	CLA	CHA-CBD-CGD-O1D
16	q	507	CLA	CAD-CBD-CGD-O1D
16	r	501	CLA	CAD-CBD-CGD-O1D
16	r	504	CLA	CHA-CBD-CGD-O1D
16	r	507	CLA	CAD-CBD-CGD-O1D
16	h	503	CLA	CHA-CBD-CGD-O1D
16	h	505	CLA	CAD-CBD-CGD-O1D
16	h	514	CLA	CHA-CBD-CGD-O1D
16	h	514	CLA	CHA-CBD-CGD-O2D
16	h	517	CLA	CHA-CBD-CGD-O1D
16	H	1105	CLA	CHA-CBD-CGD-O1D
16	H	1128	CLA	CHA-CBD-CGD-O1D
16	H	1129	CLA	CAD-CBD-CGD-O1D
16	H	1131	CLA	CHA-CBD-CGD-O1D
16	H	1135	CLA	CAD-CBD-CGD-O1D
16	H	1136	CLA	CHA-CBD-CGD-O1D
16	H	1140	CLA	CHA-CBD-CGD-O1D
16	G	1209	CLA	CHA-CBD-CGD-O1D
16	G	1211	CLA	CHA-CBD-CGD-O1D
16	G	1211	CLA	CHA-CBD-CGD-O2D
16	G	1213	CLA	CHA-CBD-CGD-O1D
16	G	1239	CLA	CHA-CBD-CGD-O1D
16	t	502	CLA	CHA-CBD-CGD-O1D
16	t	503	CLA	CHA-CBD-CGD-O1D
16	t	504	CLA	CHA-CBD-CGD-O1D
16	t	504	CLA	CHA-CBD-CGD-O2D
16	t	507	CLA	CHA-CBD-CGD-O1D
16	t	507	CLA	CHA-CBD-CGD-O2D
16	t	514	CLA	CHA-CBD-CGD-O1D
16	u	504	CLA	CHA-CBD-CGD-O1D
16	u	504	CLA	CHA-CBD-CGD-O2D
16	u	506	CLA	CHA-CBD-CGD-O1D
16	u	506	CLA	CHA-CBD-CGD-O2D
16	u	507	CLA	CAD-CBD-CGD-O1D
16	u	514	CLA	CHA-CBD-CGD-O1D
16	u	514	CLA	CHA-CBD-CGD-O2D
16	s	501	CLA	CAD-CBD-CGD-O1D
16	s	502	CLA	CAD-CBD-CGD-O1D
16	s	503	CLA	CHA-CBD-CGD-O1D
16	s	503	CLA	CHA-CBD-CGD-O2D
16	s	506	CLA	CHA-CBD-CGD-O1D
16	s	506	CLA	CHA-CBD-CGD-O2D

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Mol	Chain	Res	Type	Atoms
16	s	514	CLA	CHA-CBD-CGD-O1D
16	s	517	CLA	CHA-CBD-CGD-O1D
16	w	505	CLA	CAD-CBD-CGD-O1D
16	w	507	CLA	CAD-CBD-CGD-O1D
16	x	504	CLA	CHA-CBD-CGD-O1D
16	x	504	CLA	CHA-CBD-CGD-O2D
16	x	505	CLA	CAD-CBD-CGD-O1D
16	x	506	CLA	CHA-CBD-CGD-O1D
16	x	506	CLA	CHA-CBD-CGD-O2D
16	x	507	CLA	CAD-CBD-CGD-O1D
16	x	508	CLA	CHA-CBD-CGD-O1D
16	x	515	CLA	CAD-CBD-CGD-O1D
16	x	517	CLA	CHA-CBD-CGD-O2D
16	v	503	CLA	CHA-CBD-CGD-O1D
16	v	505	CLA	CAD-CBD-CGD-O1D
16	v	510	CLA	CAD-CBD-CGD-O1D
16	v	514	CLA	CHA-CBD-CGD-O1D
16	v	514	CLA	CHA-CBD-CGD-O2D
16	v	515	CLA	CHA-CBD-CGD-O1D
16	v	517	CLA	CHA-CBD-CGD-O1D
19	Y	601	BCR	C15-C16-C17-C18
19	Z	604	BCR	C9-C10-C11-C12
19	y	601	BCR	C15-C16-C17-C18
19	o	604	BCR	C15-C16-C17-C18
19	q	604	BCR	C9-C10-C11-C12
19	w	604	BCR	C9-C10-C11-C12
16	B	1217	CLA	O1D-CGD-O2D-CED
16	y	511	CLA	C4-C3-C5-C6
16	v	511	CLA	C4-C3-C5-C6
16	A	1104	CLA	C2B-C3B-CAB-CBB
16	A	1106	CLA	C2B-C3B-CAB-CBB
16	A	1120	CLA	C2B-C3B-CAB-CBB
16	A	1121	CLA	C2B-C3B-CAB-CBB
16	A	1124	CLA	C2B-C3B-CAB-CBB
16	A	1129	CLA	C2B-C3B-CAB-CBB
16	A	1801	CLA	C2B-C3B-CAB-CBB
16	B	1203	CLA	C2B-C3B-CAB-CBB
16	B	1208	CLA	C2B-C3B-CAB-CBB
16	B	1214	CLA	C2B-C3B-CAB-CBB
16	B	1217	CLA	C2B-C3B-CAB-CBB
16	B	1222	CLA	C2B-C3B-CAB-CBB
16	B	1229	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
16	W	501	CLA	C2B-C3B-CAB-CBB
16	W	509	CLA	C2B-C3B-CAB-CBB
16	W	514	CLA	C2B-C3B-CAB-CBB
16	X	501	CLA	C2B-C3B-CAB-CBB
16	X	502	CLA	C2B-C3B-CAB-CBB
16	X	504	CLA	C2B-C3B-CAB-CBB
16	X	506	CLA	C2B-C3B-CAB-CBB
16	X	507	CLA	C2B-C3B-CAB-CBB
16	X	508	CLA	C2B-C3B-CAB-CBB
16	X	510	CLA	C2B-C3B-CAB-CBB
16	X	513	CLA	C2B-C3B-CAB-CBB
16	X	514	CLA	C2B-C3B-CAB-CBB
16	Y	504	CLA	C2B-C3B-CAB-CBB
16	Y	507	CLA	C2B-C3B-CAB-CBB
16	g	501	CLA	C2B-C3B-CAB-CBB
16	g	504	CLA	C2B-C3B-CAB-CBB
16	g	507	CLA	C2B-C3B-CAB-CBB
16	g	508	CLA	C2B-C3B-CAB-CBB
16	g	509	CLA	C2B-C3B-CAB-CBB
16	g	513	CLA	C2B-C3B-CAB-CBB
16	y	503	CLA	C2B-C3B-CAB-CBB
16	y	506	CLA	C2B-C3B-CAB-CBB
16	y	507	CLA	C2B-C3B-CAB-CBB
16	y	515	CLA	C2B-C3B-CAB-CBB
16	a	1104	CLA	C2B-C3B-CAB-CBB
16	a	1106	CLA	C2B-C3B-CAB-CBB
16	a	1120	CLA	C2B-C3B-CAB-CBB
16	a	1121	CLA	C2B-C3B-CAB-CBB
16	a	1124	CLA	C2B-C3B-CAB-CBB
16	a	1129	CLA	C2B-C3B-CAB-CBB
16	a	1801	CLA	C2B-C3B-CAB-CBB
16	b	1203	CLA	C2B-C3B-CAB-CBB
16	b	1208	CLA	C2B-C3B-CAB-CBB
16	b	1214	CLA	C2B-C3B-CAB-CBB
16	b	1217	CLA	C2B-C3B-CAB-CBB
16	b	1222	CLA	C2B-C3B-CAB-CBB
16	b	1229	CLA	C2B-C3B-CAB-CBB
16	n	501	CLA	C2B-C3B-CAB-CBB
16	n	506	CLA	C2B-C3B-CAB-CBB
16	n	514	CLA	C2B-C3B-CAB-CBB
16	n	515	CLA	C2B-C3B-CAB-CBB
16	o	501	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
16	o	504	CLA	C2B-C3B-CAB-CBB
16	o	506	CLA	C2B-C3B-CAB-CBB
16	o	508	CLA	C2B-C3B-CAB-CBB
16	o	510	CLA	C2B-C3B-CAB-CBB
16	o	514	CLA	C2B-C3B-CAB-CBB
16	p	504	CLA	C2B-C3B-CAB-CBB
16	p	505	CLA	C2B-C3B-CAB-CBB
16	p	507	CLA	C2B-C3B-CAB-CBB
16	q	505	CLA	C2B-C3B-CAB-CBB
16	r	501	CLA	C2B-C3B-CAB-CBB
16	r	504	CLA	C2B-C3B-CAB-CBB
16	r	513	CLA	C2B-C3B-CAB-CBB
16	h	503	CLA	C2B-C3B-CAB-CBB
16	h	506	CLA	C2B-C3B-CAB-CBB
16	h	507	CLA	C2B-C3B-CAB-CBB
16	h	515	CLA	C2B-C3B-CAB-CBB
16	H	1104	CLA	C2B-C3B-CAB-CBB
16	H	1106	CLA	C2B-C3B-CAB-CBB
16	H	1120	CLA	C2B-C3B-CAB-CBB
16	H	1121	CLA	C2B-C3B-CAB-CBB
16	H	1124	CLA	C2B-C3B-CAB-CBB
16	H	1129	CLA	C2B-C3B-CAB-CBB
16	H	1801	CLA	C2B-C3B-CAB-CBB
16	G	1203	CLA	C2B-C3B-CAB-CBB
16	G	1208	CLA	C2B-C3B-CAB-CBB
16	G	1214	CLA	C2B-C3B-CAB-CBB
16	G	1217	CLA	C2B-C3B-CAB-CBB
16	G	1222	CLA	C2B-C3B-CAB-CBB
16	G	1229	CLA	C2B-C3B-CAB-CBB
16	t	501	CLA	C2B-C3B-CAB-CBB
16	t	510	CLA	C2B-C3B-CAB-CBB
16	t	515	CLA	C2B-C3B-CAB-CBB
16	t	517	CLA	C2B-C3B-CAB-CBB
16	u	501	CLA	C2B-C3B-CAB-CBB
16	u	504	CLA	C2B-C3B-CAB-CBB
16	u	506	CLA	C2B-C3B-CAB-CBB
16	u	507	CLA	C2B-C3B-CAB-CBB
16	u	508	CLA	C2B-C3B-CAB-CBB
16	u	510	CLA	C2B-C3B-CAB-CBB
16	u	513	CLA	C2B-C3B-CAB-CBB
16	u	514	CLA	C2B-C3B-CAB-CBB
16	s	504	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
16	s	507	CLA	C2B-C3B-CAB-CBB
16	w	505	CLA	C2B-C3B-CAB-CBB
16	w	513	CLA	C2B-C3B-CAB-CBB
16	x	501	CLA	C2B-C3B-CAB-CBB
16	x	504	CLA	C2B-C3B-CAB-CBB
16	x	508	CLA	C2B-C3B-CAB-CBB
16	x	513	CLA	C2B-C3B-CAB-CBB
16	x	515	CLA	C2B-C3B-CAB-CBB
16	v	503	CLA	C2B-C3B-CAB-CBB
16	v	507	CLA	C2B-C3B-CAB-CBB
16	v	515	CLA	C2B-C3B-CAB-CBB
19	A	4008	BCR	C5-C6-C7-C8
19	B	4010	BCR	C5-C6-C7-C8
19	B	4017	BCR	C23-C24-C25-C30
19	X	603	BCR	C23-C24-C25-C26
19	Y	604	BCR	C23-C24-C25-C26
19	g	604	BCR	C23-C24-C25-C30
19	y	602	BCR	C23-C24-C25-C30
19	y	603	BCR	C23-C24-C25-C26
19	a	4008	BCR	C5-C6-C7-C8
19	b	4010	BCR	C5-C6-C7-C8
19	b	4017	BCR	C23-C24-C25-C30
19	H	4008	BCR	C5-C6-C7-C8
19	G	4010	BCR	C5-C6-C7-C8
19	G	4017	BCR	C23-C24-C25-C30
16	A	1125	CLA	C2-C3-C5-C6
16	a	1125	CLA	C2-C3-C5-C6
16	H	1125	CLA	C2-C3-C5-C6
19	B	4006	BCR	C37-C22-C23-C24
19	b	4006	BCR	C37-C22-C23-C24
19	h	603	BCR	C37-C22-C23-C24
19	G	4006	BCR	C37-C22-C23-C24
19	t	601	BCR	C11-C12-C13-C35
19	x	604	BCR	C37-C22-C23-C24
19	v	601	BCR	C37-C22-C23-C24
16	b	1217	CLA	O1D-CGD-O2D-CED
16	G	1217	CLA	O1D-CGD-O2D-CED
16	v	514	CLA	O1D-CGD-O2D-CED
14	b	848	LMG	C17-C18-C19-C20
16	A	1106	CLA	C16-C17-C18-C19
16	a	1106	CLA	C16-C17-C18-C19
16	H	1106	CLA	C16-C17-C18-C19

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Mol	Chain	Res	Type	Atoms
14	B	848	LMG	C17-C18-C19-C20
14	G	848	LMG	C17-C18-C19-C20
19	I	4018	BCR	C21-C22-C23-C24
19	R	4018	BCR	C21-C22-C23-C24
16	A	1134	CLA	C2A-CAA-CBA-CGA
16	H	1134	CLA	C2A-CAA-CBA-CGA
16	t	517	CLA	C2A-CAA-CBA-CGA
16	v	510	CLA	C3-C5-C6-C7
16	x	514	CLA	CBA-CGA-O2A-C1
14	a	4101	LMG	C19-C20-C21-C22
14	H	4101	LMG	C19-C20-C21-C22
16	A	1127	CLA	C8-C10-C11-C12
16	L	1503	CLA	C5-C6-C7-C8
16	a	1127	CLA	C8-C10-C11-C12
16	l	1503	CLA	C5-C6-C7-C8
16	H	1127	CLA	C8-C10-C11-C12
16	U	1503	CLA	C5-C6-C7-C8
16	Y	509	CLA	C2-C3-C5-C6
16	r	504	CLA	C2-C3-C5-C6
14	A	4101	LMG	C19-C20-C21-C22
19	A	4011	BCR	C19-C20-C21-C22
19	a	4011	BCR	C19-C20-C21-C22
19	H	4011	BCR	C19-C20-C21-C22
19	t	601	BCR	C19-C20-C21-C22
16	x	514	CLA	O1A-CGA-O2A-C1
16	B	1012	CLA	C11-C10-C8-C9
16	B	1204	CLA	C11-C10-C8-C9
16	B	1223	CLA	C6-C7-C8-C9
16	B	1239	CLA	C11-C10-C8-C9
16	W	510	CLA	C11-C10-C8-C9
16	Y	505	CLA	C11-C10-C8-C9
16	y	505	CLA	C11-C10-C8-C9
16	b	1012	CLA	C11-C10-C8-C9
16	b	1204	CLA	C11-C10-C8-C9
16	b	1223	CLA	C6-C7-C8-C9
16	b	1239	CLA	C11-C10-C8-C9
16	n	515	CLA	C6-C7-C8-C9
16	q	505	CLA	C11-C12-C13-C14
16	q	509	CLA	C6-C7-C8-C9
16	h	511	CLA	C11-C12-C13-C14
16	G	1012	CLA	C11-C10-C8-C9
16	G	1204	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
16	G	1223	CLA	C6-C7-C8-C9
16	G	1239	CLA	C11-C10-C8-C9
16	t	504	CLA	C6-C7-C8-C9
16	s	509	CLA	C11-C10-C8-C9
16	w	505	CLA	C11-C12-C13-C14
16	v	504	CLA	C11-C10-C8-C9
16	v	510	CLA	C11-C10-C8-C9
16	A	1101	CLA	C11-C12-C13-C15
16	W	510	CLA	C11-C10-C8-C7
16	a	1101	CLA	C11-C12-C13-C15
16	h	510	CLA	C6-C7-C8-C10
16	H	1101	CLA	C11-C12-C13-C15
16	w	507	CLA	C12-C13-C15-C16
19	I	4018	BCR	C16-C17-C18-C19
19	i	4018	BCR	C16-C17-C18-C19
19	o	603	BCR	C20-C21-C22-C23
19	p	602	BCR	C20-C21-C22-C23
19	R	4018	BCR	C16-C17-C18-C19
19	X	601	BCR	C22-C23-C24-C25
16	A	1013	CLA	C16-C17-C18-C19
16	a	1013	CLA	C16-C17-C18-C19
16	n	508	CLA	C6-C7-C8-C9
16	H	1013	CLA	C16-C17-C18-C19
16	Y	514	CLA	CAA-CBA-CGA-O2A
16	Z	514	CLA	CAA-CBA-CGA-O2A
19	x	602	BCR	C14-C15-C16-C17
16	A	1123	CLA	C4-C3-C5-C6
16	B	1225	CLA	C4-C3-C5-C6
16	a	1123	CLA	C4-C3-C5-C6
16	a	1133	CLA	C4-C3-C5-C6
16	b	1225	CLA	C4-C3-C5-C6
16	H	1123	CLA	C4-C3-C5-C6
16	v	507	CLA	C4-C3-C5-C6
16	B	1226	CLA	C2-C3-C5-C6
16	b	1226	CLA	C2-C3-C5-C6
16	h	505	CLA	C2-C3-C5-C6
16	G	1226	CLA	C2-C3-C5-C6
16	r	507	CLA	CBA-CGA-O2A-C1
16	b	1210	CLA	C10-C11-C12-C13
16	G	1210	CLA	C10-C11-C12-C13
16	r	507	CLA	O1A-CGA-O2A-C1
16	B	1210	CLA	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
16	o	501	CLA	CBD-CGD-O2D-CED
16	o	507	CLA	C5-C6-C7-C8
16	G	1228	CLA	C5-C6-C7-C8
14	a	4201	LMG	O10-C28-O8-C9
14	H	4201	LMG	O10-C28-O8-C9
19	L	4019	BCR	C13-C14-C15-C16
19	l	4019	BCR	C13-C14-C15-C16
19	U	4019	BCR	C13-C14-C15-C16
16	B	1228	CLA	C5-C6-C7-C8
16	b	1228	CLA	C5-C6-C7-C8
16	h	503	CLA	CAA-CBA-CGA-O2A
16	q	503	CLA	C2A-CAA-CBA-CGA
16	p	509	CLA	CBD-CGD-O2D-CED
16	o	514	CLA	CBA-CGA-O2A-C1
14	A	4201	LMG	O10-C28-O8-C9
16	B	1227	CLA	C2-C1-O2A-CGA
16	X	501	CLA	C2-C1-O2A-CGA
16	b	1227	CLA	C2-C1-O2A-CGA
16	o	501	CLA	C2-C1-O2A-CGA
16	G	1227	CLA	C2-C1-O2A-CGA
16	u	501	CLA	C2-C1-O2A-CGA
16	A	1133	CLA	C4-C3-C5-C6
16	X	511	CLA	C4-C3-C5-C6
16	H	1133	CLA	C4-C3-C5-C6
16	G	1225	CLA	C4-C3-C5-C6
16	A	1114	CLA	O2A-C1-C2-C3
16	a	1114	CLA	O2A-C1-C2-C3
16	H	1114	CLA	O2A-C1-C2-C3
14	B	848	LMG	C7-C8-C9-O8
14	b	848	LMG	C7-C8-C9-O8
14	G	848	LMG	C7-C8-C9-O8
19	r	601	BCR	C37-C22-C23-C24
19	h	604	BCR	C37-C22-C23-C24
19	G	4009	BCR	C36-C18-C19-C20
19	L	4022	BCR	C11-C12-C13-C14
19	i	4018	BCR	C21-C22-C23-C24
19	l	4022	BCR	C11-C12-C13-C14
19	p	601	BCR	C7-C8-C9-C10
19	U	4022	BCR	C11-C12-C13-C14
16	Y	517	CLA	O1D-CGD-O2D-CED
16	X	510	CLA	CBA-CGA-O2A-C1
16	g	503	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
16	x	503	CLA	CAA-CBA-CGA-O2A
16	A	1138	CLA	O1A-CGA-O2A-C1
16	X	510	CLA	O1A-CGA-O2A-C1
16	a	1138	CLA	O1A-CGA-O2A-C1
16	H	1138	CLA	O1A-CGA-O2A-C1
16	A	1136	CLA	C13-C15-C16-C17
16	Y	511	CLA	C13-C15-C16-C17
16	g	515	CLA	C8-C10-C11-C12
16	o	517	CLA	C5-C6-C7-C8
16	H	1136	CLA	C13-C15-C16-C17
16	s	506	CLA	C10-C11-C12-C13
16	B	1204	CLA	C2A-CAA-CBA-CGA
16	b	1204	CLA	C2A-CAA-CBA-CGA
16	q	505	CLA	C2A-CAA-CBA-CGA
16	G	1204	CLA	C2A-CAA-CBA-CGA
16	p	509	CLA	O1D-CGD-O2D-CED
19	L	4019	BCR	C15-C16-C17-C18
19	Y	604	BCR	C13-C14-C15-C16
19	l	4019	BCR	C15-C16-C17-C18
19	p	601	BCR	C15-C16-C17-C18
19	p	604	BCR	C15-C16-C17-C18
19	q	604	BCR	C19-C20-C21-C22
19	U	4019	BCR	C15-C16-C17-C18
14	Y	701	LMG	C14-C15-C16-C17
14	A	852	LMG	O6-C1-O1-C7
14	a	852	LMG	O6-C1-O1-C7
14	H	852	LMG	O6-C1-O1-C7
16	u	511	CLA	C4-C3-C5-C6
16	a	1136	CLA	C13-C15-C16-C17
16	t	514	CLA	CAA-CBA-CGA-O2A
16	x	504	CLA	C2-C3-C5-C6
16	v	511	CLA	C2-C3-C5-C6
16	Z	505	CLA	CBA-CGA-O2A-C1
16	w	509	CLA	O1D-CGD-O2D-CED
16	Z	505	CLA	O1A-CGA-O2A-C1
16	y	509	CLA	C11-C12-C13-C15
16	A	1013	CLA	CAA-CBA-CGA-O2A
16	a	1013	CLA	CAA-CBA-CGA-O2A
16	H	1013	CLA	CAA-CBA-CGA-O2A
16	A	1126	CLA	C11-C10-C8-C9
16	A	1138	CLA	C14-C13-C15-C16
16	B	1205	CLA	C11-C10-C8-C9

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Mol	Chain	Res	Type	Atoms
16	B	1207	CLA	C11-C10-C8-C9
16	Y	510	CLA	C11-C12-C13-C14
16	a	1126	CLA	C11-C10-C8-C9
16	a	1138	CLA	C14-C13-C15-C16
16	b	1205	CLA	C11-C10-C8-C9
16	b	1207	CLA	C11-C10-C8-C9
16	p	510	CLA	C11-C12-C13-C14
16	q	511	CLA	C11-C10-C8-C9
16	H	1126	CLA	C11-C10-C8-C9
16	H	1138	CLA	C14-C13-C15-C16
16	G	1205	CLA	C11-C10-C8-C9
16	G	1207	CLA	C11-C10-C8-C9
16	a	1132	CLA	CBA-CGA-O2A-C1
16	o	514	CLA	O1A-CGA-O2A-C1
16	A	1105	CLA	C4B-C3B-CAB-CBB
16	A	1119	CLA	C4B-C3B-CAB-CBB
16	A	1130	CLA	C4B-C3B-CAB-CBB
16	A	1137	CLA	C4B-C3B-CAB-CBB
16	B	1221	CLA	C4B-C3B-CAB-CBB
16	X	515	CLA	C4B-C3B-CAB-CBB
16	Y	516	CLA	C4B-C3B-CAB-CBB
16	y	510	CLA	C4B-C3B-CAB-CBB
16	a	1105	CLA	C4B-C3B-CAB-CBB
16	a	1119	CLA	C4B-C3B-CAB-CBB
16	a	1130	CLA	C4B-C3B-CAB-CBB
16	a	1137	CLA	C4B-C3B-CAB-CBB
16	b	1221	CLA	C4B-C3B-CAB-CBB
16	p	517	CLA	C4B-C3B-CAB-CBB
16	q	504	CLA	C4B-C3B-CAB-CBB
16	q	515	CLA	C4B-C3B-CAB-CBB
16	r	515	CLA	C4B-C3B-CAB-CBB
16	H	1105	CLA	C4B-C3B-CAB-CBB
16	H	1119	CLA	C4B-C3B-CAB-CBB
16	H	1130	CLA	C4B-C3B-CAB-CBB
16	H	1137	CLA	C4B-C3B-CAB-CBB
16	G	1221	CLA	C4B-C3B-CAB-CBB
16	s	502	CLA	C4B-C3B-CAB-CBB
16	s	506	CLA	C4B-C3B-CAB-CBB
16	s	517	CLA	C4B-C3B-CAB-CBB
16	x	514	CLA	C4B-C3B-CAB-CBB
16	x	517	CLA	C4B-C3B-CAB-CBB
16	A	1132	CLA	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
16	B	1201	CLA	CBA-CGA-O2A-C1
16	b	1201	CLA	CBA-CGA-O2A-C1
16	H	1132	CLA	CBA-CGA-O2A-C1
16	G	1201	CLA	CBA-CGA-O2A-C1
16	w	505	CLA	C15-C16-C17-C18
16	r	514	CLA	C2A-CAA-CBA-CGA
16	x	514	CLA	C2A-CAA-CBA-CGA
16	A	1119	CLA	C4-C3-C5-C6
16	a	1119	CLA	C4-C3-C5-C6
16	H	1119	CLA	C4-C3-C5-C6
15	A	1011	CL0	CAA-CBA-CGA-O2A
15	a	1011	CL0	CAA-CBA-CGA-O2A
15	H	1011	CL0	CAA-CBA-CGA-O2A
16	y	511	CLA	C2-C3-C5-C6
16	h	511	CLA	C2-C3-C5-C6
19	a	4008	BCR	C13-C14-C15-C16
16	y	502	CLA	CBA-CGA-O2A-C1
16	B	1203	CLA	C12-C13-C15-C16
16	L	1501	CLA	C6-C7-C8-C10
16	b	1203	CLA	C12-C13-C15-C16
16	l	1501	CLA	C6-C7-C8-C10
16	p	504	CLA	C11-C10-C8-C7
16	G	1203	CLA	C12-C13-C15-C16
16	U	1501	CLA	C6-C7-C8-C10
16	t	515	CLA	C6-C7-C8-C10
16	s	504	CLA	C11-C10-C8-C7
16	y	502	CLA	O1A-CGA-O2A-C1
16	v	509	CLA	C11-C12-C13-C15
16	B	1203	CLA	C3A-C2A-CAA-CBA
16	L	1503	CLA	C3A-C2A-CAA-CBA
16	W	508	CLA	C3A-C2A-CAA-CBA
16	X	511	CLA	C3A-C2A-CAA-CBA
16	g	516	CLA	C3A-C2A-CAA-CBA
16	b	1203	CLA	C3A-C2A-CAA-CBA
16	l	1503	CLA	C3A-C2A-CAA-CBA
16	n	513	CLA	C3A-C2A-CAA-CBA
16	h	510	CLA	C4-C3-C5-C6
16	G	1203	CLA	C3A-C2A-CAA-CBA
16	G	1235	CLA	C3A-C2A-CAA-CBA
16	U	1503	CLA	C3A-C2A-CAA-CBA
16	s	516	CLA	C3A-C2A-CAA-CBA
16	x	516	CLA	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
16	w	514	CLA	CAA-CBA-CGA-O2A
16	B	1205	CLA	C2-C3-C5-C6
16	b	1205	CLA	C2-C3-C5-C6
16	b	1214	CLA	C2-C3-C5-C6
16	G	1205	CLA	C2-C3-C5-C6
16	G	1214	CLA	C2-C3-C5-C6
16	G	1217	CLA	CAA-CBA-CGA-O1A
19	A	4011	BCR	C11-C10-C9-C34
19	A	4011	BCR	C16-C17-C18-C36
19	B	4009	BCR	C20-C21-C22-C37
19	W	603	BCR	C6-C7-C8-C9
19	a	4011	BCR	C11-C10-C9-C34
19	a	4011	BCR	C16-C17-C18-C36
19	b	4009	BCR	C20-C21-C22-C37
19	H	4011	BCR	C11-C10-C9-C34
19	H	4011	BCR	C16-C17-C18-C36
19	G	4009	BCR	C20-C21-C22-C37
19	s	601	BCR	C20-C21-C22-C37
19	w	601	BCR	C6-C7-C8-C9
19	x	602	BCR	C6-C7-C8-C9
16	g	517	CLA	C5-C6-C7-C8
16	B	1217	CLA	CAA-CBA-CGA-O1A
16	Y	512	CLA	CAA-CBA-CGA-O1A
16	b	1217	CLA	CAA-CBA-CGA-O1A
16	Y	506	CLA	C10-C11-C12-C13
16	X	506	CLA	C2-C1-O2A-CGA
16	X	515	CLA	C2-C1-O2A-CGA
16	Z	513	CLA	C2-C1-O2A-CGA
16	o	506	CLA	C2-C1-O2A-CGA
16	r	501	CLA	C2-C1-O2A-CGA
19	A	4008	BCR	C13-C14-C15-C16
19	J	4013	BCR	C19-C20-C21-C22
19	n	601	BCR	C19-C20-C21-C22
19	H	4008	BCR	C13-C14-C15-C16
19	t	601	BCR	C9-C10-C11-C12
19	x	604	BCR	C15-C16-C17-C18
19	j	4013	BCR	C19-C20-C21-C22
19	S	4013	BCR	C19-C20-C21-C22
16	H	1104	CLA	C3-C5-C6-C7
16	A	1111	CLA	C5-C6-C7-C8
16	a	1111	CLA	C5-C6-C7-C8
16	r	515	CLA	C8-C10-C11-C12

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Mol	Chain	Res	Type	Atoms
16	H	1111	CLA	C5-C6-C7-C8
19	B	4009	BCR	C36-C18-C19-C20
19	Z	603	BCR	C7-C8-C9-C34
19	b	4009	BCR	C36-C18-C19-C20
19	q	603	BCR	C7-C8-C9-C34
19	t	601	BCR	C7-C8-C9-C34
16	Y	512	CLA	CAA-CBA-CGA-O2A
16	b	1209	CLA	CAA-CBA-CGA-O2A
16	p	512	CLA	CAA-CBA-CGA-O1A
16	B	1209	CLA	CAA-CBA-CGA-O2A
16	G	1209	CLA	CAA-CBA-CGA-O2A
16	B	1206	CLA	C15-C16-C17-C18
16	b	1206	CLA	C15-C16-C17-C18
16	G	1206	CLA	C15-C16-C17-C18
16	u	515	CLA	C13-C15-C16-C17
16	y	510	CLA	C4-C3-C5-C6
16	v	510	CLA	C4-C3-C5-C6
16	a	1104	CLA	C3-C5-C6-C7
16	B	1214	CLA	C2-C3-C5-C6
16	Z	508	CLA	C2A-CAA-CBA-CGA
16	n	517	CLA	C2A-CAA-CBA-CGA
16	s	516	CLA	C2A-CAA-CBA-CGA
16	H	1110	CLA	C5-C6-C7-C8
16	A	1116	CLA	O1D-CGD-O2D-CED
16	a	1132	CLA	O1A-CGA-O2A-C1
16	b	1201	CLA	O1A-CGA-O2A-C1
16	B	1202	CLA	C6-C7-C8-C9
16	B	1203	CLA	C14-C13-C15-C16
16	B	1221	CLA	C11-C12-C13-C14
16	g	515	CLA	C11-C10-C8-C9
16	b	1202	CLA	C6-C7-C8-C9
16	b	1203	CLA	C14-C13-C15-C16
16	b	1221	CLA	C11-C12-C13-C14
16	p	504	CLA	C11-C10-C8-C9
16	G	1202	CLA	C6-C7-C8-C9
16	G	1203	CLA	C14-C13-C15-C16
16	G	1221	CLA	C11-C12-C13-C14
16	s	504	CLA	C11-C10-C8-C9
16	s	510	CLA	C6-C7-C8-C9
16	w	505	CLA	C11-C10-C8-C9
16	x	509	CLA	C6-C7-C8-C9
16	v	511	CLA	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
16	A	1110	CLA	C5-C6-C7-C8
16	a	1110	CLA	C5-C6-C7-C8
16	h	507	CLA	O1A-CGA-O2A-C1
16	s	512	CLA	CAA-CBA-CGA-O1A
16	B	1203	CLA	CAA-CBA-CGA-O2A
16	b	1203	CLA	CAA-CBA-CGA-O2A
16	n	514	CLA	CAA-CBA-CGA-O2A
16	G	1203	CLA	CAA-CBA-CGA-O2A
16	G	1229	CLA	CAA-CBA-CGA-O2A
16	g	515	CLA	C10-C11-C12-C13
16	p	506	CLA	C10-C11-C12-C13
16	A	1104	CLA	C3-C5-C6-C7
16	a	1116	CLA	O1D-CGD-O2D-CED
19	Y	604	BCR	C15-C16-C17-C18
16	B	1229	CLA	CAA-CBA-CGA-O2A
16	b	1229	CLA	CAA-CBA-CGA-O2A
16	r	503	CLA	CAA-CBA-CGA-O2A
16	h	510	CLA	C2-C3-C5-C6
16	A	1132	CLA	O1A-CGA-O2A-C1
16	B	1201	CLA	O1A-CGA-O2A-C1
16	H	1132	CLA	O1A-CGA-O2A-C1
16	G	1201	CLA	O1A-CGA-O2A-C1
20	L	4101	LMT	C2'-C1'-O1'-C1
20	l	4101	LMT	C2'-C1'-O1'-C1
20	U	4101	LMT	C2'-C1'-O1'-C1
16	B	1209	CLA	CAA-CBA-CGA-O1A
16	b	1209	CLA	CAA-CBA-CGA-O1A
16	G	1209	CLA	CAA-CBA-CGA-O1A
16	Z	510	CLA	C2A-CAA-CBA-CGA
16	y	515	CLA	C2A-CAA-CBA-CGA
16	u	511	CLA	C2A-CAA-CBA-CGA
16	G	1023	CLA	C5-C6-C7-C8
16	A	1103	CLA	C1A-C2A-CAA-CBA
16	A	1140	CLA	C1A-C2A-CAA-CBA
16	B	1207	CLA	C1A-C2A-CAA-CBA
16	B	1217	CLA	C1A-C2A-CAA-CBA
16	B	1239	CLA	C1A-C2A-CAA-CBA
16	L	1503	CLA	C1A-C2A-CAA-CBA
16	W	508	CLA	C1A-C2A-CAA-CBA
16	W	513	CLA	C1A-C2A-CAA-CBA
16	Z	502	CLA	C1A-C2A-CAA-CBA
16	Z	515	CLA	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
16	g	516	CLA	C1A-C2A-CAA-CBA
16	a	1103	CLA	C1A-C2A-CAA-CBA
16	a	1140	CLA	C1A-C2A-CAA-CBA
16	b	1207	CLA	C1A-C2A-CAA-CBA
16	b	1217	CLA	C1A-C2A-CAA-CBA
16	b	1239	CLA	C1A-C2A-CAA-CBA
16	l	1503	CLA	C1A-C2A-CAA-CBA
16	n	513	CLA	C1A-C2A-CAA-CBA
16	o	505	CLA	C1A-C2A-CAA-CBA
16	q	502	CLA	C1A-C2A-CAA-CBA
16	q	511	CLA	C1A-C2A-CAA-CBA
16	H	1103	CLA	C1A-C2A-CAA-CBA
16	H	1140	CLA	C1A-C2A-CAA-CBA
16	G	1207	CLA	C1A-C2A-CAA-CBA
16	G	1217	CLA	C1A-C2A-CAA-CBA
16	G	1239	CLA	C1A-C2A-CAA-CBA
16	U	1503	CLA	C1A-C2A-CAA-CBA
16	t	507	CLA	C1A-C2A-CAA-CBA
16	t	513	CLA	C1A-C2A-CAA-CBA
16	t	517	CLA	C1A-C2A-CAA-CBA
16	u	505	CLA	C1A-C2A-CAA-CBA
16	s	516	CLA	C1A-C2A-CAA-CBA
16	w	511	CLA	C1A-C2A-CAA-CBA
16	x	516	CLA	C1A-C2A-CAA-CBA
16	v	505	CLA	C1A-C2A-CAA-CBA
19	B	4006	BCR	C20-C21-C22-C23
19	F	4016	BCR	C12-C13-C14-C15
19	I	4020	BCR	C20-C21-C22-C23
19	b	4006	BCR	C20-C21-C22-C23
19	i	4020	BCR	C20-C21-C22-C23
19	G	4006	BCR	C20-C21-C22-C23
19	R	4020	BCR	C20-C21-C22-C23
19	f	4016	BCR	C12-C13-C14-C15
19	Q	4016	BCR	C12-C13-C14-C15
16	h	507	CLA	CBA-CGA-O2A-C1
16	s	512	CLA	CAA-CBA-CGA-O2A
16	B	1236	CLA	C13-C15-C16-C17
16	Z	515	CLA	C5-C6-C7-C8
16	b	1236	CLA	C13-C15-C16-C17
16	G	1236	CLA	C13-C15-C16-C17
16	A	1110	CLA	C2B-C3B-CAB-CBB
16	A	1119	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
16	A	1130	CLA	C2B-C3B-CAB-CBB
16	A	1137	CLA	C2B-C3B-CAB-CBB
16	B	1023	CLA	C2B-C3B-CAB-CBB
16	B	1219	CLA	C2B-C3B-CAB-CBB
16	B	1221	CLA	C2B-C3B-CAB-CBB
16	B	1224	CLA	C2B-C3B-CAB-CBB
16	B	1228	CLA	C2B-C3B-CAB-CBB
16	B	1236	CLA	C2B-C3B-CAB-CBB
16	B	1240	CLA	C2B-C3B-CAB-CBB
16	L	1501	CLA	C2B-C3B-CAB-CBB
16	W	507	CLA	C2B-C3B-CAB-CBB
16	W	516	CLA	C2B-C3B-CAB-CBB
16	X	509	CLA	C2B-C3B-CAB-CBB
16	Y	502	CLA	C2B-C3B-CAB-CBB
16	Y	506	CLA	C2B-C3B-CAB-CBB
16	Y	511	CLA	C2B-C3B-CAB-CBB
16	Y	516	CLA	C2B-C3B-CAB-CBB
16	Z	504	CLA	C2B-C3B-CAB-CBB
16	Z	510	CLA	C2B-C3B-CAB-CBB
16	g	517	CLA	C2B-C3B-CAB-CBB
16	y	509	CLA	C2B-C3B-CAB-CBB
16	y	510	CLA	C2B-C3B-CAB-CBB
16	a	1110	CLA	C2B-C3B-CAB-CBB
16	a	1119	CLA	C2B-C3B-CAB-CBB
16	a	1130	CLA	C2B-C3B-CAB-CBB
16	a	1137	CLA	C2B-C3B-CAB-CBB
16	b	1023	CLA	C2B-C3B-CAB-CBB
16	b	1219	CLA	C2B-C3B-CAB-CBB
16	b	1221	CLA	C2B-C3B-CAB-CBB
16	b	1224	CLA	C2B-C3B-CAB-CBB
16	b	1228	CLA	C2B-C3B-CAB-CBB
16	b	1236	CLA	C2B-C3B-CAB-CBB
16	b	1240	CLA	C2B-C3B-CAB-CBB
16	l	1501	CLA	C2B-C3B-CAB-CBB
16	n	504	CLA	C2B-C3B-CAB-CBB
16	n	510	CLA	C2B-C3B-CAB-CBB
16	n	517	CLA	C2B-C3B-CAB-CBB
16	o	507	CLA	C2B-C3B-CAB-CBB
16	o	516	CLA	C2B-C3B-CAB-CBB
16	p	502	CLA	C2B-C3B-CAB-CBB
16	p	510	CLA	C2B-C3B-CAB-CBB
16	q	504	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
16	q	506	CLA	C2B-C3B-CAB-CBB
16	q	510	CLA	C2B-C3B-CAB-CBB
16	q	515	CLA	C2B-C3B-CAB-CBB
16	r	507	CLA	C2B-C3B-CAB-CBB
16	r	515	CLA	C2B-C3B-CAB-CBB
16	h	504	CLA	C2B-C3B-CAB-CBB
16	h	510	CLA	C2B-C3B-CAB-CBB
16	h	514	CLA	C2B-C3B-CAB-CBB
16	H	1110	CLA	C2B-C3B-CAB-CBB
16	H	1119	CLA	C2B-C3B-CAB-CBB
16	H	1130	CLA	C2B-C3B-CAB-CBB
16	H	1137	CLA	C2B-C3B-CAB-CBB
16	G	1023	CLA	C2B-C3B-CAB-CBB
16	G	1219	CLA	C2B-C3B-CAB-CBB
16	G	1221	CLA	C2B-C3B-CAB-CBB
16	G	1224	CLA	C2B-C3B-CAB-CBB
16	G	1228	CLA	C2B-C3B-CAB-CBB
16	G	1236	CLA	C2B-C3B-CAB-CBB
16	G	1240	CLA	C2B-C3B-CAB-CBB
16	U	1501	CLA	C2B-C3B-CAB-CBB
16	t	504	CLA	C2B-C3B-CAB-CBB
16	t	507	CLA	C2B-C3B-CAB-CBB
16	u	516	CLA	C2B-C3B-CAB-CBB
16	s	511	CLA	C2B-C3B-CAB-CBB
16	w	510	CLA	C2B-C3B-CAB-CBB
16	w	515	CLA	C2B-C3B-CAB-CBB
16	w	516	CLA	C2B-C3B-CAB-CBB
16	x	507	CLA	C2B-C3B-CAB-CBB
16	x	514	CLA	C2B-C3B-CAB-CBB
16	x	517	CLA	C2B-C3B-CAB-CBB
16	v	504	CLA	C2B-C3B-CAB-CBB
16	v	506	CLA	C2B-C3B-CAB-CBB
16	v	514	CLA	C2B-C3B-CAB-CBB
16	v	516	CLA	C2B-C3B-CAB-CBB
19	A	4001	BCR	C5-C6-C7-C8
19	A	4001	BCR	C23-C24-C25-C26
19	A	4001	BCR	C23-C24-C25-C30
19	A	4002	BCR	C5-C6-C7-C8
19	A	4002	BCR	C23-C24-C25-C30
19	A	4003	BCR	C5-C6-C7-C8
19	A	4007	BCR	C5-C6-C7-C8
19	A	4007	BCR	C23-C24-C25-C26

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Mol	Chain	Res	Type	Atoms
19	A	4008	BCR	C23-C24-C25-C26
19	A	4011	BCR	C23-C24-C25-C26
19	A	4011	BCR	C23-C24-C25-C30
19	B	4004	BCR	C5-C6-C7-C8
19	B	4004	BCR	C23-C24-C25-C26
19	B	4005	BCR	C5-C6-C7-C8
19	B	4005	BCR	C23-C24-C25-C30
19	B	4009	BCR	C5-C6-C7-C8
19	B	4014	BCR	C5-C6-C7-C8
19	B	4017	BCR	C5-C6-C7-C8
19	B	4017	BCR	C23-C24-C25-C26
19	F	4016	BCR	C5-C6-C7-C8
19	F	4016	BCR	C23-C24-C25-C30
19	I	4018	BCR	C5-C6-C7-C8
19	I	4018	BCR	C23-C24-C25-C30
19	I	4020	BCR	C5-C6-C7-C8
19	I	4020	BCR	C23-C24-C25-C26
19	J	4012	BCR	C5-C6-C7-C8
19	J	4012	BCR	C23-C24-C25-C30
19	L	4019	BCR	C5-C6-C7-C8
19	L	4022	BCR	C5-C6-C7-C8
19	L	4022	BCR	C23-C24-C25-C30
19	M	4021	BCR	C5-C6-C7-C8
19	M	4021	BCR	C23-C24-C25-C26
19	W	601	BCR	C5-C6-C7-C8
19	W	601	BCR	C23-C24-C25-C26
19	W	603	BCR	C5-C6-C7-C8
19	X	601	BCR	C5-C6-C7-C8
19	X	601	BCR	C23-C24-C25-C26
19	X	602	BCR	C5-C6-C7-C8
19	X	603	BCR	C5-C6-C7-C8
19	X	604	BCR	C5-C6-C7-C8
19	X	604	BCR	C23-C24-C25-C30
19	Y	601	BCR	C5-C6-C7-C8
19	Y	601	BCR	C23-C24-C25-C26
19	Y	602	BCR	C5-C6-C7-C8
19	Y	602	BCR	C23-C24-C25-C30
19	Y	603	BCR	C5-C6-C7-C8
19	Y	603	BCR	C23-C24-C25-C26
19	Y	604	BCR	C5-C6-C7-C8
19	Z	601	BCR	C5-C6-C7-C8
19	Z	601	BCR	C23-C24-C25-C26

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Mol	Chain	Res	Type	Atoms
19	Z	601	BCR	C23-C24-C25-C30
19	Z	602	BCR	C5-C6-C7-C8
19	Z	602	BCR	C23-C24-C25-C30
19	Z	603	BCR	C5-C6-C7-C8
19	Z	603	BCR	C23-C24-C25-C26
19	Z	604	BCR	C5-C6-C7-C8
19	Z	604	BCR	C23-C24-C25-C26
19	Z	604	BCR	C23-C24-C25-C30
19	g	601	BCR	C5-C6-C7-C8
19	g	601	BCR	C23-C24-C25-C26
19	g	603	BCR	C5-C6-C7-C8
19	g	603	BCR	C23-C24-C25-C26
19	g	604	BCR	C5-C6-C7-C8
19	g	604	BCR	C23-C24-C25-C26
19	y	601	BCR	C5-C6-C7-C8
19	y	601	BCR	C23-C24-C25-C26
19	y	602	BCR	C5-C6-C7-C8
19	y	602	BCR	C23-C24-C25-C26
19	y	603	BCR	C5-C6-C7-C8
19	a	4001	BCR	C5-C6-C7-C8
19	a	4001	BCR	C23-C24-C25-C26
19	a	4001	BCR	C23-C24-C25-C30
19	a	4002	BCR	C5-C6-C7-C8
19	a	4002	BCR	C23-C24-C25-C30
19	a	4003	BCR	C5-C6-C7-C8
19	a	4007	BCR	C5-C6-C7-C8
19	a	4007	BCR	C23-C24-C25-C26
19	a	4008	BCR	C23-C24-C25-C26
19	a	4011	BCR	C23-C24-C25-C26
19	a	4011	BCR	C23-C24-C25-C30
19	b	4004	BCR	C5-C6-C7-C8
19	b	4004	BCR	C23-C24-C25-C26
19	b	4005	BCR	C5-C6-C7-C8
19	b	4005	BCR	C23-C24-C25-C30
19	b	4009	BCR	C5-C6-C7-C8
19	b	4014	BCR	C5-C6-C7-C8
19	b	4017	BCR	C5-C6-C7-C8
19	b	4017	BCR	C23-C24-C25-C26
19	i	4018	BCR	C5-C6-C7-C8
19	i	4018	BCR	C23-C24-C25-C30
19	i	4020	BCR	C5-C6-C7-C8
19	i	4020	BCR	C23-C24-C25-C26

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Mol	Chain	Res	Type	Atoms
19	k	1501	BCR	C5-C6-C7-C8
19	l	4019	BCR	C5-C6-C7-C8
19	l	4022	BCR	C5-C6-C7-C8
19	l	4022	BCR	C23-C24-C25-C30
19	m	4021	BCR	C5-C6-C7-C8
19	m	4021	BCR	C23-C24-C25-C26
19	n	601	BCR	C5-C6-C7-C8
19	n	601	BCR	C23-C24-C25-C26
19	n	603	BCR	C5-C6-C7-C8
19	o	601	BCR	C5-C6-C7-C8
19	o	601	BCR	C23-C24-C25-C26
19	o	602	BCR	C5-C6-C7-C8
19	o	602	BCR	C23-C24-C25-C30
19	o	603	BCR	C5-C6-C7-C8
19	o	604	BCR	C1-C6-C7-C8
19	o	604	BCR	C23-C24-C25-C30
19	p	601	BCR	C5-C6-C7-C8
19	p	601	BCR	C23-C24-C25-C26
19	p	602	BCR	C5-C6-C7-C8
19	p	602	BCR	C23-C24-C25-C30
19	p	603	BCR	C5-C6-C7-C8
19	p	603	BCR	C23-C24-C25-C26
19	p	604	BCR	C5-C6-C7-C8
19	p	604	BCR	C23-C24-C25-C26
19	q	601	BCR	C5-C6-C7-C8
19	q	601	BCR	C23-C24-C25-C26
19	q	601	BCR	C23-C24-C25-C30
19	q	602	BCR	C5-C6-C7-C8
19	q	602	BCR	C23-C24-C25-C30
19	q	603	BCR	C5-C6-C7-C8
19	q	604	BCR	C5-C6-C7-C8
19	q	604	BCR	C23-C24-C25-C30
19	r	601	BCR	C5-C6-C7-C8
19	r	601	BCR	C23-C24-C25-C26
19	r	603	BCR	C5-C6-C7-C8
19	r	603	BCR	C23-C24-C25-C26
19	r	604	BCR	C5-C6-C7-C8
19	r	604	BCR	C23-C24-C25-C26
19	r	604	BCR	C23-C24-C25-C30
19	h	601	BCR	C5-C6-C7-C8
19	h	601	BCR	C23-C24-C25-C26
19	h	602	BCR	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
19	h	602	BCR	C23-C24-C25-C26
19	h	603	BCR	C5-C6-C7-C8
19	h	603	BCR	C23-C24-C25-C26
19	h	604	BCR	C5-C6-C7-C8
19	h	604	BCR	C23-C24-C25-C30
19	H	4001	BCR	C5-C6-C7-C8
19	H	4001	BCR	C23-C24-C25-C26
19	H	4001	BCR	C23-C24-C25-C30
19	H	4002	BCR	C5-C6-C7-C8
19	H	4002	BCR	C23-C24-C25-C30
19	H	4003	BCR	C5-C6-C7-C8
19	H	4007	BCR	C5-C6-C7-C8
19	H	4007	BCR	C23-C24-C25-C26
19	H	4008	BCR	C23-C24-C25-C26
19	H	4011	BCR	C23-C24-C25-C26
19	H	4011	BCR	C23-C24-C25-C30
19	G	4004	BCR	C5-C6-C7-C8
19	G	4004	BCR	C23-C24-C25-C26
19	G	4005	BCR	C5-C6-C7-C8
19	G	4005	BCR	C23-C24-C25-C30
19	G	4009	BCR	C5-C6-C7-C8
19	G	4014	BCR	C5-C6-C7-C8
19	G	4017	BCR	C5-C6-C7-C8
19	G	4017	BCR	C23-C24-C25-C26
19	R	4018	BCR	C5-C6-C7-C8
19	R	4018	BCR	C23-C24-C25-C30
19	R	4020	BCR	C5-C6-C7-C8
19	R	4020	BCR	C23-C24-C25-C26
19	U	4019	BCR	C5-C6-C7-C8
19	U	4022	BCR	C5-C6-C7-C8
19	U	4022	BCR	C23-C24-C25-C30
19	V	4021	BCR	C5-C6-C7-C8
19	V	4021	BCR	C23-C24-C25-C26
19	t	601	BCR	C5-C6-C7-C8
19	t	601	BCR	C23-C24-C25-C26
19	t	603	BCR	C5-C6-C7-C8
19	u	601	BCR	C5-C6-C7-C8
19	u	601	BCR	C23-C24-C25-C26
19	u	602	BCR	C5-C6-C7-C8
19	u	602	BCR	C23-C24-C25-C30
19	u	603	BCR	C5-C6-C7-C8
19	u	604	BCR	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
19	u	604	BCR	C23-C24-C25-C30
19	s	601	BCR	C5-C6-C7-C8
19	s	601	BCR	C23-C24-C25-C26
19	s	602	BCR	C5-C6-C7-C8
19	s	602	BCR	C23-C24-C25-C30
19	s	603	BCR	C5-C6-C7-C8
19	s	603	BCR	C23-C24-C25-C26
19	s	604	BCR	C5-C6-C7-C8
19	s	604	BCR	C23-C24-C25-C26
19	w	601	BCR	C5-C6-C7-C8
19	w	601	BCR	C23-C24-C25-C26
19	w	601	BCR	C23-C24-C25-C30
19	w	602	BCR	C5-C6-C7-C8
19	w	602	BCR	C23-C24-C25-C30
19	w	603	BCR	C5-C6-C7-C8
19	w	603	BCR	C23-C24-C25-C26
19	w	604	BCR	C5-C6-C7-C8
19	w	604	BCR	C23-C24-C25-C30
19	x	601	BCR	C5-C6-C7-C8
19	x	601	BCR	C23-C24-C25-C26
19	x	603	BCR	C5-C6-C7-C8
19	x	603	BCR	C23-C24-C25-C26
19	x	604	BCR	C5-C6-C7-C8
19	x	604	BCR	C23-C24-C25-C26
19	x	604	BCR	C23-C24-C25-C30
19	v	601	BCR	C5-C6-C7-C8
19	v	601	BCR	C23-C24-C25-C26
19	v	602	BCR	C5-C6-C7-C8
19	v	602	BCR	C23-C24-C25-C26
19	v	603	BCR	C5-C6-C7-C8
19	v	603	BCR	C23-C24-C25-C26
19	v	604	BCR	C5-C6-C7-C8
19	v	604	BCR	C23-C24-C25-C30
19	f	4016	BCR	C5-C6-C7-C8
19	f	4016	BCR	C23-C24-C25-C30
19	Q	4016	BCR	C5-C6-C7-C8
19	Q	4016	BCR	C23-C24-C25-C30
19	j	4012	BCR	C5-C6-C7-C8
19	j	4012	BCR	C23-C24-C25-C30
19	S	4012	BCR	C5-C6-C7-C8
19	S	4012	BCR	C23-C24-C25-C30
19	K	1501	BCR	C5-C6-C7-C8

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Mol	Chain	Res	Type	Atoms
19	T	1501	BCR	C5-C6-C7-C8
16	b	1023	CLA	C5-C6-C7-C8
13	i	103	LHG	C28-C29-C30-C31
16	x	511	CLA	C3-C5-C6-C7
16	B	1023	CLA	C5-C6-C7-C8
16	p	512	CLA	CAA-CBA-CGA-O2A
16	o	511	CLA	C4-C3-C5-C6
16	t	507	CLA	C4-C3-C5-C6
13	R	103	LHG	C28-C29-C30-C31
16	v	510	CLA	C2-C3-C5-C6
13	I	103	LHG	C28-C29-C30-C31
16	H	1116	CLA	O1D-CGD-O2D-CED
16	H	1138	CLA	CBA-CGA-O2A-C1
16	F	1301	CLA	CAA-CBA-CGA-O1A
16	b	1217	CLA	CAA-CBA-CGA-O2A
16	G	1217	CLA	CAA-CBA-CGA-O2A
16	f	1301	CLA	CAA-CBA-CGA-O1A
16	Q	1301	CLA	CAA-CBA-CGA-O1A
14	H	4201	LMG	C14-C15-C16-C17
19	Y	604	BCR	C9-C10-C11-C12
16	A	1123	CLA	C6-C7-C8-C10
16	A	1126	CLA	C11-C12-C13-C15
16	A	1138	CLA	C11-C12-C13-C15
16	B	1023	CLA	C6-C7-C8-C10
16	B	1223	CLA	C11-C12-C13-C15
16	Y	510	CLA	C11-C12-C13-C15
16	y	510	CLA	C6-C7-C8-C10
16	a	1123	CLA	C6-C7-C8-C10
16	a	1126	CLA	C11-C12-C13-C15
16	a	1138	CLA	C11-C12-C13-C15
16	b	1023	CLA	C6-C7-C8-C10
16	b	1223	CLA	C11-C12-C13-C15
16	p	510	CLA	C11-C12-C13-C15
16	q	511	CLA	C11-C10-C8-C7
16	H	1123	CLA	C6-C7-C8-C10
16	H	1126	CLA	C11-C12-C13-C15
16	H	1138	CLA	C11-C12-C13-C15
16	G	1023	CLA	C6-C7-C8-C10
16	G	1223	CLA	C11-C12-C13-C15
16	s	510	CLA	C6-C7-C8-C10
16	t	509	CLA	C2A-CAA-CBA-CGA
16	v	515	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
16	a	1124	CLA	C5-C6-C7-C8
16	B	1217	CLA	CAA-CBA-CGA-O2A
16	q	506	CLA	C10-C11-C12-C13
16	A	1138	CLA	CBA-CGA-O2A-C1
16	a	1138	CLA	CBA-CGA-O2A-C1
16	B	1012	CLA	C3-C5-C6-C7
16	X	517	CLA	C3-C5-C6-C7
16	b	1012	CLA	C3-C5-C6-C7
16	G	1012	CLA	C3-C5-C6-C7
14	G	848	LMG	C37-C38-C39-C40
14	B	848	LMG	C37-C38-C39-C40
14	b	848	LMG	C37-C38-C39-C40
16	A	1124	CLA	C5-C6-C7-C8
16	H	1124	CLA	C5-C6-C7-C8
19	I	4020	BCR	C11-C12-C13-C35
19	i	4020	BCR	C11-C12-C13-C35
19	n	603	BCR	C37-C22-C23-C24
19	R	4020	BCR	C11-C12-C13-C35
16	A	1119	CLA	C2-C3-C5-C6
16	A	1123	CLA	C2-C3-C5-C6
16	W	506	CLA	C2-C3-C5-C6
16	y	510	CLA	C2-C3-C5-C6
16	a	1119	CLA	C2-C3-C5-C6
16	a	1123	CLA	C2-C3-C5-C6
16	H	1119	CLA	C2-C3-C5-C6
16	H	1123	CLA	C2-C3-C5-C6
16	x	510	CLA	C2-C3-C5-C6
16	y	511	CLA	C2-C1-O2A-CGA
16	p	515	CLA	C2-C1-O2A-CGA
16	s	515	CLA	C2-C1-O2A-CGA
16	v	511	CLA	C2-C1-O2A-CGA
16	x	512	CLA	CAA-CBA-CGA-O2A
19	g	603	BCR	C21-C22-C23-C24
16	A	1116	CLA	C6-C7-C8-C9
16	a	1116	CLA	C6-C7-C8-C9
16	q	515	CLA	C5-C6-C7-C8
16	H	1116	CLA	C6-C7-C8-C9
16	B	1207	CLA	C2A-CAA-CBA-CGA
16	g	504	CLA	C2A-CAA-CBA-CGA
16	b	1207	CLA	C2A-CAA-CBA-CGA
16	h	515	CLA	C2A-CAA-CBA-CGA
16	G	1207	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
16	F	1301	CLA	CAA-CBA-CGA-O2A
16	f	1301	CLA	CAA-CBA-CGA-O2A
16	Q	1301	CLA	CAA-CBA-CGA-O2A
16	W	505	CLA	C14-C13-C15-C16
16	Y	504	CLA	C11-C10-C8-C9
16	b	1203	CLA	C11-C12-C13-C14
16	G	1203	CLA	C11-C12-C13-C14
16	r	517	CLA	C5-C6-C7-C8
16	A	1139	CLA	CBA-CGA-O2A-C1
16	H	1139	CLA	CBA-CGA-O2A-C1
16	o	515	CLA	C13-C15-C16-C17
19	Y	603	BCR	C22-C23-C24-C25
19	Z	604	BCR	C22-C23-C24-C25
19	q	603	BCR	C6-C7-C8-C9
16	B	1224	CLA	C4-C3-C5-C6
16	b	1224	CLA	C4-C3-C5-C6
16	G	1224	CLA	C4-C3-C5-C6
16	b	1023	CLA	C15-C16-C17-C18
16	G	1023	CLA	C15-C16-C17-C18
14	H	852	LMG	C34-C35-C36-C37
16	B	1023	CLA	C15-C16-C17-C18
16	u	517	CLA	C5-C6-C7-C8
16	w	515	CLA	C5-C6-C7-C8
16	y	509	CLA	C11-C12-C13-C14
16	a	1139	CLA	CBA-CGA-O2A-C1
14	A	852	LMG	C34-C35-C36-C37
14	a	852	LMG	C34-C35-C36-C37
16	A	1139	CLA	O1A-CGA-O2A-C1
16	a	1139	CLA	O1A-CGA-O2A-C1
16	H	1139	CLA	O1A-CGA-O2A-C1
16	b	1229	CLA	C10-C11-C12-C13
16	G	1229	CLA	C10-C11-C12-C13
16	B	1229	CLA	C10-C11-C12-C13
14	A	4201	LMG	O1-C7-C8-C9
14	a	4201	LMG	O1-C7-C8-C9
14	H	4201	LMG	O1-C7-C8-C9
16	H	1112	CLA	CAA-CBA-CGA-O2A
16	u	512	CLA	CAA-CBA-CGA-O2A
16	A	1120	CLA	C2A-CAA-CBA-CGA
16	A	1123	CLA	C2A-CAA-CBA-CGA
16	a	1120	CLA	C2A-CAA-CBA-CGA
16	a	1123	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
16	o	511	CLA	C2A-CAA-CBA-CGA
16	r	516	CLA	C2A-CAA-CBA-CGA
16	H	1120	CLA	C2A-CAA-CBA-CGA
16	H	1123	CLA	C2A-CAA-CBA-CGA
16	v	505	CLA	C2A-CAA-CBA-CGA
16	W	514	CLA	CAA-CBA-CGA-O2A
16	p	514	CLA	CAA-CBA-CGA-O2A
16	s	514	CLA	CAA-CBA-CGA-O2A
16	A	1112	CLA	CAA-CBA-CGA-O2A
16	g	512	CLA	CAA-CBA-CGA-O2A
16	a	1112	CLA	CAA-CBA-CGA-O2A
16	o	512	CLA	CAA-CBA-CGA-O2A
14	Y	701	LMG	C15-C16-C17-C18
16	B	1238	CLA	C8-C10-C11-C12
16	b	1238	CLA	C8-C10-C11-C12
16	A	1136	CLA	C4-C3-C5-C6
16	a	1136	CLA	C4-C3-C5-C6
16	h	507	CLA	C4-C3-C5-C6
16	H	1136	CLA	C4-C3-C5-C6
19	x	602	BCR	C9-C10-C11-C12
16	A	1134	CLA	CAA-CBA-CGA-O2A
16	Z	512	CLA	CAA-CBA-CGA-O2A
16	r	512	CLA	CAA-CBA-CGA-O2A
16	H	1134	CLA	CAA-CBA-CGA-O2A
16	B	1225	CLA	C2-C3-C5-C6
16	G	1224	CLA	C2-C3-C5-C6
16	b	1012	CLA	C5-C6-C7-C8
16	G	1012	CLA	C5-C6-C7-C8
16	s	511	CLA	C13-C15-C16-C17
16	Y	509	CLA	C4B-C3B-CAB-CBB
16	Y	514	CLA	C4B-C3B-CAB-CBB
16	y	509	CLA	C4B-C3B-CAB-CBB
16	n	504	CLA	C4B-C3B-CAB-CBB
16	n	517	CLA	C4B-C3B-CAB-CBB
16	p	510	CLA	C4B-C3B-CAB-CBB
16	r	514	CLA	C4B-C3B-CAB-CBB
16	h	504	CLA	C4B-C3B-CAB-CBB
16	h	510	CLA	C4B-C3B-CAB-CBB
16	w	515	CLA	C4B-C3B-CAB-CBB
16	x	506	CLA	C4B-C3B-CAB-CBB
16	v	504	CLA	C4B-C3B-CAB-CBB
16	v	510	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
16	X	514	CLA	O1A-CGA-O2A-C1
16	W	512	CLA	CAA-CBA-CGA-O2A
16	a	1134	CLA	CAA-CBA-CGA-O2A
16	n	512	CLA	CAA-CBA-CGA-O2A
16	X	514	CLA	CBA-CGA-O2A-C1
16	L	1503	CLA	CAA-CBA-CGA-O2A
16	b	1224	CLA	CAA-CBA-CGA-O2A
16	l	1503	CLA	CAA-CBA-CGA-O2A
16	G	1224	CLA	CAA-CBA-CGA-O2A
16	U	1503	CLA	CAA-CBA-CGA-O2A
16	G	1238	CLA	C8-C10-C11-C12
16	H	1137	CLA	O1A-CGA-O2A-C1
16	n	512	CLA	CAA-CBA-CGA-O1A
16	y	511	CLA	C16-C17-C18-C19
16	B	1012	CLA	C5-C6-C7-C8
19	A	4007	BCR	C16-C17-C18-C36
19	a	4007	BCR	C16-C17-C18-C36
19	n	601	BCR	C35-C13-C14-C15
19	p	601	BCR	C20-C21-C22-C37
19	h	601	BCR	C16-C17-C18-C36
19	H	4007	BCR	C16-C17-C18-C36
19	v	601	BCR	C16-C17-C18-C36
16	B	1224	CLA	CAA-CBA-CGA-O2A
16	o	501	CLA	O1D-CGD-O2D-CED
16	a	1137	CLA	O1A-CGA-O2A-C1
16	y	506	CLA	C5-C6-C7-C8
16	q	512	CLA	CAA-CBA-CGA-O2A
16	B	1224	CLA	C2-C3-C5-C6
16	b	1224	CLA	C2-C3-C5-C6
16	b	1225	CLA	C2-C3-C5-C6
16	G	1225	CLA	C2-C3-C5-C6
16	g	511	CLA	O1A-CGA-O2A-C1
16	t	510	CLA	C15-C16-C17-C18
16	B	1235	CLA	C11-C12-C13-C15
16	Y	504	CLA	C11-C10-C8-C7
16	b	1235	CLA	C11-C12-C13-C15
16	G	1235	CLA	C11-C12-C13-C15
16	X	512	CLA	CAA-CBA-CGA-O2A
19	X	604	BCR	C15-C16-C17-C18
19	g	602	BCR	C9-C10-C11-C12
16	y	514	CLA	CAA-CBA-CGA-O2A
16	W	512	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
16	A	1137	CLA	CBA-CGA-O2A-C1
16	a	1137	CLA	CBA-CGA-O2A-C1
16	A	1128	CLA	C11-C10-C8-C9
16	A	1131	CLA	C11-C10-C8-C9
16	B	1203	CLA	C11-C12-C13-C14
16	B	1225	CLA	C14-C13-C15-C16
16	B	1235	CLA	C6-C7-C8-C9
16	L	1501	CLA	C11-C10-C8-C9
16	X	504	CLA	C6-C7-C8-C9
16	X	504	CLA	C11-C10-C8-C9
16	X	505	CLA	C14-C13-C15-C16
16	g	509	CLA	C6-C7-C8-C9
16	a	1128	CLA	C11-C10-C8-C9
16	b	1225	CLA	C14-C13-C15-C16
16	b	1235	CLA	C6-C7-C8-C9
16	p	505	CLA	C11-C10-C8-C9
16	q	505	CLA	C11-C10-C8-C9
16	r	509	CLA	C6-C7-C8-C9
16	H	1128	CLA	C11-C10-C8-C9
16	G	1225	CLA	C14-C13-C15-C16
16	G	1235	CLA	C6-C7-C8-C9
16	t	505	CLA	C14-C13-C15-C16
16	A	1137	CLA	O1A-CGA-O2A-C1
16	g	512	CLA	CAA-CBA-CGA-O1A
16	w	512	CLA	CAA-CBA-CGA-O2A
16	A	1122	CLA	C2A-CAA-CBA-CGA
16	B	1212	CLA	C2A-CAA-CBA-CGA
16	B	1228	CLA	C2A-CAA-CBA-CGA
16	L	1502	CLA	C2A-CAA-CBA-CGA
16	g	514	CLA	C2A-CAA-CBA-CGA
16	g	517	CLA	C2A-CAA-CBA-CGA
16	a	1122	CLA	C2A-CAA-CBA-CGA
16	b	1212	CLA	C2A-CAA-CBA-CGA
16	b	1228	CLA	C2A-CAA-CBA-CGA
16	l	1502	CLA	C2A-CAA-CBA-CGA
16	r	517	CLA	C2A-CAA-CBA-CGA
16	H	1122	CLA	C2A-CAA-CBA-CGA
16	G	1212	CLA	C2A-CAA-CBA-CGA
16	G	1228	CLA	C2A-CAA-CBA-CGA
16	U	1502	CLA	C2A-CAA-CBA-CGA
16	B	1207	CLA	C2-C1-O2A-CGA
16	L	1503	CLA	C2-C1-O2A-CGA

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Mol	Chain	Res	Type	Atoms
16	Z	501	CLA	C2-C1-O2A-CGA
16	b	1207	CLA	C2-C1-O2A-CGA
16	l	1503	CLA	C2-C1-O2A-CGA
16	o	510	CLA	C2-C1-O2A-CGA
16	h	511	CLA	C2-C1-O2A-CGA
16	G	1207	CLA	C2-C1-O2A-CGA
16	U	1503	CLA	C2-C1-O2A-CGA
16	t	506	CLA	C2-C1-O2A-CGA
16	u	506	CLA	C2-C1-O2A-CGA
16	s	504	CLA	C2-C1-O2A-CGA
16	s	510	CLA	C2-C1-O2A-CGA
16	x	515	CLA	C2-C1-O2A-CGA
16	v	513	CLA	C2-C1-O2A-CGA
16	v	509	CLA	C11-C12-C13-C14
14	p	701	LMG	C11-C12-C13-C14
16	A	1128	CLA	C8-C10-C11-C12
16	a	1128	CLA	C8-C10-C11-C12
16	g	511	CLA	CBA-CGA-O2A-C1
16	H	1137	CLA	CBA-CGA-O2A-C1
16	B	1205	CLA	C3A-C2A-CAA-CBA
16	B	1235	CLA	C3A-C2A-CAA-CBA
16	Z	502	CLA	C3A-C2A-CAA-CBA
16	b	1205	CLA	C3A-C2A-CAA-CBA
16	b	1235	CLA	C3A-C2A-CAA-CBA
16	p	516	CLA	C3A-C2A-CAA-CBA
16	q	502	CLA	C3A-C2A-CAA-CBA
16	r	516	CLA	C3A-C2A-CAA-CBA
16	G	1205	CLA	C3A-C2A-CAA-CBA
16	t	517	CLA	C3A-C2A-CAA-CBA
16	y	512	CLA	CAA-CBA-CGA-O2A
16	r	512	CLA	CAA-CBA-CGA-O1A
16	h	514	CLA	CAA-CBA-CGA-O2A
16	v	514	CLA	CAA-CBA-CGA-O2A
16	v	507	CLA	C2-C3-C5-C6
16	A	1101	CLA	C5-C6-C7-C8
16	a	1101	CLA	C5-C6-C7-C8
16	H	1101	CLA	C5-C6-C7-C8
14	p	701	LMG	C34-C35-C36-C37
16	H	1128	CLA	C8-C10-C11-C12
16	J	1302	CLA	CAA-CBA-CGA-O2A
16	x	512	CLA	CAA-CBA-CGA-O1A
16	j	1302	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
16	S	1302	CLA	CAA-CBA-CGA-O2A
19	I	4018	BCR	C10-C11-C12-C13
19	i	4018	BCR	C10-C11-C12-C13
19	R	4018	BCR	C10-C11-C12-C13
16	H	1134	CLA	CAA-CBA-CGA-O1A
16	v	512	CLA	CAA-CBA-CGA-O2A
16	v	507	CLA	C3-C5-C6-C7
16	y	507	CLA	O1A-CGA-O2A-C1
16	L	1503	CLA	C16-C17-C18-C20
16	l	1503	CLA	C16-C17-C18-C20
16	U	1503	CLA	C16-C17-C18-C20
16	A	1112	CLA	CAA-CBA-CGA-O1A
16	A	1134	CLA	CAA-CBA-CGA-O1A
16	a	1112	CLA	CAA-CBA-CGA-O1A
16	a	1134	CLA	CAA-CBA-CGA-O1A
16	o	512	CLA	CAA-CBA-CGA-O1A
16	h	512	CLA	CAA-CBA-CGA-O2A
16	u	512	CLA	CAA-CBA-CGA-O1A
16	h	507	CLA	C3-C5-C6-C7
16	b	1224	CLA	C4C-C3C-CAC-CBC
16	q	512	CLA	CAA-CBA-CGA-O1A
16	H	1112	CLA	CAA-CBA-CGA-O1A
16	G	1219	CLA	CAA-CBA-CGA-O2A
16	a	1133	CLA	C2-C3-C5-C6
16	H	1133	CLA	C2-C3-C5-C6
16	B	1224	CLA	C4C-C3C-CAC-CBC
16	A	1140	CLA	C8-C10-C11-C12
16	W	511	CLA	C15-C16-C17-C18
16	G	1202	CLA	C8-C10-C11-C12
16	g	504	CLA	C11-C12-C13-C15
19	A	4011	BCR	C11-C10-C9-C8
19	A	4011	BCR	C16-C17-C18-C19
19	a	4011	BCR	C11-C10-C9-C8
19	a	4011	BCR	C16-C17-C18-C19
19	q	604	BCR	C20-C21-C22-C23
19	H	4011	BCR	C11-C10-C9-C8
19	H	4011	BCR	C16-C17-C18-C19
16	y	503	CLA	CAA-CBA-CGA-O1A
16	B	1219	CLA	CAA-CBA-CGA-O2A
16	X	512	CLA	CAA-CBA-CGA-O1A
16	b	1219	CLA	CAA-CBA-CGA-O2A
16	w	512	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
16	G	1224	CLA	C4C-C3C-CAC-CBC
16	B	1202	CLA	C8-C10-C11-C12
16	b	1202	CLA	C8-C10-C11-C12
16	H	1140	CLA	C8-C10-C11-C12
16	x	509	CLA	O1D-CGD-O2D-CED
16	Z	512	CLA	CAA-CBA-CGA-O1A
16	a	1140	CLA	C8-C10-C11-C12
17	B	2002	PQN	C18-C20-C21-C22
17	G	2002	PQN	C18-C20-C21-C22
16	B	1021	CLA	CAA-CBA-CGA-O1A
17	b	2002	PQN	C18-C20-C21-C22
16	Y	508	CLA	C4-C3-C5-C6
16	y	507	CLA	C4-C3-C5-C6
16	b	1223	CLA	C4-C3-C5-C6
16	p	504	CLA	C4-C3-C5-C6
16	b	1021	CLA	CAA-CBA-CGA-O1A
16	G	1021	CLA	CAA-CBA-CGA-O1A
16	X	517	CLA	CAA-CBA-CGA-O2A
16	x	509	CLA	CBD-CGD-O2D-CED
16	y	512	CLA	CAA-CBA-CGA-O1A
16	v	512	CLA	CAA-CBA-CGA-O1A
16	A	1133	CLA	C2-C3-C5-C6
16	X	511	CLA	C2-C3-C5-C6
19	p	604	BCR	C13-C14-C15-C16
16	J	1302	CLA	CAA-CBA-CGA-O1A
16	t	512	CLA	CAA-CBA-CGA-O2A
16	W	510	CLA	CAA-CBA-CGA-O2A
16	B	1206	CLA	C13-C15-C16-C17
16	b	1206	CLA	C13-C15-C16-C17
14	s	701	LMG	C11-C12-C13-C14
16	B	1239	CLA	C3-C5-C6-C7
16	b	1239	CLA	C3-C5-C6-C7
16	G	1239	CLA	C3-C5-C6-C7
16	t	512	CLA	CAA-CBA-CGA-O1A
16	j	1302	CLA	CAA-CBA-CGA-O1A
16	S	1302	CLA	CAA-CBA-CGA-O1A
16	G	1206	CLA	C13-C15-C16-C17
16	A	1109	CLA	C6-C7-C8-C9
16	A	1237	CLA	C6-C7-C8-C9
16	W	511	CLA	C6-C7-C8-C9
16	Z	505	CLA	C11-C12-C13-C14
16	Z	509	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
16	g	511	CLA	C6-C7-C8-C9
16	a	1109	CLA	C6-C7-C8-C9
16	o	505	CLA	C14-C13-C15-C16
16	H	1109	CLA	C6-C7-C8-C9
16	H	1237	CLA	C6-C7-C8-C9
16	Y	513	CLA	CAA-CBA-CGA-O2A
16	h	510	CLA	CAA-CBA-CGA-O2A
16	h	512	CLA	CAA-CBA-CGA-O1A
19	B	4004	BCR	C21-C22-C23-C24
19	Z	602	BCR	C21-C22-C23-C24
19	b	4004	BCR	C21-C22-C23-C24
19	G	4004	BCR	C21-C22-C23-C24
19	x	601	BCR	C11-C12-C13-C14
19	v	602	BCR	C17-C18-C19-C20
16	A	1122	CLA	C3-C5-C6-C7
16	a	1122	CLA	C3-C5-C6-C7
16	H	1122	CLA	C3-C5-C6-C7
14	Y	701	LMG	C29-C30-C31-C32
16	H	1126	CLA	CAA-CBA-CGA-O2A
16	t	502	CLA	CAA-CBA-CGA-O2A
16	A	1132	CLA	C2A-CAA-CBA-CGA
16	a	1132	CLA	C2A-CAA-CBA-CGA
16	H	1132	CLA	C2A-CAA-CBA-CGA
16	A	1109	CLA	C6-C7-C8-C10
16	A	1117	CLA	C6-C7-C8-C10
16	A	1128	CLA	C11-C10-C8-C7
16	B	1203	CLA	C6-C7-C8-C10
16	B	1203	CLA	C11-C12-C13-C15
16	X	504	CLA	C6-C7-C8-C10
16	g	515	CLA	C11-C10-C8-C7
16	a	1109	CLA	C6-C7-C8-C10
16	a	1117	CLA	C6-C7-C8-C10
16	a	1128	CLA	C11-C10-C8-C7
16	b	1203	CLA	C6-C7-C8-C10
16	b	1203	CLA	C11-C12-C13-C15
16	n	504	CLA	C6-C7-C8-C10
16	p	505	CLA	C11-C10-C8-C7
16	p	509	CLA	C11-C10-C8-C7
16	H	1109	CLA	C6-C7-C8-C10
16	H	1117	CLA	C6-C7-C8-C10
16	H	1128	CLA	C11-C10-C8-C7
16	G	1203	CLA	C6-C7-C8-C10

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Mol	Chain	Res	Type	Atoms
16	G	1203	CLA	C11-C12-C13-C15
16	w	505	CLA	C11-C10-C8-C7
16	G	1219	CLA	CAA-CBA-CGA-O1A
15	A	1011	CL0	C2B-C3B-CAB-CBB
15	a	1011	CL0	C2B-C3B-CAB-CBB
15	H	1011	CL0	C2B-C3B-CAB-CBB
16	A	1105	CLA	C2B-C3B-CAB-CBB
16	A	1115	CLA	C2B-C3B-CAB-CBB
16	A	1116	CLA	C2B-C3B-CAB-CBB
16	A	1135	CLA	C2B-C3B-CAB-CBB
16	B	1021	CLA	C2B-C3B-CAB-CBB
16	B	1212	CLA	C2B-C3B-CAB-CBB
16	B	1213	CLA	C2B-C3B-CAB-CBB
16	B	1231	CLA	C2B-C3B-CAB-CBB
16	W	504	CLA	C2B-C3B-CAB-CBB
16	W	510	CLA	C2B-C3B-CAB-CBB
16	W	512	CLA	C2B-C3B-CAB-CBB
16	W	515	CLA	C2B-C3B-CAB-CBB
16	W	517	CLA	C2B-C3B-CAB-CBB
16	X	515	CLA	C2B-C3B-CAB-CBB
16	X	516	CLA	C2B-C3B-CAB-CBB
16	Y	503	CLA	C2B-C3B-CAB-CBB
16	Y	510	CLA	C2B-C3B-CAB-CBB
16	Z	506	CLA	C2B-C3B-CAB-CBB
16	Z	509	CLA	C2B-C3B-CAB-CBB
16	Z	515	CLA	C2B-C3B-CAB-CBB
16	Z	516	CLA	C2B-C3B-CAB-CBB
16	y	504	CLA	C2B-C3B-CAB-CBB
16	y	516	CLA	C2B-C3B-CAB-CBB
16	a	1105	CLA	C2B-C3B-CAB-CBB
16	a	1115	CLA	C2B-C3B-CAB-CBB
16	a	1116	CLA	C2B-C3B-CAB-CBB
16	a	1135	CLA	C2B-C3B-CAB-CBB
16	b	1021	CLA	C2B-C3B-CAB-CBB
16	b	1212	CLA	C2B-C3B-CAB-CBB
16	b	1213	CLA	C2B-C3B-CAB-CBB
16	b	1231	CLA	C2B-C3B-CAB-CBB
16	n	507	CLA	C2B-C3B-CAB-CBB
16	n	509	CLA	C2B-C3B-CAB-CBB
16	n	512	CLA	C2B-C3B-CAB-CBB
16	n	516	CLA	C2B-C3B-CAB-CBB
16	o	509	CLA	C2B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
16	p	503	CLA	C2B-C3B-CAB-CBB
16	p	506	CLA	C2B-C3B-CAB-CBB
16	p	509	CLA	C2B-C3B-CAB-CBB
16	p	516	CLA	C2B-C3B-CAB-CBB
16	p	517	CLA	C2B-C3B-CAB-CBB
16	q	509	CLA	C2B-C3B-CAB-CBB
16	q	516	CLA	C2B-C3B-CAB-CBB
16	h	509	CLA	C2B-C3B-CAB-CBB
16	h	516	CLA	C2B-C3B-CAB-CBB
16	H	1105	CLA	C2B-C3B-CAB-CBB
16	H	1115	CLA	C2B-C3B-CAB-CBB
16	H	1116	CLA	C2B-C3B-CAB-CBB
16	H	1135	CLA	C2B-C3B-CAB-CBB
16	G	1021	CLA	C2B-C3B-CAB-CBB
16	G	1212	CLA	C2B-C3B-CAB-CBB
16	G	1213	CLA	C2B-C3B-CAB-CBB
16	G	1231	CLA	C2B-C3B-CAB-CBB
16	t	509	CLA	C2B-C3B-CAB-CBB
16	t	516	CLA	C2B-C3B-CAB-CBB
16	u	509	CLA	C2B-C3B-CAB-CBB
16	s	503	CLA	C2B-C3B-CAB-CBB
16	s	506	CLA	C2B-C3B-CAB-CBB
16	s	509	CLA	C2B-C3B-CAB-CBB
16	s	510	CLA	C2B-C3B-CAB-CBB
16	s	516	CLA	C2B-C3B-CAB-CBB
16	s	517	CLA	C2B-C3B-CAB-CBB
16	w	504	CLA	C2B-C3B-CAB-CBB
16	w	506	CLA	C2B-C3B-CAB-CBB
16	w	509	CLA	C2B-C3B-CAB-CBB
16	x	506	CLA	C2B-C3B-CAB-CBB
16	x	509	CLA	C2B-C3B-CAB-CBB
16	x	516	CLA	C2B-C3B-CAB-CBB
16	v	509	CLA	C2B-C3B-CAB-CBB
19	A	4002	BCR	C23-C24-C25-C26
19	A	4011	BCR	C5-C6-C7-C8
19	B	4006	BCR	C23-C24-C25-C26
19	B	4009	BCR	C23-C24-C25-C26
19	B	4009	BCR	C23-C24-C25-C30
19	B	4010	BCR	C23-C24-C25-C26
19	B	4010	BCR	C23-C24-C25-C30
19	B	4014	BCR	C23-C24-C25-C26
19	B	4014	BCR	C23-C24-C25-C30

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Mol	Chain	Res	Type	Atoms
19	F	4016	BCR	C23-C24-C25-C26
19	I	4018	BCR	C23-C24-C25-C26
19	J	4013	BCR	C1-C6-C7-C8
19	J	4013	BCR	C5-C6-C7-C8
19	J	4013	BCR	C23-C24-C25-C26
19	J	4013	BCR	C23-C24-C25-C30
19	J	4015	BCR	C23-C24-C25-C26
19	X	602	BCR	C23-C24-C25-C26
19	X	602	BCR	C23-C24-C25-C30
19	X	604	BCR	C23-C24-C25-C26
19	Y	602	BCR	C23-C24-C25-C26
19	Z	602	BCR	C23-C24-C25-C26
19	g	602	BCR	C1-C6-C7-C8
19	g	602	BCR	C5-C6-C7-C8
19	g	602	BCR	C23-C24-C25-C26
19	g	602	BCR	C23-C24-C25-C30
19	y	604	BCR	C23-C24-C25-C26
19	y	604	BCR	C23-C24-C25-C30
19	a	4002	BCR	C23-C24-C25-C26
19	a	4011	BCR	C5-C6-C7-C8
19	b	4006	BCR	C23-C24-C25-C26
19	b	4009	BCR	C23-C24-C25-C26
19	b	4009	BCR	C23-C24-C25-C30
19	b	4010	BCR	C23-C24-C25-C26
19	b	4010	BCR	C23-C24-C25-C30
19	b	4014	BCR	C23-C24-C25-C26
19	b	4014	BCR	C23-C24-C25-C30
19	i	4018	BCR	C23-C24-C25-C26
19	o	602	BCR	C23-C24-C25-C26
19	o	604	BCR	C5-C6-C7-C8
19	o	604	BCR	C23-C24-C25-C26
19	p	602	BCR	C23-C24-C25-C26
19	q	602	BCR	C23-C24-C25-C26
19	q	604	BCR	C23-C24-C25-C26
19	r	602	BCR	C1-C6-C7-C8
19	r	602	BCR	C23-C24-C25-C26
19	r	602	BCR	C23-C24-C25-C30
19	h	604	BCR	C23-C24-C25-C26
19	H	4002	BCR	C23-C24-C25-C26
19	H	4011	BCR	C5-C6-C7-C8
19	G	4006	BCR	C23-C24-C25-C26
19	G	4009	BCR	C23-C24-C25-C26

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Mol	Chain	Res	Type	Atoms
19	G	4009	BCR	C23-C24-C25-C30
19	G	4010	BCR	C23-C24-C25-C26
19	G	4010	BCR	C23-C24-C25-C30
19	G	4014	BCR	C23-C24-C25-C26
19	G	4014	BCR	C23-C24-C25-C30
19	R	4018	BCR	C23-C24-C25-C26
19	u	604	BCR	C23-C24-C25-C26
19	s	602	BCR	C23-C24-C25-C26
19	w	602	BCR	C23-C24-C25-C26
19	w	604	BCR	C23-C24-C25-C26
19	x	602	BCR	C1-C6-C7-C8
19	x	602	BCR	C5-C6-C7-C8
19	x	602	BCR	C23-C24-C25-C26
19	x	602	BCR	C23-C24-C25-C30
19	v	604	BCR	C23-C24-C25-C26
19	f	4016	BCR	C23-C24-C25-C26
19	Q	4016	BCR	C23-C24-C25-C26
19	j	4013	BCR	C1-C6-C7-C8
19	j	4013	BCR	C5-C6-C7-C8
19	j	4013	BCR	C23-C24-C25-C26
19	j	4013	BCR	C23-C24-C25-C30
19	j	4015	BCR	C23-C24-C25-C26
19	S	4013	BCR	C1-C6-C7-C8
19	S	4013	BCR	C5-C6-C7-C8
19	S	4013	BCR	C23-C24-C25-C26
19	S	4013	BCR	C23-C24-C25-C30
19	S	4015	BCR	C23-C24-C25-C26
16	A	1126	CLA	CAA-CBA-CGA-O2A
16	W	502	CLA	CAA-CBA-CGA-O2A
16	g	517	CLA	CAA-CBA-CGA-O2A
16	a	1126	CLA	CAA-CBA-CGA-O2A
16	w	503	CLA	CAA-CBA-CGA-O2A
16	Y	504	CLA	C2-C1-O2A-CGA
16	n	506	CLA	C2-C1-O2A-CGA
16	p	504	CLA	C2-C1-O2A-CGA
16	H	1109	CLA	C2-C1-O2A-CGA
16	u	504	CLA	C2-C1-O2A-CGA
16	h	511	CLA	C16-C17-C18-C19
16	A	1116	CLA	CAA-CBA-CGA-O2A
16	y	505	CLA	CAA-CBA-CGA-O2A
16	y	510	CLA	CAA-CBA-CGA-O2A
16	a	1116	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
16	r	517	CLA	CAA-CBA-CGA-O2A
16	H	1116	CLA	CAA-CBA-CGA-O2A
16	t	507	CLA	CAA-CBA-CGA-O2A
16	s	502	CLA	CAA-CBA-CGA-O2A
16	v	510	CLA	CAA-CBA-CGA-O2A
16	b	1219	CLA	CAA-CBA-CGA-O1A
16	y	507	CLA	CBA-CGA-O2A-C1
16	B	1223	CLA	C4-C3-C5-C6
16	G	1223	CLA	C4-C3-C5-C6
16	n	506	CLA	C3-C5-C6-C7
16	B	1238	CLA	CAA-CBA-CGA-O2A
16	W	516	CLA	CAA-CBA-CGA-O2A
16	X	510	CLA	CAA-CBA-CGA-O2A
16	X	511	CLA	CAA-CBA-CGA-O2A
16	y	511	CLA	CAA-CBA-CGA-O2A
16	y	516	CLA	CAA-CBA-CGA-O2A
16	b	1238	CLA	CAA-CBA-CGA-O2A
16	p	513	CLA	CAA-CBA-CGA-O2A
16	q	505	CLA	CAA-CBA-CGA-O2A
16	G	1238	CLA	CAA-CBA-CGA-O2A
16	t	516	CLA	CAA-CBA-CGA-O2A
16	s	511	CLA	CAA-CBA-CGA-O2A
16	v	511	CLA	CAA-CBA-CGA-O2A
16	B	1219	CLA	CAA-CBA-CGA-O1A
16	q	511	CLA	C13-C15-C16-C17
16	H	1109	CLA	C10-C11-C12-C13
16	A	1106	CLA	C2A-CAA-CBA-CGA
16	a	1106	CLA	C2A-CAA-CBA-CGA
16	H	1106	CLA	C2A-CAA-CBA-CGA
14	B	848	LMG	C11-C10-O7-C8
14	b	848	LMG	C11-C10-O7-C8
14	G	848	LMG	C11-C10-O7-C8
16	B	1207	CLA	C5-C6-C7-C8
16	b	1207	CLA	C5-C6-C7-C8
16	B	1206	CLA	CAA-CBA-CGA-O2A
16	b	1206	CLA	CAA-CBA-CGA-O2A
16	n	502	CLA	CAA-CBA-CGA-O2A
16	o	511	CLA	CAA-CBA-CGA-O2A
16	o	517	CLA	CAA-CBA-CGA-O2A
16	p	511	CLA	CAA-CBA-CGA-O2A
16	p	517	CLA	CAA-CBA-CGA-O2A
16	r	511	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
16	G	1206	CLA	CAA-CBA-CGA-O2A
16	u	511	CLA	CAA-CBA-CGA-O2A
16	G	1207	CLA	C5-C6-C7-C8
16	B	1207	CLA	CAA-CBA-CGA-O2A
16	Y	502	CLA	CAA-CBA-CGA-O2A
16	Z	502	CLA	CAA-CBA-CGA-O2A
16	b	1207	CLA	CAA-CBA-CGA-O2A
16	n	516	CLA	CAA-CBA-CGA-O2A
16	q	502	CLA	CAA-CBA-CGA-O2A
16	h	505	CLA	CAA-CBA-CGA-O2A
16	h	511	CLA	CAA-CBA-CGA-O2A
16	h	516	CLA	CAA-CBA-CGA-O2A
16	G	1207	CLA	CAA-CBA-CGA-O2A
16	t	508	CLA	CAA-CBA-CGA-O2A
16	x	505	CLA	CAA-CBA-CGA-O2A
16	x	517	CLA	CAA-CBA-CGA-O2A
13	R	103	LHG	C29-C30-C31-C32
14	s	701	LMG	C15-C16-C17-C18
13	i	103	LHG	C29-C30-C31-C32
13	I	103	LHG	C29-C30-C31-C32
16	G	1224	CLA	C2C-C3C-CAC-CBC
16	A	1130	CLA	C4-C3-C5-C6
16	a	1130	CLA	C4-C3-C5-C6
16	H	1130	CLA	C4-C3-C5-C6
16	A	1111	CLA	CAA-CBA-CGA-O2A
16	L	1501	CLA	CAA-CBA-CGA-O2A
16	y	507	CLA	CAA-CBA-CGA-O2A
16	a	1111	CLA	CAA-CBA-CGA-O2A
16	l	1501	CLA	CAA-CBA-CGA-O2A
16	n	517	CLA	CAA-CBA-CGA-O2A
16	o	505	CLA	CAA-CBA-CGA-O2A
16	o	516	CLA	CAA-CBA-CGA-O2A
16	p	502	CLA	CAA-CBA-CGA-O2A
16	r	505	CLA	CAA-CBA-CGA-O2A
16	r	507	CLA	CAA-CBA-CGA-O2A
16	H	1111	CLA	CAA-CBA-CGA-O2A
16	U	1501	CLA	CAA-CBA-CGA-O2A
16	w	502	CLA	CAA-CBA-CGA-O2A
16	A	1109	CLA	C10-C11-C12-C13
16	a	1109	CLA	C10-C11-C12-C13
16	u	511	CLA	C2-C3-C5-C6
16	A	1128	CLA	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
16	X	512	CLA	C2A-CAA-CBA-CGA
16	Z	514	CLA	C2A-CAA-CBA-CGA
16	g	510	CLA	C2A-CAA-CBA-CGA
16	a	1128	CLA	C2A-CAA-CBA-CGA
16	n	509	CLA	C2A-CAA-CBA-CGA
16	H	1128	CLA	C2A-CAA-CBA-CGA
16	W	504	CLA	CAA-CBA-CGA-O2A
16	Y	511	CLA	CAA-CBA-CGA-O2A
16	n	508	CLA	CAA-CBA-CGA-O2A
16	p	505	CLA	CAA-CBA-CGA-O2A
16	u	516	CLA	CAA-CBA-CGA-O2A
16	w	505	CLA	CAA-CBA-CGA-O2A
16	v	505	CLA	CAA-CBA-CGA-O2A
16	v	516	CLA	CAA-CBA-CGA-O2A
16	A	1101	CLA	C11-C12-C13-C14
16	B	1239	CLA	C6-C7-C8-C9
16	a	1101	CLA	C11-C12-C13-C14
16	a	1131	CLA	C11-C10-C8-C9
16	a	1237	CLA	C6-C7-C8-C9
16	b	1239	CLA	C6-C7-C8-C9
16	l	1501	CLA	C11-C10-C8-C9
16	H	1101	CLA	C11-C12-C13-C14
16	H	1131	CLA	C11-C10-C8-C9
16	G	1239	CLA	C6-C7-C8-C9
16	U	1501	CLA	C11-C10-C8-C9
19	g	604	BCR	C11-C12-C13-C35
19	w	603	BCR	C7-C8-C9-C34
16	B	1236	CLA	CAA-CBA-CGA-O2A
16	y	517	CLA	CAA-CBA-CGA-O2A
16	h	502	CLA	CAA-CBA-CGA-O2A
16	h	507	CLA	CAA-CBA-CGA-O2A
16	h	517	CLA	CAA-CBA-CGA-O2A
16	G	1236	CLA	CAA-CBA-CGA-O2A
16	u	517	CLA	CAA-CBA-CGA-O2A
16	s	505	CLA	CAA-CBA-CGA-O2A
16	x	511	CLA	CAA-CBA-CGA-O2A
16	v	507	CLA	CAA-CBA-CGA-O2A
16	b	1224	CLA	C2C-C3C-CAC-CBC
14	B	848	LMG	O1-C7-C8-C9
14	b	848	LMG	O1-C7-C8-C9
14	G	848	LMG	O1-C7-C8-C9
15	A	1011	CL0	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
15	a	1011	CL0	C1A-C2A-CAA-CBA
15	H	1011	CL0	C1A-C2A-CAA-CBA
16	A	1115	CLA	C4B-C3B-CAB-CBB
16	A	1116	CLA	C4B-C3B-CAB-CBB
16	A	1135	CLA	C4B-C3B-CAB-CBB
16	B	1021	CLA	C4B-C3B-CAB-CBB
16	B	1203	CLA	C1A-C2A-CAA-CBA
16	B	1225	CLA	C4B-C3B-CAB-CBB
16	B	1231	CLA	C4B-C3B-CAB-CBB
16	B	1235	CLA	C1A-C2A-CAA-CBA
16	W	507	CLA	C1A-C2A-CAA-CBA
16	W	512	CLA	C4B-C3B-CAB-CBB
16	X	505	CLA	C1A-C2A-CAA-CBA
16	X	511	CLA	C1A-C2A-CAA-CBA
16	Y	515	CLA	C1A-C2A-CAA-CBA
16	Z	515	CLA	C4B-C3B-CAB-CBB
16	g	502	CLA	C1A-C2A-CAA-CBA
16	g	505	CLA	C1A-C2A-CAA-CBA
16	a	1115	CLA	C4B-C3B-CAB-CBB
16	a	1116	CLA	C4B-C3B-CAB-CBB
16	a	1135	CLA	C4B-C3B-CAB-CBB
16	b	1021	CLA	C4B-C3B-CAB-CBB
16	b	1203	CLA	C1A-C2A-CAA-CBA
16	b	1225	CLA	C4B-C3B-CAB-CBB
16	b	1231	CLA	C4B-C3B-CAB-CBB
16	b	1235	CLA	C1A-C2A-CAA-CBA
16	n	507	CLA	C1A-C2A-CAA-CBA
16	n	512	CLA	C4B-C3B-CAB-CBB
16	p	509	CLA	C4B-C3B-CAB-CBB
16	r	516	CLA	C1A-C2A-CAA-CBA
16	r	516	CLA	C4B-C3B-CAB-CBB
16	H	1115	CLA	C4B-C3B-CAB-CBB
16	H	1116	CLA	C4B-C3B-CAB-CBB
16	H	1135	CLA	C4B-C3B-CAB-CBB
16	G	1021	CLA	C4B-C3B-CAB-CBB
16	G	1203	CLA	C1A-C2A-CAA-CBA
16	G	1225	CLA	C4B-C3B-CAB-CBB
16	G	1231	CLA	C4B-C3B-CAB-CBB
16	G	1235	CLA	C1A-C2A-CAA-CBA
16	u	504	CLA	C1A-C2A-CAA-CBA
16	s	509	CLA	C4B-C3B-CAB-CBB
16	v	509	CLA	C4B-C3B-CAB-CBB

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Mol	Chain	Res	Type	Atoms
13	a	849	LHG	C24-C23-O8-C6
16	B	1224	CLA	C2C-C3C-CAC-CBC
16	n	507	CLA	C4-C3-C5-C6
14	a	4101	LMG	C11-C12-C13-C14
16	A	1103	CLA	CAA-CBA-CGA-O2A
16	W	505	CLA	CAA-CBA-CGA-O2A
16	W	507	CLA	CAA-CBA-CGA-O2A
16	W	508	CLA	CAA-CBA-CGA-O2A
16	X	516	CLA	CAA-CBA-CGA-O2A
16	Z	505	CLA	CAA-CBA-CGA-O2A
16	Z	517	CLA	CAA-CBA-CGA-O2A
16	a	1103	CLA	CAA-CBA-CGA-O2A
16	b	1236	CLA	CAA-CBA-CGA-O2A
16	H	1103	CLA	CAA-CBA-CGA-O2A
16	s	513	CLA	CAA-CBA-CGA-O2A
14	H	4101	LMG	C11-C12-C13-C14
14	H	852	LMG	C37-C38-C39-C40
19	A	4011	BCR	C7-C8-C9-C10
19	B	4010	BCR	C21-C22-C23-C24
19	g	601	BCR	C11-C12-C13-C14
19	a	4011	BCR	C7-C8-C9-C10
19	b	4010	BCR	C21-C22-C23-C24
19	p	602	BCR	C21-C22-C23-C24
19	r	601	BCR	C11-C12-C13-C14
19	H	4011	BCR	C7-C8-C9-C10
19	G	4010	BCR	C21-C22-C23-C24
19	t	601	BCR	C7-C8-C9-C10
19	h	602	BCR	C13-C14-C15-C16
19	u	601	BCR	C13-C14-C15-C16
14	A	4101	LMG	C11-C12-C13-C14
14	a	852	LMG	C37-C38-C39-C40
13	A	849	LHG	C24-C23-O8-C6
13	H	849	LHG	C24-C23-O8-C6
16	W	517	CLA	CAA-CBA-CGA-O2A
16	X	505	CLA	CAA-CBA-CGA-O2A
16	Y	505	CLA	CAA-CBA-CGA-O2A
16	g	505	CLA	CAA-CBA-CGA-O2A
16	n	505	CLA	CAA-CBA-CGA-O2A
16	p	510	CLA	CAA-CBA-CGA-O2A
16	t	505	CLA	CAA-CBA-CGA-O2A
16	t	517	CLA	CAA-CBA-CGA-O2A
16	u	505	CLA	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
16	s	517	CLA	CAA-CBA-CGA-O2A
16	w	517	CLA	CAA-CBA-CGA-O2A
16	v	502	CLA	CAA-CBA-CGA-O2A
14	A	852	LMG	C37-C38-C39-C40
16	A	1136	CLA	C2A-CAA-CBA-CGA
16	Y	516	CLA	C2A-CAA-CBA-CGA
16	a	1136	CLA	C2A-CAA-CBA-CGA
16	H	1136	CLA	C2A-CAA-CBA-CGA
16	x	516	CLA	C2A-CAA-CBA-CGA
16	n	510	CLA	C13-C15-C16-C17
16	u	507	CLA	C15-C16-C17-C18
16	v	511	CLA	C16-C17-C18-C19
16	n	507	CLA	CAA-CBA-CGA-O2A
16	G	1220	CLA	O1A-CGA-O2A-C1
15	A	1011	CL0	C2-C1-O2A-CGA
15	a	1011	CL0	C2-C1-O2A-CGA
15	H	1011	CL0	C2-C1-O2A-CGA
16	A	1106	CLA	C2-C1-O2A-CGA
16	A	1107	CLA	C2-C1-O2A-CGA
16	A	1109	CLA	C2-C1-O2A-CGA
16	B	1012	CLA	C2-C1-O2A-CGA
16	Y	515	CLA	C2-C1-O2A-CGA
16	Z	515	CLA	C2-C1-O2A-CGA
16	a	1106	CLA	C2-C1-O2A-CGA
16	a	1107	CLA	C2-C1-O2A-CGA
16	a	1109	CLA	C2-C1-O2A-CGA
16	b	1012	CLA	C2-C1-O2A-CGA
16	n	511	CLA	C2-C1-O2A-CGA
16	H	1106	CLA	C2-C1-O2A-CGA
16	H	1107	CLA	C2-C1-O2A-CGA
16	G	1012	CLA	C2-C1-O2A-CGA
16	x	501	CLA	C2-C1-O2A-CGA
16	B	1235	CLA	CAA-CBA-CGA-O2A
16	b	1235	CLA	CAA-CBA-CGA-O2A
16	G	1235	CLA	CAA-CBA-CGA-O2A
16	A	1132	CLA	C12-C13-C15-C16
16	W	509	CLA	C6-C7-C8-C10
16	Y	505	CLA	C12-C13-C15-C16
16	a	1132	CLA	C12-C13-C15-C16
16	q	505	CLA	C11-C10-C8-C7
16	H	1132	CLA	C12-C13-C15-C16
16	t	505	CLA	C12-C13-C15-C16

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Mol	Chain	Res	Type	Atoms
16	x	509	CLA	C6-C7-C8-C10
16	B	1220	CLA	CBA-CGA-O2A-C1
16	b	1220	CLA	CBA-CGA-O2A-C1
16	G	1220	CLA	CBA-CGA-O2A-C1
16	H	1128	CLA	C10-C11-C12-C13
16	B	1225	CLA	C15-C16-C17-C18
16	a	1128	CLA	C10-C11-C12-C13
16	G	1225	CLA	C15-C16-C17-C18
16	B	1220	CLA	O1A-CGA-O2A-C1
16	b	1225	CLA	C15-C16-C17-C18
17	a	2001	PQN	C13-C15-C16-C17
16	Y	513	CLA	CAA-CBA-CGA-O1A
16	x	510	CLA	C2A-CAA-CBA-CGA
16	A	1128	CLA	C10-C11-C12-C13
16	v	517	CLA	CAA-CBA-CGA-O2A
16	G	1206	CLA	CAA-CBA-CGA-O1A
16	A	1111	CLA	O1A-CGA-O2A-C1
16	a	1111	CLA	O1A-CGA-O2A-C1
16	b	1220	CLA	O1A-CGA-O2A-C1
16	H	1111	CLA	O1A-CGA-O2A-C1
14	A	4101	LMG	C20-C21-C22-C23
14	H	4101	LMG	C20-C21-C22-C23
16	n	506	CLA	C5-C6-C7-C8
14	a	4101	LMG	C20-C21-C22-C23
16	A	1111	CLA	C3A-C2A-CAA-CBA
16	B	1207	CLA	C3A-C2A-CAA-CBA
16	a	1111	CLA	C3A-C2A-CAA-CBA
16	b	1207	CLA	C3A-C2A-CAA-CBA
16	H	1111	CLA	C3A-C2A-CAA-CBA
16	G	1207	CLA	C3A-C2A-CAA-CBA
16	t	507	CLA	C3A-C2A-CAA-CBA
16	s	504	CLA	C4-C3-C5-C6
16	y	510	CLA	CAA-CBA-CGA-O1A
16	a	1140	CLA	C10-C11-C12-C13
16	x	507	CLA	C13-C15-C16-C17
16	q	515	CLA	C16-C17-C18-C19
16	o	514	CLA	CAA-CBA-CGA-O2A
16	q	517	CLA	CAA-CBA-CGA-O2A
16	s	507	CLA	CAA-CBA-CGA-O2A
16	o	511	CLA	C2-C3-C5-C6
14	Y	701	LMG	C34-C35-C36-C37
19	Y	602	BCR	C20-C21-C22-C23

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Mol	Chain	Res	Type	Atoms
19	y	604	BCR	C20-C21-C22-C23
17	A	2001	PQN	C13-C15-C16-C17
17	H	2001	PQN	C13-C15-C16-C17
16	B	1206	CLA	CAA-CBA-CGA-O1A
16	W	502	CLA	CAA-CBA-CGA-O1A
16	X	510	CLA	CAA-CBA-CGA-O1A
16	b	1206	CLA	CAA-CBA-CGA-O1A
16	p	513	CLA	CAA-CBA-CGA-O1A
16	p	517	CLA	CAA-CBA-CGA-O1A
16	r	511	CLA	CAA-CBA-CGA-O1A
16	r	517	CLA	CAA-CBA-CGA-O1A
16	s	502	CLA	CAA-CBA-CGA-O1A
16	s	511	CLA	CAA-CBA-CGA-O1A
16	A	1105	CLA	CBA-CGA-O2A-C1
16	a	1105	CLA	CBA-CGA-O2A-C1
16	Y	510	CLA	CAA-CBA-CGA-O2A
16	Y	517	CLA	CAA-CBA-CGA-O2A
16	o	510	CLA	CAA-CBA-CGA-O2A
16	w	509	CLA	CAA-CBA-CGA-O2A
16	A	1105	CLA	O1A-CGA-O2A-C1
16	H	1105	CLA	O1A-CGA-O2A-C1
16	B	1238	CLA	CAA-CBA-CGA-O1A
16	X	511	CLA	CAA-CBA-CGA-O1A
16	Z	505	CLA	CAA-CBA-CGA-O1A
16	b	1238	CLA	CAA-CBA-CGA-O1A
16	o	511	CLA	CAA-CBA-CGA-O1A
16	q	502	CLA	CAA-CBA-CGA-O1A
16	h	510	CLA	CAA-CBA-CGA-O1A
16	h	511	CLA	CAA-CBA-CGA-O1A
16	H	1126	CLA	CAA-CBA-CGA-O1A
16	G	1238	CLA	CAA-CBA-CGA-O1A
16	t	502	CLA	CAA-CBA-CGA-O1A
16	t	516	CLA	CAA-CBA-CGA-O1A
16	x	511	CLA	CAA-CBA-CGA-O1A
16	v	511	CLA	CAA-CBA-CGA-O1A
16	y	504	CLA	C8-C10-C11-C12
16	H	1105	CLA	CBA-CGA-O2A-C1
16	A	1117	CLA	C6-C7-C8-C9
16	A	1123	CLA	C6-C7-C8-C9
16	W	509	CLA	C6-C7-C8-C9
16	Z	505	CLA	C11-C10-C8-C9
16	a	1117	CLA	C6-C7-C8-C9

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Mol	Chain	Res	Type	Atoms
16	a	1123	CLA	C6-C7-C8-C9
16	H	1117	CLA	C6-C7-C8-C9
16	H	1123	CLA	C6-C7-C8-C9
16	u	504	CLA	C6-C7-C8-C9
16	v	510	CLA	C6-C7-C8-C9
14	b	848	LMG	O7-C10-C11-C12
16	y	502	CLA	CAA-CBA-CGA-O2A
16	n	510	CLA	CAA-CBA-CGA-O2A
16	A	1126	CLA	CAA-CBA-CGA-O1A
16	Z	502	CLA	CAA-CBA-CGA-O1A
16	g	517	CLA	CAA-CBA-CGA-O1A
16	y	516	CLA	CAA-CBA-CGA-O1A
16	a	1126	CLA	CAA-CBA-CGA-O1A
16	n	516	CLA	CAA-CBA-CGA-O1A
16	o	517	CLA	CAA-CBA-CGA-O1A
16	h	507	CLA	CAA-CBA-CGA-O1A
16	w	502	CLA	CAA-CBA-CGA-O1A
16	w	505	CLA	CAA-CBA-CGA-O1A
16	x	517	CLA	CAA-CBA-CGA-O1A
16	v	507	CLA	CAA-CBA-CGA-O1A
16	A	1140	CLA	C10-C11-C12-C13
16	H	1140	CLA	C10-C11-C12-C13
19	r	604	BCR	C15-C16-C17-C18
16	g	511	CLA	C5-C6-C7-C8
16	G	1206	CLA	C8-C10-C11-C12
19	r	604	BCR	C11-C12-C13-C35
16	B	1218	CLA	C4-C3-C5-C6
16	b	1218	CLA	C4-C3-C5-C6
16	G	1218	CLA	C4-C3-C5-C6
16	s	509	CLA	C4-C3-C5-C6
16	w	504	CLA	C4-C3-C5-C6
16	B	1207	CLA	CAA-CBA-CGA-O1A
16	L	1501	CLA	CAA-CBA-CGA-O1A
16	Y	502	CLA	CAA-CBA-CGA-O1A
16	Y	511	CLA	CAA-CBA-CGA-O1A
16	y	511	CLA	CAA-CBA-CGA-O1A
16	b	1207	CLA	CAA-CBA-CGA-O1A
16	l	1501	CLA	CAA-CBA-CGA-O1A
16	p	511	CLA	CAA-CBA-CGA-O1A
16	h	516	CLA	CAA-CBA-CGA-O1A
16	G	1207	CLA	CAA-CBA-CGA-O1A
16	u	511	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
16	v	516	CLA	CAA-CBA-CGA-O1A
14	B	848	LMG	O7-C10-C11-C12
14	G	848	LMG	O7-C10-C11-C12
16	l	1502	CLA	CAA-CBA-CGA-O2A
16	U	1502	CLA	CAA-CBA-CGA-O2A
16	s	509	CLA	C2-C3-C5-C6
16	Y	517	CLA	O1A-CGA-O2A-C1
16	a	1105	CLA	O1A-CGA-O2A-C1
16	v	507	CLA	O1A-CGA-O2A-C1
16	W	507	CLA	CAA-CBA-CGA-O1A
16	W	508	CLA	CAA-CBA-CGA-O1A
16	W	510	CLA	CAA-CBA-CGA-O1A
16	X	517	CLA	CAA-CBA-CGA-O1A
16	p	505	CLA	CAA-CBA-CGA-O1A
16	U	1501	CLA	CAA-CBA-CGA-O1A
16	B	1206	CLA	C8-C10-C11-C12
16	Z	504	CLA	C8-C10-C11-C12
16	b	1206	CLA	C8-C10-C11-C12
16	H	1106	CLA	C15-C16-C17-C18
16	W	510	CLA	C15-C16-C17-C18
19	A	4003	BCR	C11-C12-C13-C14
19	B	4009	BCR	C11-C12-C13-C14
19	a	4003	BCR	C11-C12-C13-C14
19	b	4009	BCR	C11-C12-C13-C14
19	H	4003	BCR	C11-C12-C13-C14
19	G	4009	BCR	C11-C12-C13-C14
19	x	604	BCR	C7-C8-C9-C10
16	X	516	CLA	CAA-CBA-CGA-O1A
16	y	505	CLA	CAA-CBA-CGA-O1A
16	o	516	CLA	CAA-CBA-CGA-O1A
16	t	507	CLA	CAA-CBA-CGA-O1A
16	u	516	CLA	CAA-CBA-CGA-O1A
16	v	510	CLA	CAA-CBA-CGA-O1A
16	A	1106	CLA	C15-C16-C17-C18
16	a	1106	CLA	C15-C16-C17-C18
16	t	505	CLA	C13-C15-C16-C17
16	u	505	CLA	C15-C16-C17-C18
16	A	1111	CLA	CAA-CBA-CGA-O1A
16	B	1236	CLA	CAA-CBA-CGA-O1A
16	W	505	CLA	CAA-CBA-CGA-O1A
16	W	516	CLA	CAA-CBA-CGA-O1A
16	a	1103	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
16	a	1111	CLA	CAA-CBA-CGA-O1A
16	b	1236	CLA	CAA-CBA-CGA-O1A
16	n	502	CLA	CAA-CBA-CGA-O1A
16	n	505	CLA	CAA-CBA-CGA-O1A
16	h	505	CLA	CAA-CBA-CGA-O1A
16	H	1111	CLA	CAA-CBA-CGA-O1A
16	G	1236	CLA	CAA-CBA-CGA-O1A
16	s	505	CLA	CAA-CBA-CGA-O1A
16	L	1502	CLA	CAA-CBA-CGA-O2A
16	n	511	CLA	CAA-CBA-CGA-O2A
16	r	502	CLA	CAA-CBA-CGA-O2A
16	s	509	CLA	CAA-CBA-CGA-O2A
16	A	1126	CLA	C5-C6-C7-C8
16	H	1126	CLA	C5-C6-C7-C8
16	g	516	CLA	C2A-CAA-CBA-CGA
16	B	1228	CLA	C6-C7-C8-C9
16	Y	517	CLA	C6-C7-C8-C10
16	b	1228	CLA	C6-C7-C8-C9
16	G	1228	CLA	C6-C7-C8-C9
16	U	1503	CLA	C16-C17-C18-C19
16	a	1126	CLA	C5-C6-C7-C8
16	A	1103	CLA	CAA-CBA-CGA-O1A
16	Z	517	CLA	CAA-CBA-CGA-O1A
16	y	507	CLA	CAA-CBA-CGA-O1A
16	n	507	CLA	CAA-CBA-CGA-O1A
16	n	508	CLA	CAA-CBA-CGA-O1A
16	q	505	CLA	CAA-CBA-CGA-O1A
16	h	502	CLA	CAA-CBA-CGA-O1A
16	H	1103	CLA	CAA-CBA-CGA-O1A
16	u	517	CLA	CAA-CBA-CGA-O1A
16	x	505	CLA	CAA-CBA-CGA-O1A
16	v	505	CLA	CAA-CBA-CGA-O1A
16	B	1221	CLA	C5-C6-C7-C8
16	y	515	CLA	C5-C6-C7-C8
16	b	1221	CLA	C5-C6-C7-C8
16	G	1221	CLA	C5-C6-C7-C8
16	x	507	CLA	CAA-CBA-CGA-O2A
16	X	505	CLA	CAA-CBA-CGA-O1A
16	Y	505	CLA	CAA-CBA-CGA-O1A
16	p	502	CLA	CAA-CBA-CGA-O1A
16	r	505	CLA	CAA-CBA-CGA-O1A
16	t	505	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
16	t	517	CLA	CAA-CBA-CGA-O1A
16	u	505	CLA	CAA-CBA-CGA-O1A
16	l	1503	CLA	C16-C17-C18-C19
15	A	1011	CL0	CAD-CBD-CGD-O2D
15	a	1011	CL0	CAD-CBD-CGD-O2D
15	H	1011	CL0	CAD-CBD-CGD-O2D
16	A	1013	CLA	CAD-CBD-CGD-O2D
16	A	1118	CLA	CAD-CBD-CGD-O2D
16	g	517	CLA	CAD-CBD-CGD-O2D
16	y	502	CLA	CAD-CBD-CGD-O2D
16	y	509	CLA	CAD-CBD-CGD-O2D
16	a	1013	CLA	CAD-CBD-CGD-O2D
16	a	1118	CLA	CAD-CBD-CGD-O2D
16	n	515	CLA	CAD-CBD-CGD-O2D
16	n	516	CLA	CAD-CBD-CGD-O2D
16	p	507	CLA	CAD-CBD-CGD-O2D
16	q	510	CLA	CAD-CBD-CGD-O2D
16	H	1013	CLA	CAD-CBD-CGD-O2D
16	H	1118	CLA	CAD-CBD-CGD-O2D
16	w	506	CLA	CAD-CBD-CGD-O2D
16	B	1021	CLA	C15-C16-C17-C18
16	q	509	CLA	CAA-CBA-CGA-O2A
16	W	504	CLA	CAA-CBA-CGA-O1A
16	g	505	CLA	CAA-CBA-CGA-O1A
16	s	517	CLA	CAA-CBA-CGA-O1A
16	w	517	CLA	CAA-CBA-CGA-O1A
16	b	1021	CLA	C15-C16-C17-C18
16	n	509	CLA	C8-C10-C11-C12
16	G	1021	CLA	C15-C16-C17-C18
19	x	601	BCR	C6-C7-C8-C9
16	r	511	CLA	C2-C1-O2A-CGA
16	u	510	CLA	C2-C1-O2A-CGA
16	u	515	CLA	C2-C1-O2A-CGA
16	s	506	CLA	C2-C1-O2A-CGA
16	A	1108	CLA	CAA-CBA-CGA-O2A
16	B	1212	CLA	CAA-CBA-CGA-O2A
16	a	1108	CLA	CAA-CBA-CGA-O2A
16	H	1108	CLA	CAA-CBA-CGA-O2A
16	n	517	CLA	CAA-CBA-CGA-O1A
16	o	505	CLA	CAA-CBA-CGA-O1A
16	r	507	CLA	CAA-CBA-CGA-O1A
16	t	508	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
16	B	1220	CLA	CAA-CBA-CGA-O2A
16	Z	509	CLA	CAA-CBA-CGA-O2A
16	g	511	CLA	CAA-CBA-CGA-O2A
16	b	1220	CLA	CAA-CBA-CGA-O2A
16	G	1220	CLA	CAA-CBA-CGA-O2A
16	u	514	CLA	CAA-CBA-CGA-O2A
16	w	507	CLA	CAA-CBA-CGA-O2A
16	L	1503	CLA	C16-C17-C18-C19
16	n	510	CLA	C5-C6-C7-C8
16	b	1212	CLA	CAA-CBA-CGA-O2A
16	G	1212	CLA	CAA-CBA-CGA-O2A
16	B	1235	CLA	CAA-CBA-CGA-O1A
16	Y	517	CLA	CAA-CBA-CGA-O1A
16	b	1235	CLA	CAA-CBA-CGA-O1A
16	n	510	CLA	CAA-CBA-CGA-O1A
16	s	513	CLA	CAA-CBA-CGA-O1A
16	w	509	CLA	CAA-CBA-CGA-O1A
16	A	1127	CLA	CAA-CBA-CGA-O2A
16	Y	507	CLA	CAA-CBA-CGA-O2A
16	p	508	CLA	CAA-CBA-CGA-O2A
16	H	1127	CLA	CAA-CBA-CGA-O2A
16	u	510	CLA	CAA-CBA-CGA-O2A
16	A	1108	CLA	CAA-CBA-CGA-O1A
16	a	1108	CLA	CAA-CBA-CGA-O1A
16	H	1108	CLA	CAA-CBA-CGA-O1A
16	Y	507	CLA	CAA-CBA-CGA-O1A
16	n	511	CLA	CAA-CBA-CGA-O1A
16	G	1235	CLA	CAA-CBA-CGA-O1A
16	g	509	CLA	C10-C11-C12-C13
16	G	1201	CLA	C5-C6-C7-C8
16	A	1237	CLA	CAA-CBA-CGA-O2A
16	B	1202	CLA	CAA-CBA-CGA-O2A
16	X	514	CLA	CAA-CBA-CGA-O2A
16	Z	507	CLA	CAA-CBA-CGA-O2A
16	a	1237	CLA	CAA-CBA-CGA-O2A
16	b	1202	CLA	CAA-CBA-CGA-O2A
16	p	507	CLA	CAA-CBA-CGA-O2A
16	H	1237	CLA	CAA-CBA-CGA-O2A
16	G	1202	CLA	CAA-CBA-CGA-O2A
16	s	503	CLA	CAA-CBA-CGA-O2A
16	W	517	CLA	CAA-CBA-CGA-O1A
16	y	517	CLA	CAA-CBA-CGA-O1A

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Mol	Chain	Res	Type	Atoms
16	h	517	CLA	CAA-CBA-CGA-O1A
16	u	510	CLA	CAA-CBA-CGA-O1A
16	v	502	CLA	CAA-CBA-CGA-O1A
16	b	1201	CLA	C5-C6-C7-C8
16	B	1201	CLA	C5-C6-C7-C8

There are no ring outliers.

607 monomers are involved in 1204 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
19	a	4007	BCR	3	0
14	H	4201	LMG	2	0
16	A	1123	CLA	1	0
16	B	1211	CLA	3	0
19	w	603	BCR	3	0
16	b	1012	CLA	3	0
16	A	1237	CLA	3	0
16	t	509	CLA	2	0
19	I	4020	BCR	3	0
19	J	4012	BCR	1	0
16	B	1012	CLA	3	0
16	U	1503	CLA	4	0
19	h	603	BCR	1	0
16	H	1128	CLA	3	0
16	a	1237	CLA	3	0
16	Y	506	CLA	3	0
16	q	511	CLA	2	0
16	t	504	CLA	1	0
16	L	1502	CLA	5	0
16	B	1206	CLA	2	0
19	G	4009	BCR	2	0
16	H	1112	CLA	1	0
16	w	513	CLA	2	0
16	B	1232	CLA	2	0
19	y	604	BCR	6	0
16	o	509	CLA	2	0
16	W	516	CLA	1	0
13	A	849	LHG	1	0
16	x	513	CLA	2	0
16	A	1013	CLA	4	0
19	L	4019	BCR	4	0
19	A	4007	BCR	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
16	p	510	CLA	5	0
16	A	1132	CLA	3	0
16	w	515	CLA	2	0
16	w	505	CLA	2	0
16	q	503	CLA	1	0
16	b	1224	CLA	2	0
16	y	516	CLA	2	0
19	A	4001	BCR	2	0
16	A	1111	CLA	2	0
16	b	1211	CLA	3	0
16	B	1210	CLA	6	0
19	j	4013	BCR	1	0
16	u	511	CLA	4	0
19	H	4001	BCR	2	0
16	G	1240	CLA	2	0
16	G	1239	CLA	3	0
16	a	1133	CLA	1	0
16	B	1224	CLA	3	0
16	G	1206	CLA	3	0
16	t	516	CLA	2	0
19	J	4013	BCR	1	0
16	H	1139	CLA	1	0
16	y	513	CLA	2	0
16	l	1503	CLA	4	0
16	A	1117	CLA	2	0
16	b	1232	CLA	2	0
19	x	601	BCR	2	0
16	y	502	CLA	1	0
16	a	1104	CLA	5	0
19	W	601	BCR	3	0
16	b	1234	CLA	2	0
19	w	601	BCR	4	0
16	L	1501	CLA	3	0
19	H	4008	BCR	2	0
16	w	507	CLA	2	0
16	B	1228	CLA	3	0
16	W	514	CLA	1	0
16	Z	509	CLA	2	0
16	h	513	CLA	1	0
16	x	504	CLA	2	0
16	h	507	CLA	3	0
19	B	4009	BCR	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
19	A	4011	BCR	4	0
16	B	1214	CLA	2	0
16	n	511	CLA	5	0
16	p	511	CLA	2	0
16	r	516	CLA	1	0
16	A	1125	CLA	1	0
19	H	4003	BCR	1	0
16	t	503	CLA	1	0
16	A	1105	CLA	1	0
16	q	515	CLA	3	0
16	q	513	CLA	2	0
16	A	1134	CLA	2	0
16	y	515	CLA	2	0
16	H	1105	CLA	1	0
16	G	1235	CLA	4	0
16	v	515	CLA	2	0
16	Y	508	CLA	2	0
19	G	4014	BCR	1	0
16	H	1013	CLA	5	0
14	a	4201	LMG	2	0
16	G	1204	CLA	2	0
16	G	1228	CLA	3	0
19	t	601	BCR	5	0
16	a	1109	CLA	2	0
16	b	1228	CLA	3	0
16	H	1131	CLA	5	0
16	H	1132	CLA	3	0
16	b	1222	CLA	2	0
16	t	515	CLA	6	0
16	G	1214	CLA	2	0
16	o	517	CLA	1	0
16	b	1214	CLA	2	0
16	x	508	CLA	1	0
16	n	514	CLA	1	0
16	B	1217	CLA	1	0
16	A	1112	CLA	1	0
16	A	1124	CLA	2	0
16	h	503	CLA	1	0
16	a	1126	CLA	4	0
16	A	1122	CLA	2	0
16	r	508	CLA	3	0
19	Y	601	BCR	4	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
19	G	4004	BCR	1	0
19	A	4003	BCR	1	0
16	g	517	CLA	2	0
16	x	502	CLA	3	0
16	o	513	CLA	1	0
19	r	601	BCR	2	0
16	b	1202	CLA	2	0
16	Y	509	CLA	3	0
16	Z	512	CLA	1	0
16	B	1215	CLA	2	0
16	n	507	CLA	2	0
16	r	509	CLA	2	0
19	y	602	BCR	2	0
16	Y	504	CLA	2	0
19	l	4019	BCR	3	0
16	A	1126	CLA	4	0
16	t	507	CLA	3	0
16	n	509	CLA	4	0
16	r	502	CLA	2	0
16	a	1022	CLA	4	0
19	j	4015	BCR	5	0
16	n	504	CLA	1	0
16	G	1023	CLA	9	0
19	X	602	BCR	3	0
16	p	517	CLA	1	0
16	h	512	CLA	1	0
16	X	513	CLA	1	0
19	G	4005	BCR	4	0
19	H	4002	BCR	1	0
16	B	1023	CLA	9	0
19	G	4017	BCR	4	0
19	b	4005	BCR	3	0
16	b	1239	CLA	3	0
14	B	848	LMG	3	0
16	B	1222	CLA	1	0
16	b	1226	CLA	1	0
16	A	1121	CLA	2	0
16	Z	516	CLA	3	0
16	p	505	CLA	2	0
16	G	1211	CLA	3	0
16	U	1501	CLA	3	0
16	G	1220	CLA	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
16	H	1140	CLA	6	0
16	s	510	CLA	3	0
19	Y	603	BCR	1	0
16	G	1203	CLA	6	0
16	t	505	CLA	7	0
16	w	517	CLA	1	0
16	b	1225	CLA	6	0
16	t	512	CLA	1	0
19	U	4019	BCR	2	0
16	B	1225	CLA	6	0
16	B	1205	CLA	6	0
16	H	1113	CLA	1	0
16	s	509	CLA	4	0
19	S	4013	BCR	1	0
16	A	1127	CLA	5	0
16	a	1120	CLA	1	0
16	b	1236	CLA	3	0
16	a	1119	CLA	2	0
16	u	510	CLA	4	0
16	X	517	CLA	1	0
19	S	4012	BCR	2	0
19	I	4018	BCR	2	0
16	s	504	CLA	1	0
19	a	4001	BCR	2	0
16	n	502	CLA	2	0
16	h	502	CLA	3	0
16	A	1107	CLA	2	0
16	Y	515	CLA	3	0
16	y	511	CLA	2	0
16	h	504	CLA	2	0
16	A	1103	CLA	4	0
16	X	505	CLA	3	0
16	a	1107	CLA	2	0
16	u	509	CLA	3	0
16	H	1137	CLA	1	0
16	X	506	CLA	3	0
16	X	510	CLA	3	0
16	v	513	CLA	2	0
16	y	512	CLA	2	0
16	Z	506	CLA	2	0
16	v	502	CLA	3	0
16	G	1225	CLA	6	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
16	u	508	CLA	1	0
16	B	1226	CLA	2	0
16	H	1102	CLA	1	0
16	u	505	CLA	3	0
16	H	1122	CLA	1	0
16	a	1132	CLA	3	0
19	F	4016	BCR	3	0
19	p	603	BCR	3	0
16	B	1227	CLA	2	0
19	h	601	BCR	1	0
16	G	1215	CLA	3	0
16	B	1213	CLA	1	0
16	F	1301	CLA	2	0
16	r	515	CLA	4	0
16	s	516	CLA	3	0
16	b	1238	CLA	5	0
16	w	511	CLA	2	0
16	n	515	CLA	7	0
16	W	512	CLA	1	0
16	b	1218	CLA	1	0
19	v	601	BCR	1	0
16	n	516	CLA	1	0
16	A	1116	CLA	3	0
16	B	1202	CLA	2	0
16	n	513	CLA	1	0
16	A	1106	CLA	3	0
16	t	517	CLA	1	0
16	A	1137	CLA	1	0
16	H	1138	CLA	4	0
13	H	849	LHG	1	0
16	o	508	CLA	1	0
16	G	1021	CLA	5	0
16	a	1140	CLA	3	0
16	x	516	CLA	1	0
19	q	603	BCR	5	0
19	s	604	BCR	1	0
19	j	4012	BCR	2	0
19	K	1501	BCR	2	0
16	G	1227	CLA	2	0
19	T	1501	BCR	2	0
16	W	508	CLA	2	0
16	G	1213	CLA	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
19	H	4007	BCR	1	0
19	s	603	BCR	2	0
16	b	1023	CLA	8	0
16	H	1111	CLA	2	0
16	b	1203	CLA	5	0
19	x	602	BCR	2	0
16	t	511	CLA	4	0
14	b	848	LMG	2	0
16	W	513	CLA	1	0
16	g	512	CLA	1	0
16	A	1022	CLA	3	0
16	u	504	CLA	3	0
16	A	1108	CLA	1	0
16	Y	507	CLA	4	0
16	o	504	CLA	2	0
16	H	1107	CLA	1	0
16	B	1234	CLA	2	0
16	G	1216	CLA	3	0
19	G	4010	BCR	2	0
19	u	603	BCR	1	0
16	Q	1301	CLA	2	0
16	X	509	CLA	1	0
14	A	4101	LMG	1	0
16	r	506	CLA	1	0
16	o	511	CLA	4	0
16	v	516	CLA	2	0
16	h	515	CLA	1	0
16	n	508	CLA	2	0
18	c	102	SF4	1	0
14	H	4101	LMG	2	0
16	A	1133	CLA	1	0
16	a	1101	CLA	5	0
15	a	1011	CL0	3	0
16	g	508	CLA	2	0
16	v	511	CLA	1	0
16	A	1136	CLA	3	0
16	B	1204	CLA	3	0
16	A	1131	CLA	4	0
16	A	1138	CLA	4	0
16	o	505	CLA	4	0
16	x	506	CLA	1	0
19	m	4021	BCR	3	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
19	G	4006	BCR	3	0
19	a	4011	BCR	4	0
14	a	852	LMG	2	0
16	b	1021	CLA	6	0
16	v	505	CLA	1	0
16	Z	505	CLA	1	0
16	a	1139	CLA	1	0
16	Z	514	CLA	1	0
16	l	1502	CLA	3	0
19	k	1501	BCR	2	0
16	H	1116	CLA	4	0
16	h	509	CLA	2	0
16	G	1230	CLA	4	0
16	a	1137	CLA	1	0
19	s	601	BCR	1	0
16	q	517	CLA	1	0
16	s	507	CLA	4	0
16	b	1204	CLA	2	0
16	L	1503	CLA	2	0
16	y	506	CLA	5	0
16	B	1216	CLA	3	0
16	A	1113	CLA	1	0
16	u	507	CLA	5	0
19	B	4005	BCR	2	0
16	p	516	CLA	3	0
16	G	1231	CLA	1	0
16	B	1239	CLA	3	0
14	a	4101	LMG	2	0
16	W	506	CLA	3	0
19	B	4006	BCR	5	0
16	h	516	CLA	2	0
16	A	1109	CLA	2	0
16	o	516	CLA	1	0
19	Z	601	BCR	5	0
19	r	602	BCR	3	0
16	b	1216	CLA	3	0
13	a	849	LHG	1	0
16	Z	511	CLA	1	0
16	h	506	CLA	5	0
16	w	510	CLA	2	0
16	A	1104	CLA	5	0
16	u	512	CLA	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
16	b	1213	CLA	1	0
16	x	510	CLA	1	0
16	X	516	CLA	1	0
19	X	601	BCR	2	0
16	a	1127	CLA	5	0
14	Y	701	LMG	1	0
16	B	1236	CLA	2	0
16	W	510	CLA	2	0
16	a	1111	CLA	3	0
16	v	506	CLA	4	0
16	H	1136	CLA	4	0
16	a	1106	CLA	3	0
16	q	505	CLA	2	0
16	G	1221	CLA	6	0
19	b	4017	BCR	4	0
16	G	1229	CLA	2	0
16	v	504	CLA	1	0
16	q	510	CLA	2	0
16	y	510	CLA	4	0
16	H	1121	CLA	1	0
16	u	503	CLA	3	0
16	t	514	CLA	1	0
16	W	509	CLA	6	0
16	p	508	CLA	1	0
19	a	4008	BCR	2	0
19	b	4006	BCR	5	0
19	w	602	BCR	2	0
16	B	1235	CLA	3	0
16	n	512	CLA	1	0
16	H	1108	CLA	2	0
16	H	1130	CLA	5	0
19	B	4017	BCR	4	0
16	q	509	CLA	2	0
17	G	2002	PQN	5	0
16	g	502	CLA	2	0
16	y	509	CLA	3	0
16	H	1101	CLA	5	0
16	H	1022	CLA	4	0
19	n	603	BCR	2	0
16	v	512	CLA	2	0
16	g	510	CLA	1	0
16	A	1130	CLA	3	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
19	a	4002	BCR	1	0
16	X	508	CLA	1	0
16	o	515	CLA	2	0
19	h	602	BCR	2	0
16	a	1125	CLA	1	0
19	s	602	BCR	2	0
16	g	509	CLA	1	0
16	G	1238	CLA	6	0
16	s	502	CLA	3	0
16	G	1232	CLA	1	0
16	a	1116	CLA	4	0
16	H	1103	CLA	4	0
19	u	601	BCR	5	0
16	g	504	CLA	2	0
16	X	515	CLA	2	0
16	B	1238	CLA	4	0
16	Z	507	CLA	2	0
16	a	1105	CLA	1	0
16	r	512	CLA	1	0
16	r	511	CLA	2	0
16	g	505	CLA	1	0
16	X	504	CLA	3	0
19	y	603	BCR	1	0
19	o	603	BCR	3	0
16	n	505	CLA	3	0
16	l	1501	CLA	2	0
18	C	102	SF4	1	0
17	b	2002	PQN	4	0
16	W	505	CLA	2	0
14	A	4201	LMG	2	0
16	x	511	CLA	2	0
16	a	1117	CLA	3	0
17	B	2002	PQN	5	0
19	g	603	BCR	4	0
16	H	1134	CLA	1	0
16	H	1104	CLA	4	0
16	a	1013	CLA	3	0
16	u	502	CLA	1	0
16	H	1126	CLA	4	0
16	g	503	CLA	1	0
16	B	1220	CLA	2	0
16	B	1203	CLA	4	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
16	h	510	CLA	2	0
13	R	103	LHG	1	0
19	B	4004	BCR	1	0
16	a	1136	CLA	3	0
16	s	511	CLA	6	0
19	L	4022	BCR	7	0
16	G	1012	CLA	3	0
16	G	1219	CLA	1	0
16	g	516	CLA	1	0
16	G	1207	CLA	4	0
14	A	852	LMG	1	0
16	u	516	CLA	2	0
19	i	4018	BCR	3	0
16	a	1121	CLA	1	0
16	p	502	CLA	1	0
16	W	515	CLA	8	0
16	a	1128	CLA	4	0
16	p	515	CLA	2	0
16	b	1221	CLA	4	0
19	X	603	BCR	1	0
16	A	1140	CLA	4	0
16	G	1236	CLA	2	0
16	v	503	CLA	1	0
19	R	4020	BCR	4	0
15	H	1011	CL0	3	0
16	q	516	CLA	3	0
16	G	1222	CLA	2	0
16	w	502	CLA	1	0
19	u	604	BCR	1	0
16	a	1130	CLA	4	0
19	Q	4016	BCR	3	0
16	H	1119	CLA	1	0
16	g	506	CLA	4	0
16	x	507	CLA	4	0
19	f	4016	BCR	4	0
19	A	4008	BCR	3	0
16	g	515	CLA	3	0
14	H	852	LMG	1	0
16	x	509	CLA	1	0
16	p	509	CLA	3	0
16	W	507	CLA	3	0
16	a	1103	CLA	4	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
16	X	502	CLA	3	0
19	a	4003	BCR	1	0
16	p	504	CLA	2	0
16	A	1135	CLA	1	0
16	o	503	CLA	3	0
16	X	511	CLA	3	0
16	q	507	CLA	1	0
16	Z	508	CLA	2	0
16	U	1502	CLA	4	0
16	y	507	CLA	3	0
16	r	517	CLA	1	0
16	o	507	CLA	3	0
16	w	508	CLA	2	0
16	b	1207	CLA	5	0
15	A	1011	CL0	4	0
19	U	4022	BCR	8	0
16	Y	510	CLA	3	0
16	u	515	CLA	1	0
16	b	1230	CLA	5	0
16	B	1021	CLA	5	0
16	b	1227	CLA	2	0
19	v	603	BCR	1	0
16	h	508	CLA	2	0
19	o	602	BCR	1	0
16	b	1210	CLA	6	0
19	M	4021	BCR	3	0
19	Z	602	BCR	2	0
19	q	601	BCR	5	0
16	A	1120	CLA	1	0
16	a	1124	CLA	2	0
16	b	1219	CLA	1	0
16	X	503	CLA	3	0
19	Y	602	BCR	1	0
16	g	507	CLA	4	0
18	N	102	SF4	1	0
19	o	601	BCR	4	0
19	o	604	BCR	1	0
19	x	603	BCR	3	0
16	y	508	CLA	2	0
16	o	510	CLA	3	0
16	A	1119	CLA	2	0
16	v	508	CLA	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
16	f	1301	CLA	2	0
16	Y	516	CLA	2	0
16	h	511	CLA	1	0
19	b	4010	BCR	2	0
16	B	1219	CLA	1	0
16	r	510	CLA	1	0
19	B	4010	BCR	2	0
16	x	517	CLA	1	0
16	p	506	CLA	1	0
19	g	601	BCR	2	0
16	b	1229	CLA	2	0
16	G	1205	CLA	6	0
16	x	515	CLA	10	0
16	a	1131	CLA	4	0
16	t	502	CLA	2	0
16	A	1101	CLA	4	0
16	W	502	CLA	1	0
19	b	4009	BCR	4	0
16	a	1122	CLA	1	0
16	H	1127	CLA	5	0
16	s	517	CLA	1	0
16	b	1240	CLA	2	0
16	q	508	CLA	2	0
16	w	506	CLA	1	0
16	A	1102	CLA	1	0
16	H	1106	CLA	4	0
16	Z	502	CLA	1	0
16	B	1223	CLA	1	0
16	b	1215	CLA	2	0
16	G	1202	CLA	2	0
19	J	4015	BCR	4	0
16	Y	505	CLA	2	0
16	Z	510	CLA	1	0
16	B	1240	CLA	2	0
16	H	1237	CLA	3	0
16	v	507	CLA	4	0
19	b	4014	BCR	1	0
16	b	1235	CLA	2	0
16	b	1217	CLA	1	0
19	n	601	BCR	2	0
19	p	601	BCR	2	0
16	a	1123	CLA	2	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
19	g	602	BCR	3	0
19	l	4022	BCR	4	0
16	b	1206	CLA	3	0
16	A	1402	CLA	1	0
16	X	514	CLA	1	0
16	p	507	CLA	2	0
16	a	1113	CLA	1	0
16	Y	511	CLA	7	0
19	p	602	BCR	2	0
16	u	506	CLA	5	0
16	Z	503	CLA	1	0
19	H	4011	BCR	4	0
19	v	604	BCR	2	0
19	i	4020	BCR	5	0
16	G	1223	CLA	1	0
16	w	509	CLA	3	0
16	Z	515	CLA	2	0
16	Z	513	CLA	2	0
16	b	1205	CLA	5	0
16	W	504	CLA	1	0
16	h	517	CLA	2	0
16	w	504	CLA	1	0
16	b	1231	CLA	1	0
16	Y	512	CLA	2	0
16	W	511	CLA	3	0
19	W	603	BCR	3	0
16	B	1209	CLA	1	0
16	a	1108	CLA	1	0
16	t	510	CLA	7	0
16	H	1133	CLA	1	0
16	y	504	CLA	3	0
19	S	4015	BCR	5	0
16	s	505	CLA	1	0
16	q	502	CLA	1	0
19	r	603	BCR	3	0
16	A	1128	CLA	3	0
16	y	517	CLA	2	0
19	v	602	BCR	2	0
16	v	517	CLA	2	0
16	B	1230	CLA	7	0
16	w	503	CLA	1	0
19	B	4014	BCR	2	0

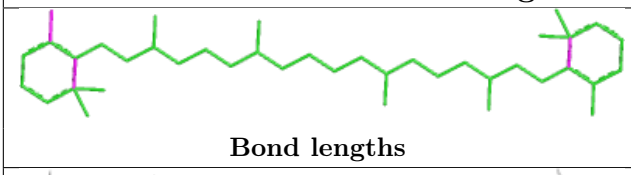
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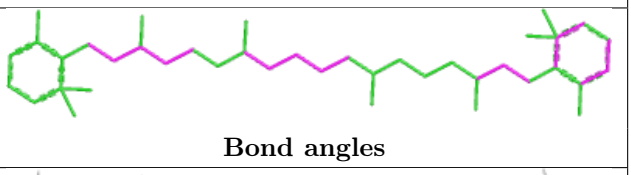
Mol	Chain	Res	Type	Clashes	Symm-Clashes
16	r	507	CLA	1	0
14	G	848	LMG	2	0
16	H	1124	CLA	2	0
16	t	506	CLA	1	0
17	a	2001	PQN	1	0
16	G	1226	CLA	1	0
16	H	1117	CLA	3	0
16	G	1234	CLA	2	0
16	b	1220	CLA	2	0
16	w	516	CLA	3	0
16	g	511	CLA	3	0
16	G	1209	CLA	1	0
16	B	1221	CLA	4	0
16	B	1229	CLA	2	0
16	n	510	CLA	3	0
16	b	1209	CLA	1	0
16	G	1210	CLA	5	0
16	G	1224	CLA	2	0
19	u	602	BCR	1	0
16	X	507	CLA	2	0
19	R	4018	BCR	3	0
16	H	1123	CLA	3	0
16	o	506	CLA	3	0
16	B	1207	CLA	5	0
16	a	1138	CLA	3	0
16	B	1231	CLA	1	0
16	v	509	CLA	1	0
19	Z	603	BCR	2	0
16	a	1134	CLA	1	0

The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less then 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.

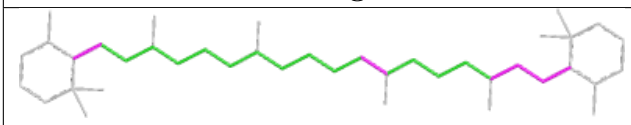
Ligand BCR a 4007



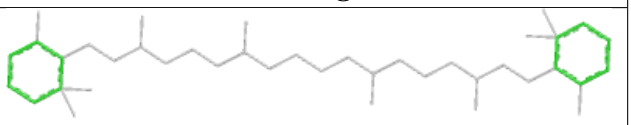
Bond lengths



Bond angles

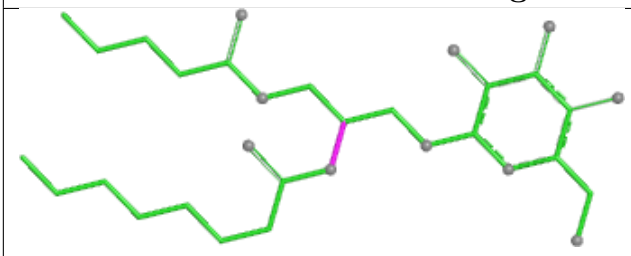


Torsions

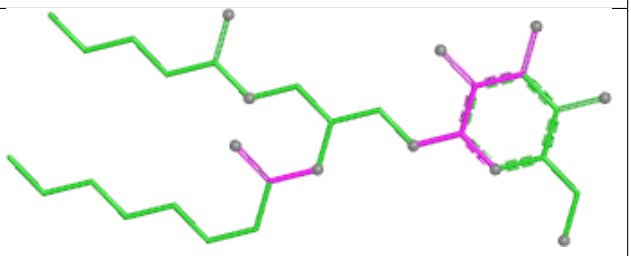


Rings

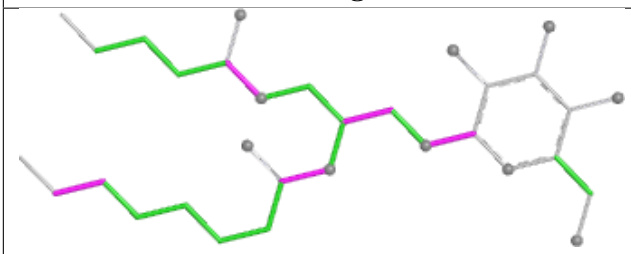
Ligand LMG H 4201



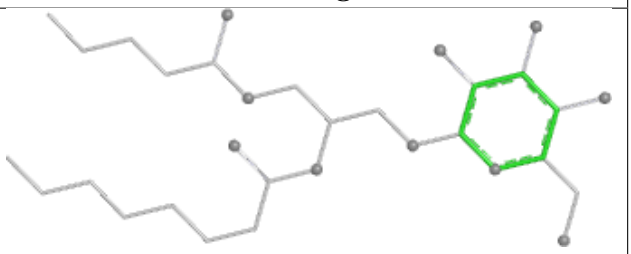
Bond lengths



Bond angles

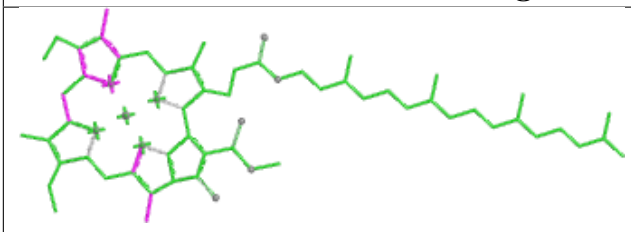


Torsions

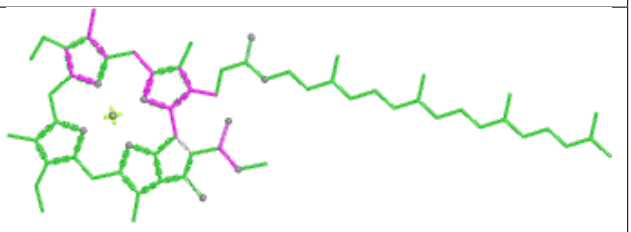


Rings

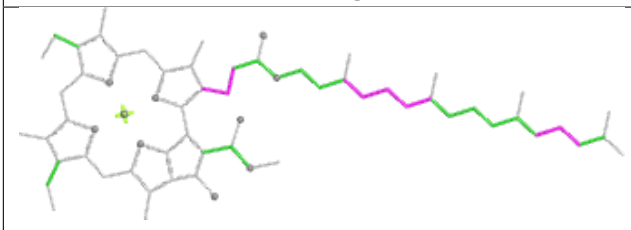
Ligand CLA A 1123



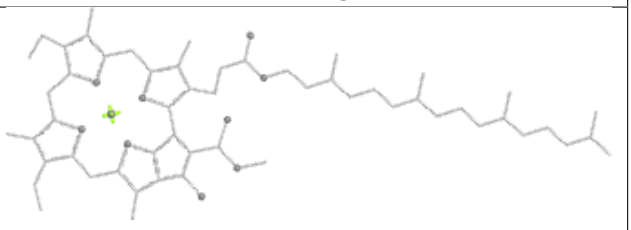
Bond lengths



Bond angles

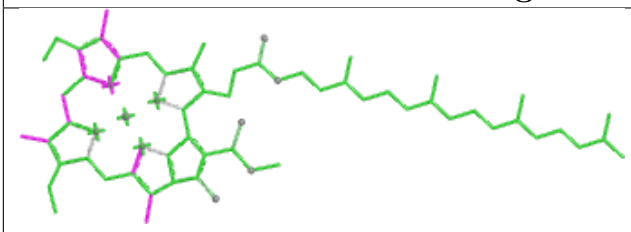


Torsions

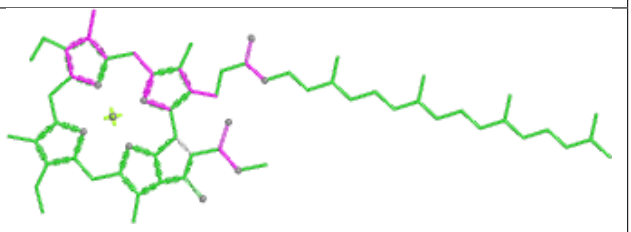


Rings

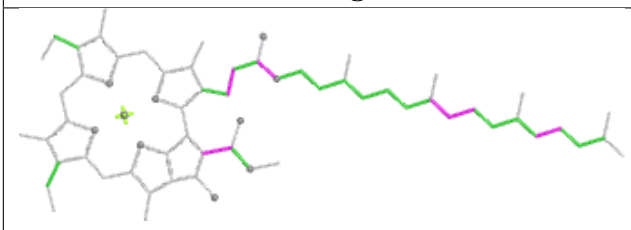
Ligand CLA B 1211



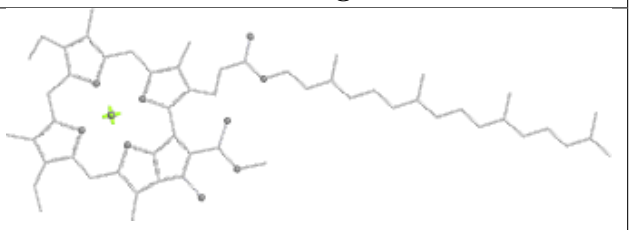
Bond lengths



Bond angles

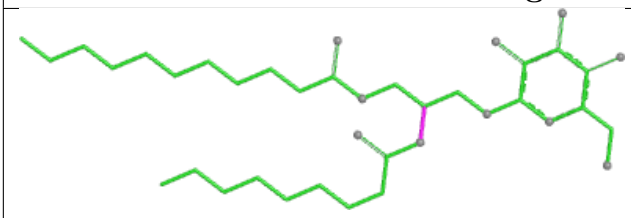


Torsions

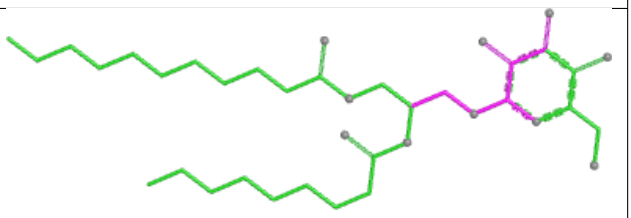


Rings

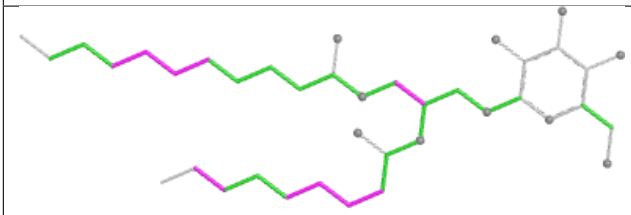
Ligand LMG s 701



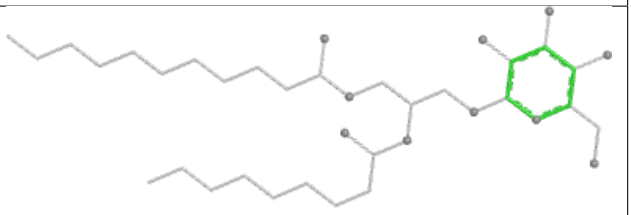
Bond lengths



Bond angles



Torsions

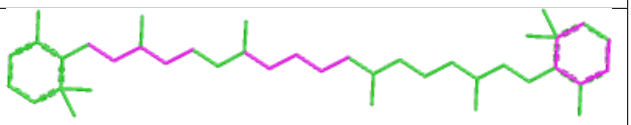


Rings

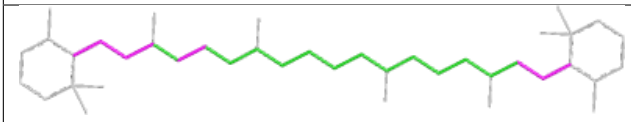
Ligand BCR w 603



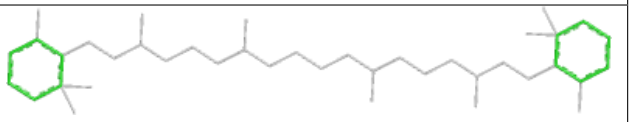
Bond lengths



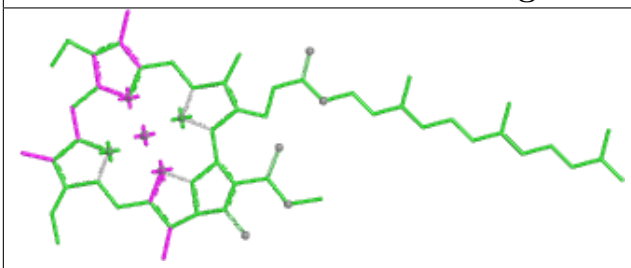
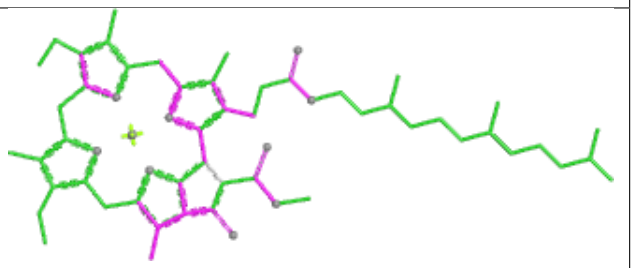
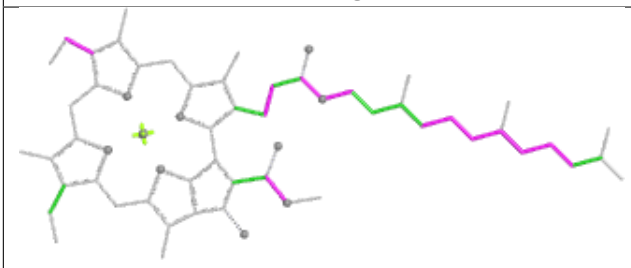
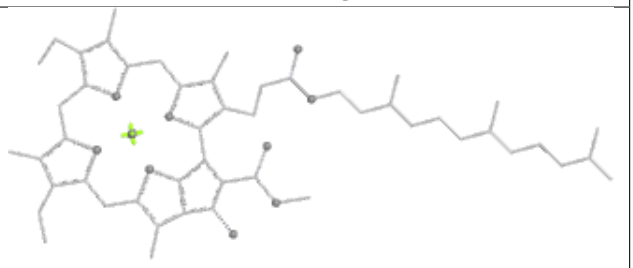
Bond angles

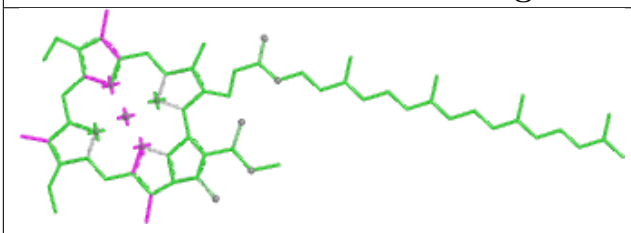
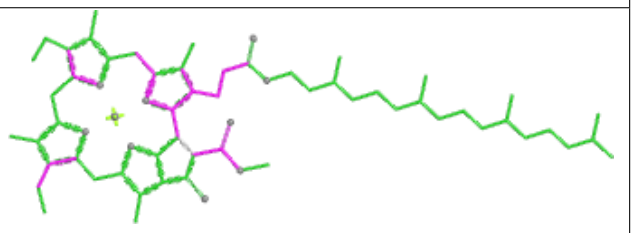
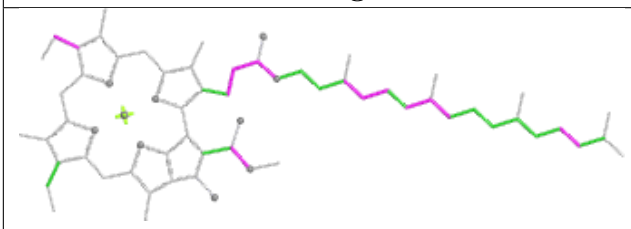
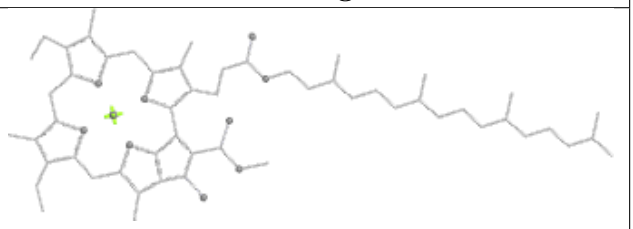


Torsions

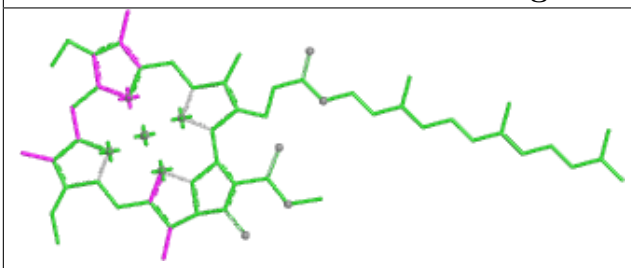


Rings

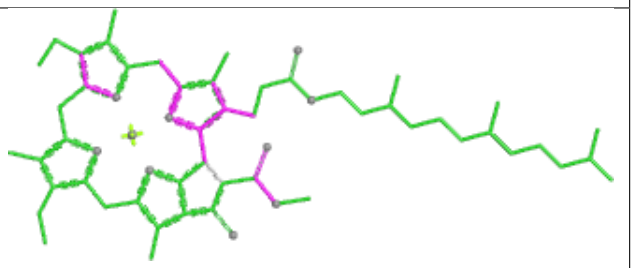
Ligand CLA b 1012	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA A 1237	
	
Bond lengths	Bond angles
	
Torsions	Rings

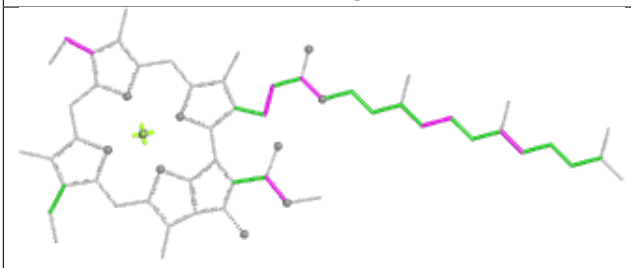
Ligand CLA t 509



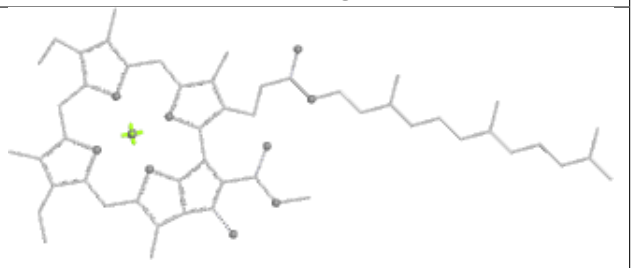
Bond lengths



Bond angles

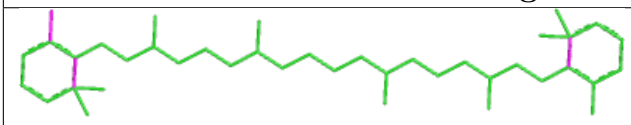


Torsions

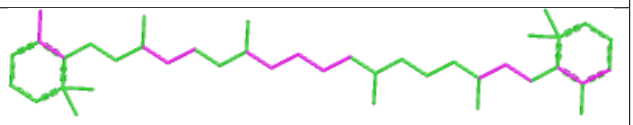


Rings

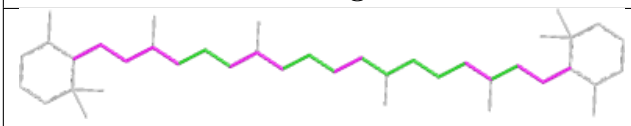
Ligand BCR I 4020



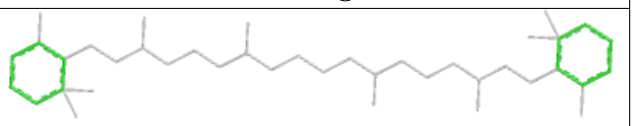
Bond lengths



Bond angles



Torsions

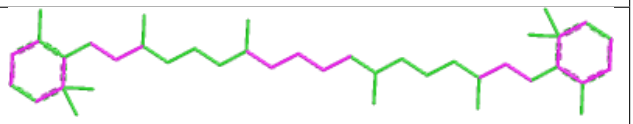


Rings

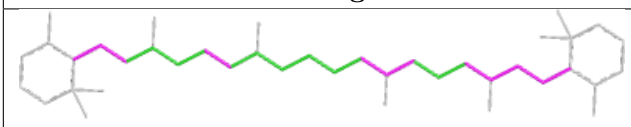
Ligand BCR J 4012



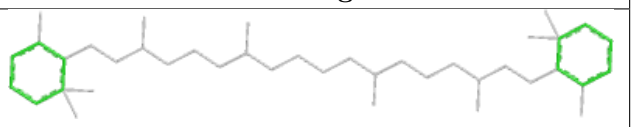
Bond lengths



Bond angles

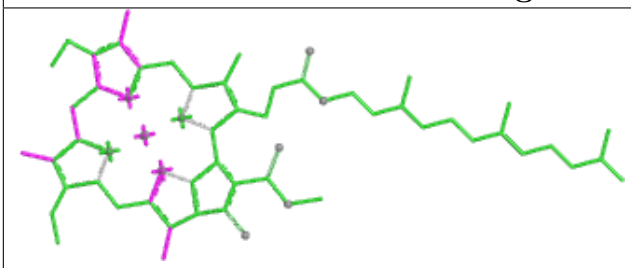


Torsions

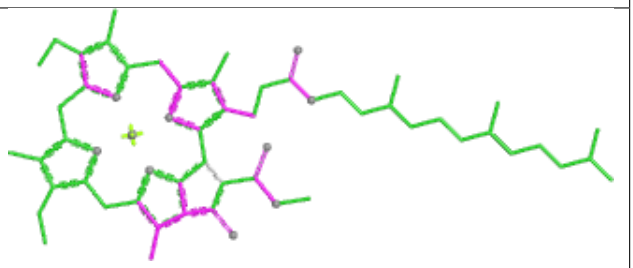


Rings

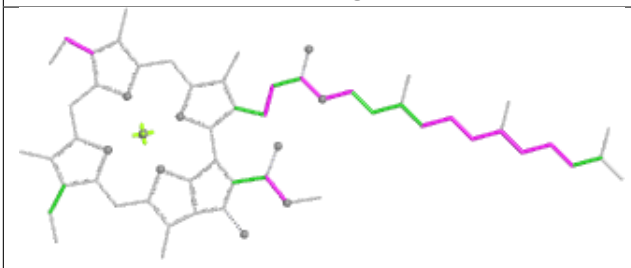
Ligand CLA B 1012



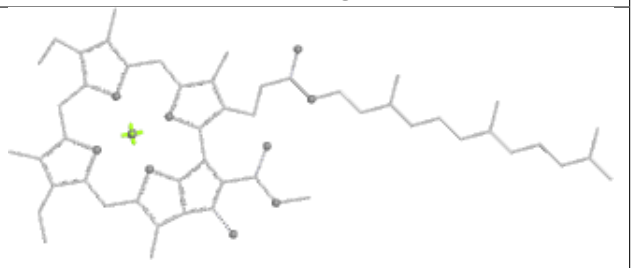
Bond lengths



Bond angles

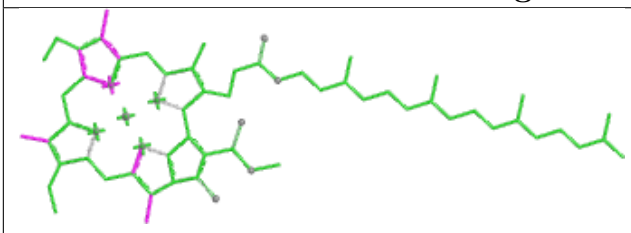


Torsions

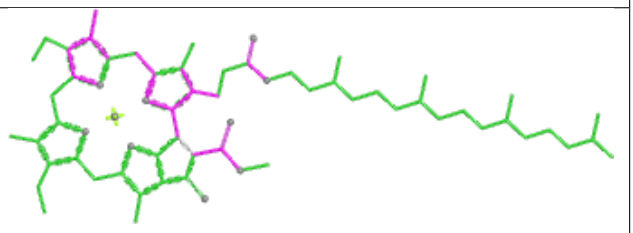


Rings

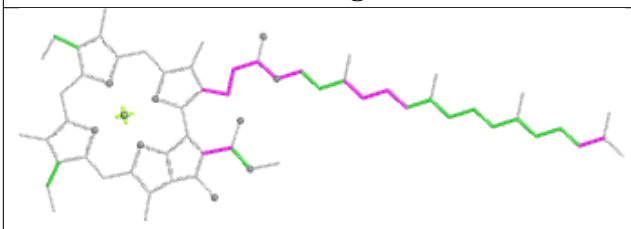
Ligand CLA U 1503



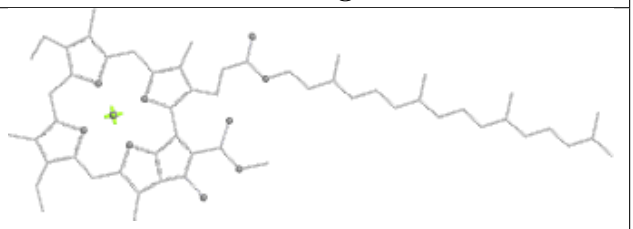
Bond lengths



Bond angles



Torsions

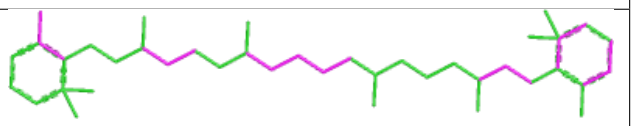


Rings

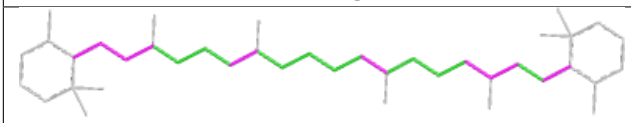
Ligand BCR h 603



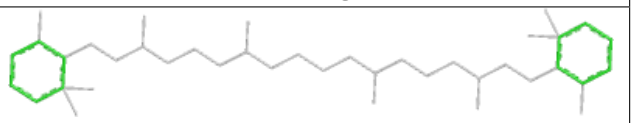
Bond lengths



Bond angles

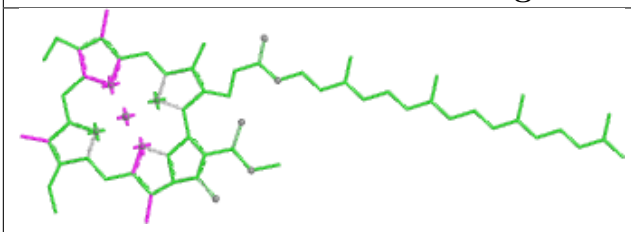


Torsions

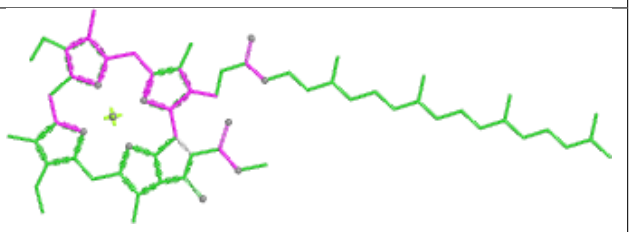


Rings

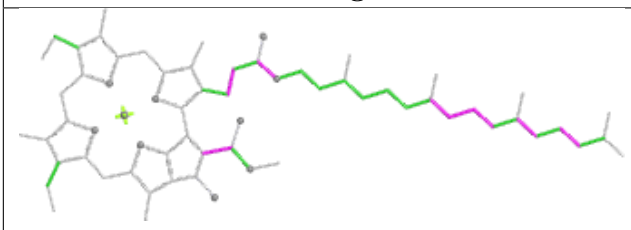
Ligand CLA H 1128



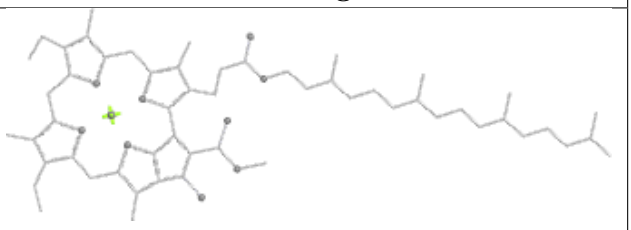
Bond lengths



Bond angles

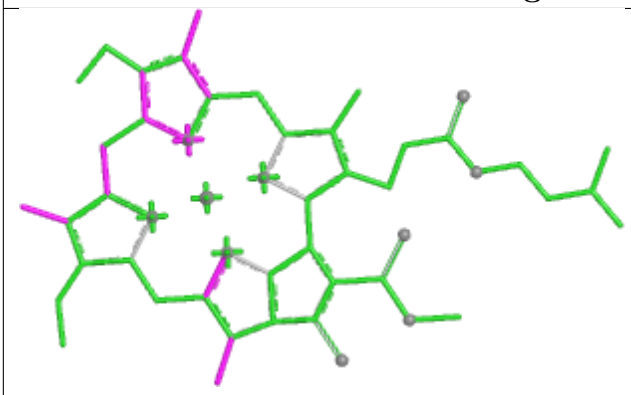


Torsions

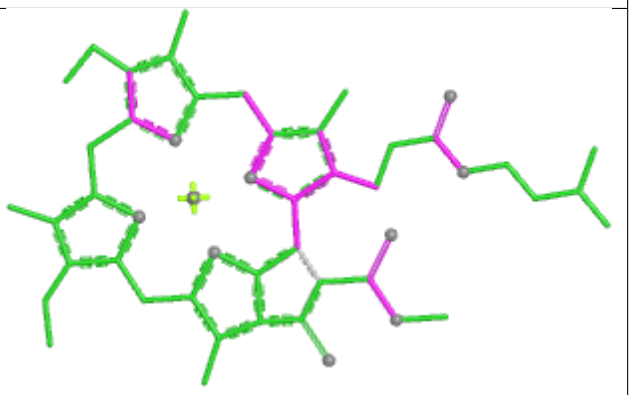


Rings

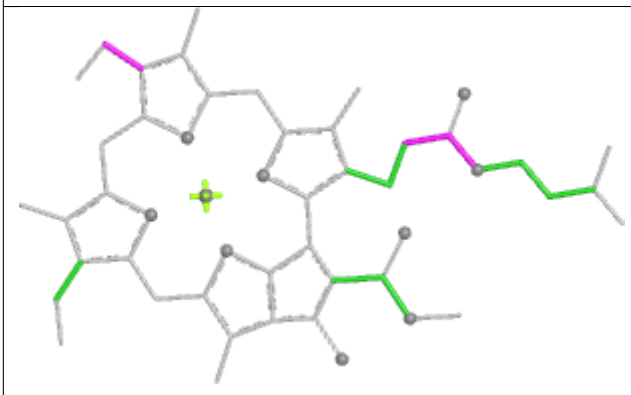
Ligand CLA Y 513



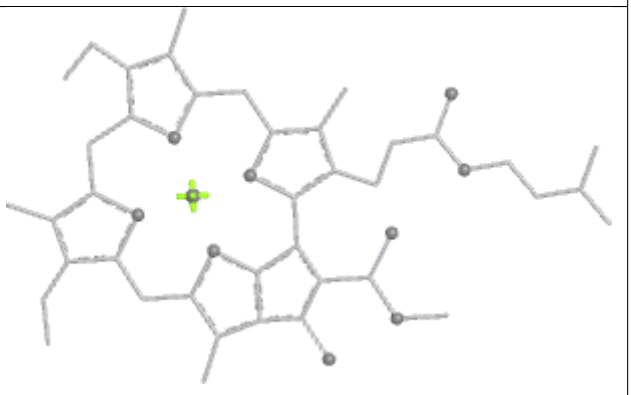
Bond lengths



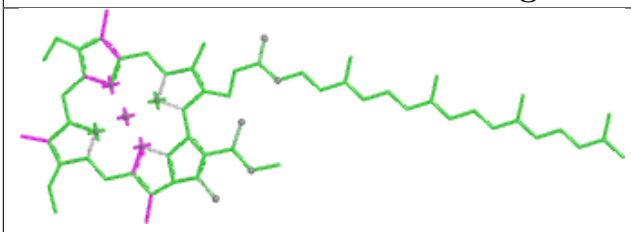
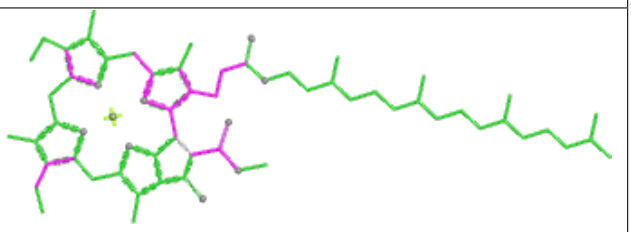
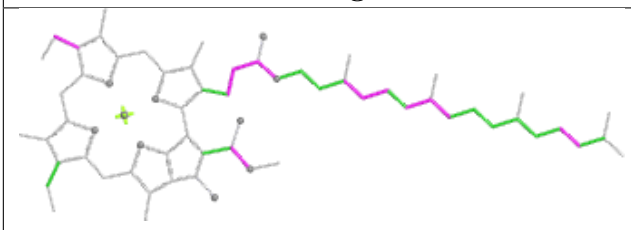
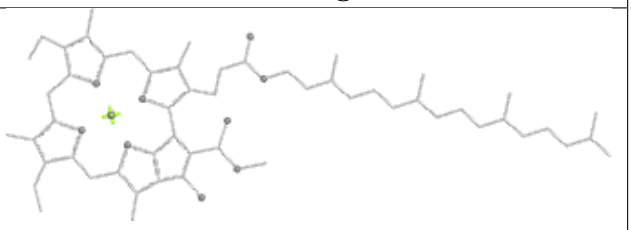
Bond angles

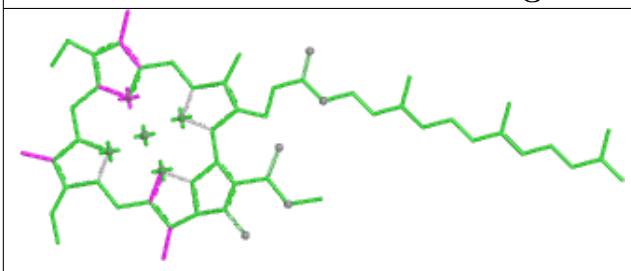
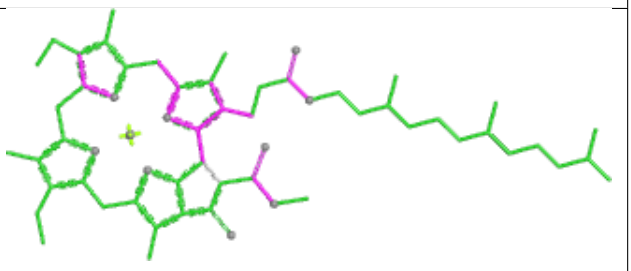
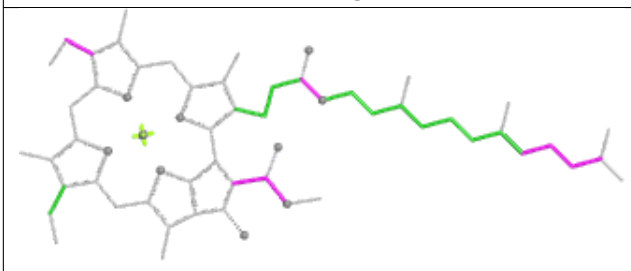
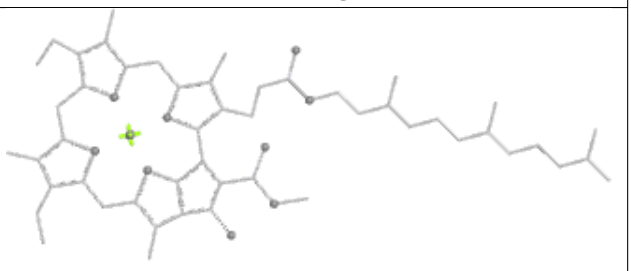


Torsions

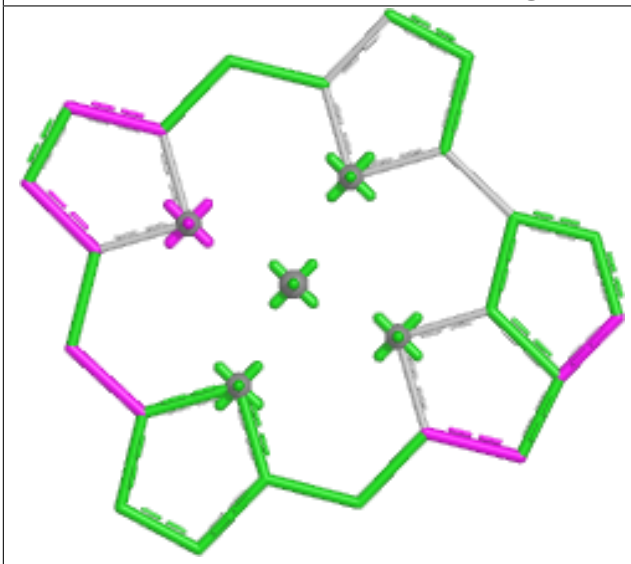


Rings

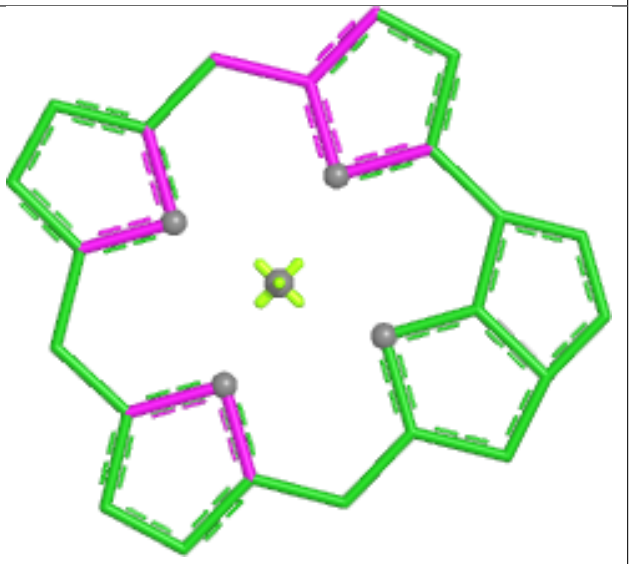
Ligand CLA a 1237	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA Y 506	
 Bond lengths	 Bond angles
 Torsions	 Rings

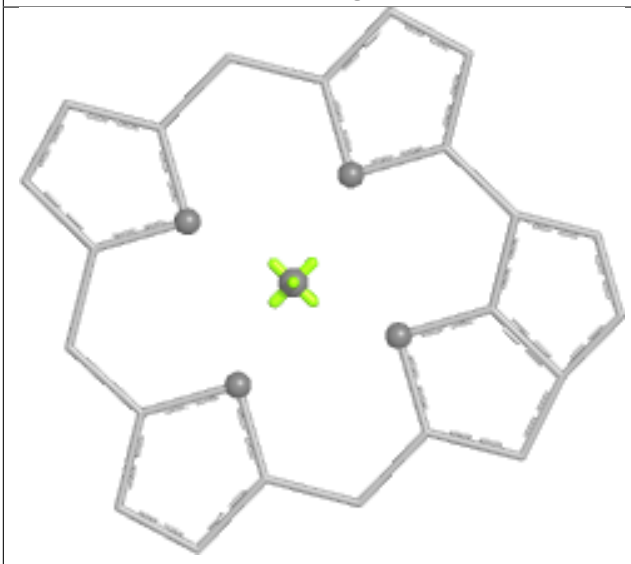
Ligand CLA f 1302



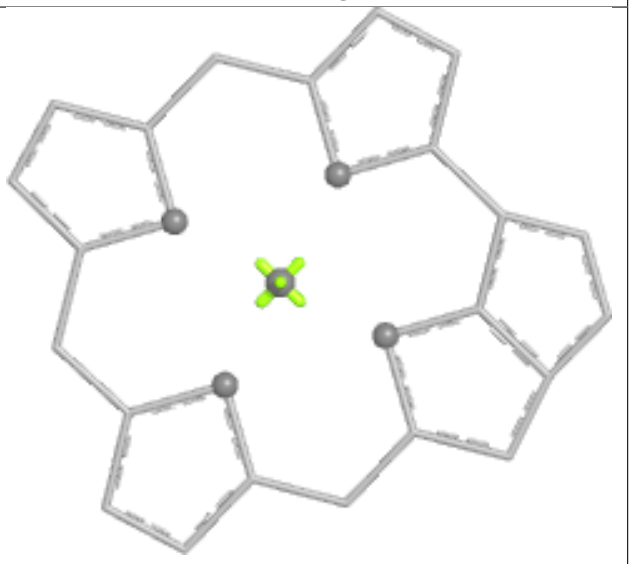
Bond lengths



Bond angles

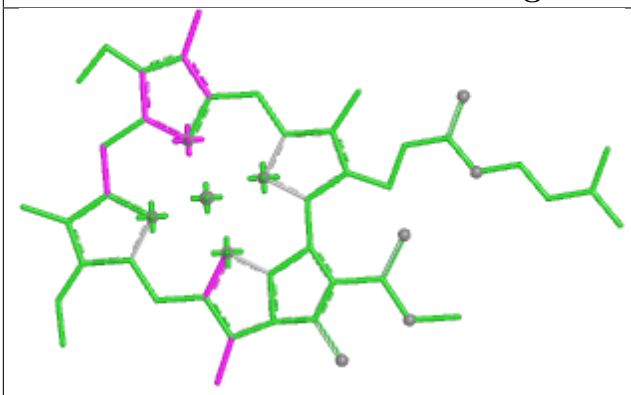


Torsions

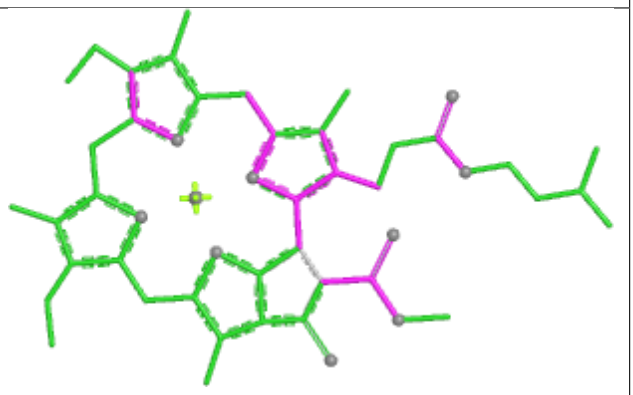


Rings

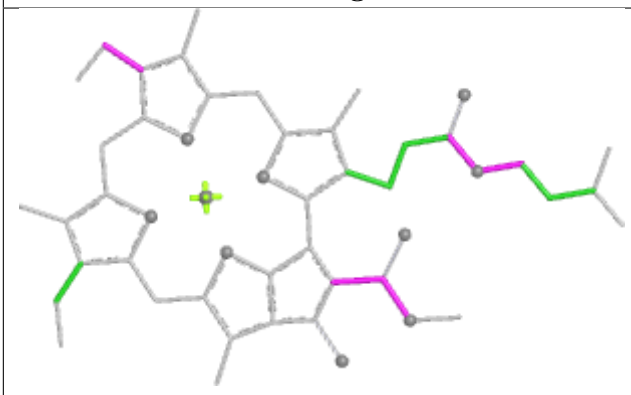
Ligand CLA X 501



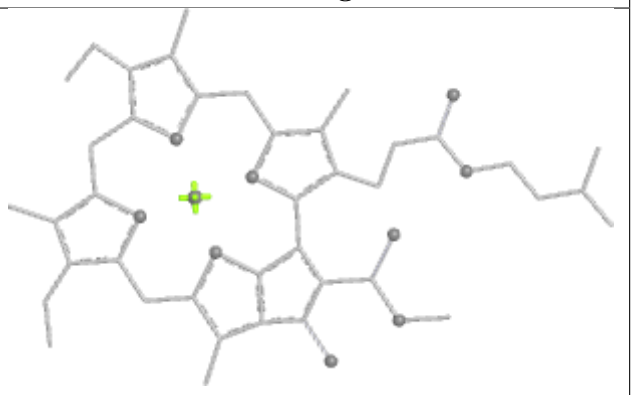
Bond lengths



Bond angles

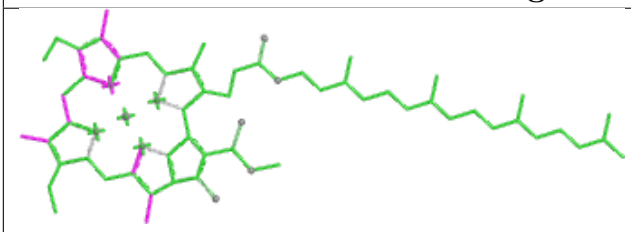


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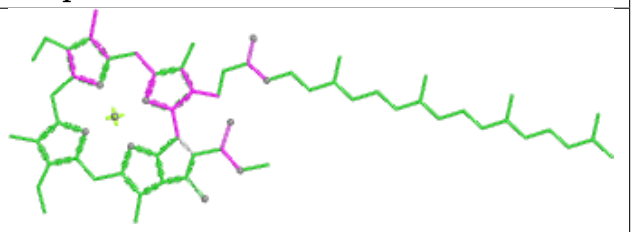


Rings

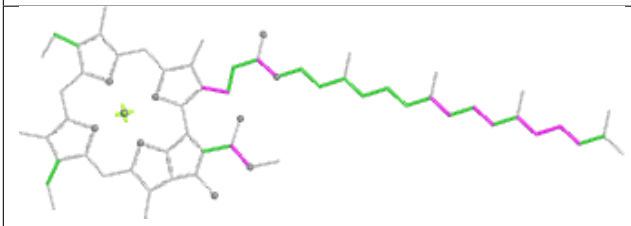
Ligand CLA q 511



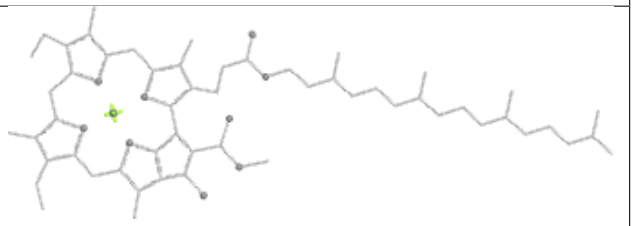
Bond lengths



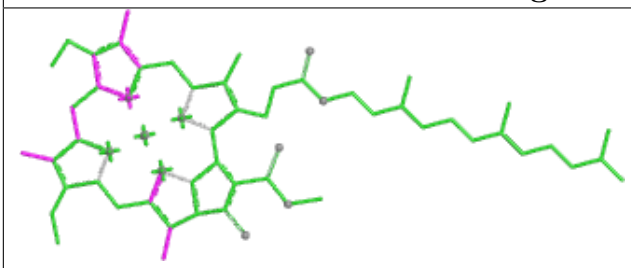
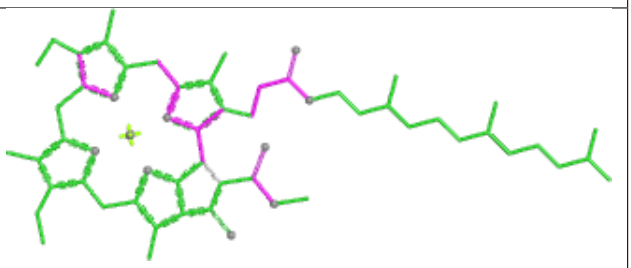
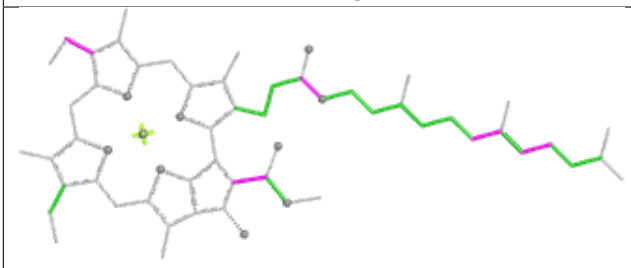
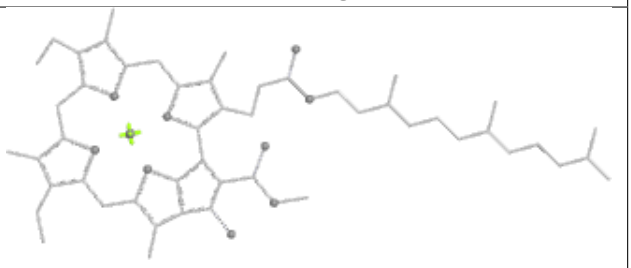
Bond angles

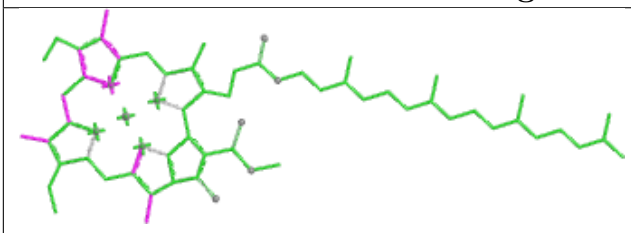
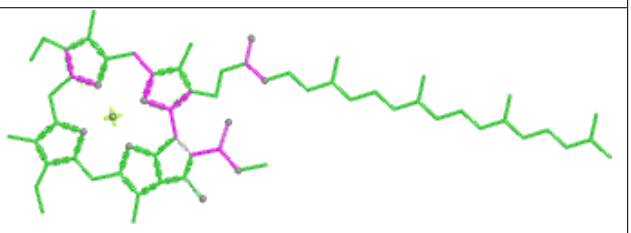
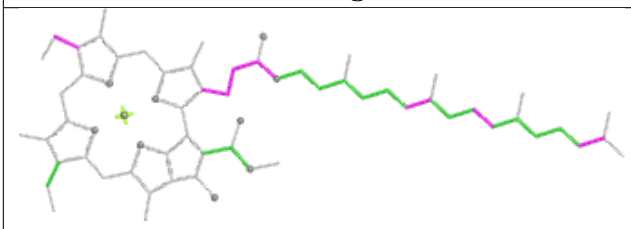
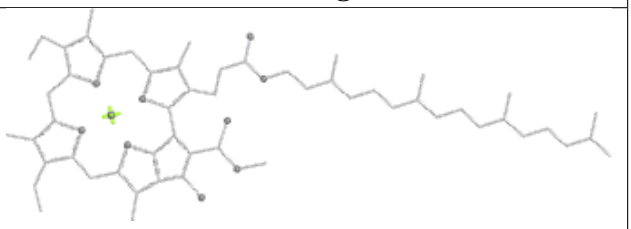


Torsions

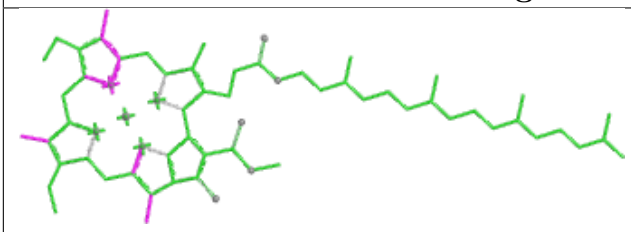


Rings

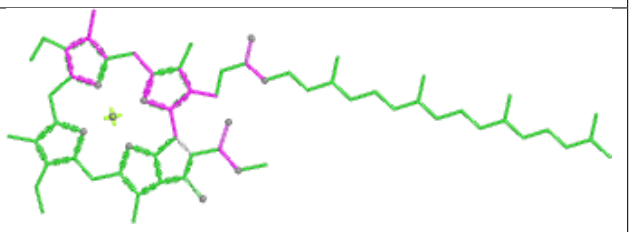
Ligand CLA t 504	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA L 1502	
 Bond lengths	 Bond angles
 Torsions	 Rings

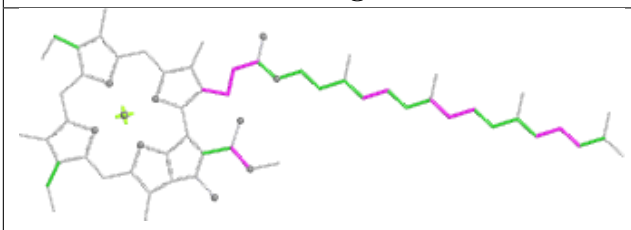
Ligand CLA B 1206



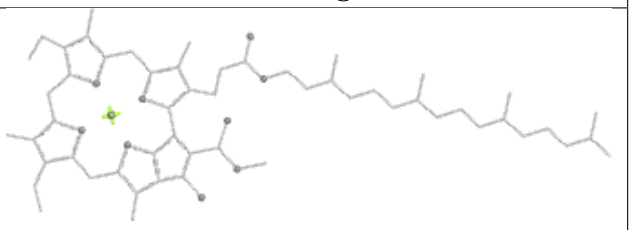
Bond lengths



Bond angles



Torsions

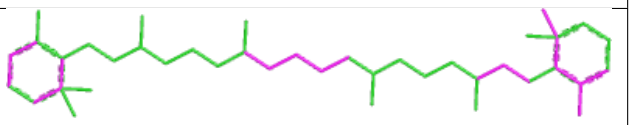


Rings

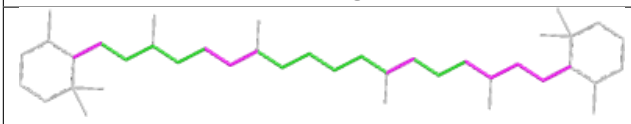
Ligand BCR G 4009



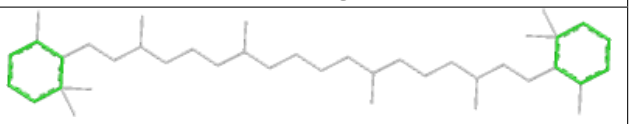
Bond lengths



Bond angles

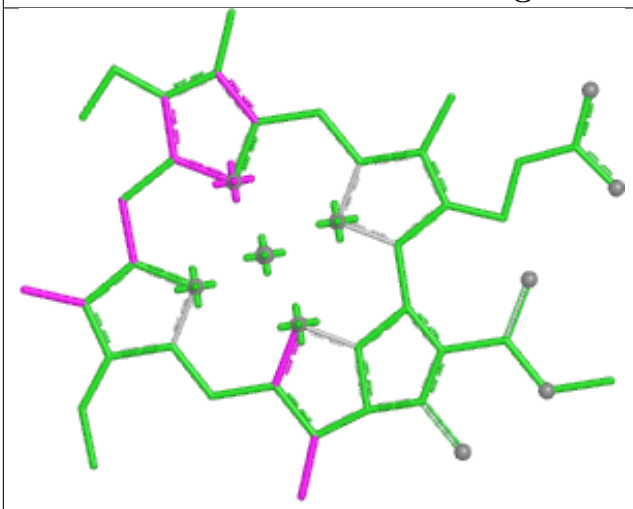


Torsions

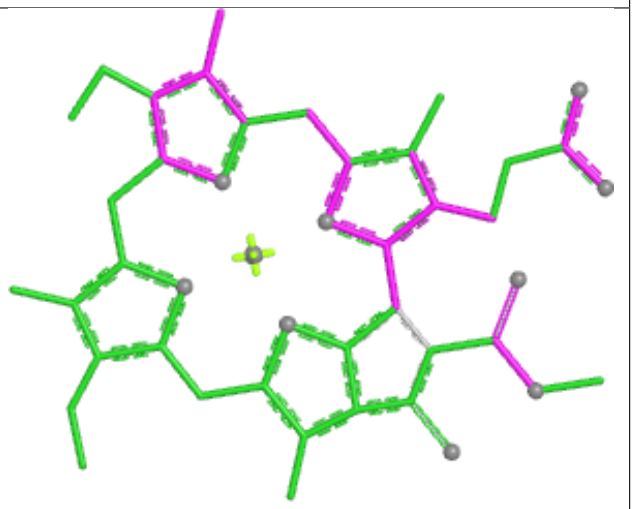


Rings

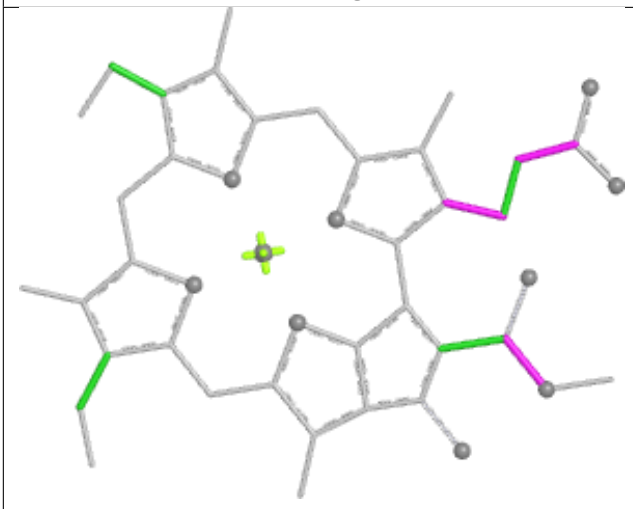
Ligand CLA H 1112



Bond lengths



Bond angles

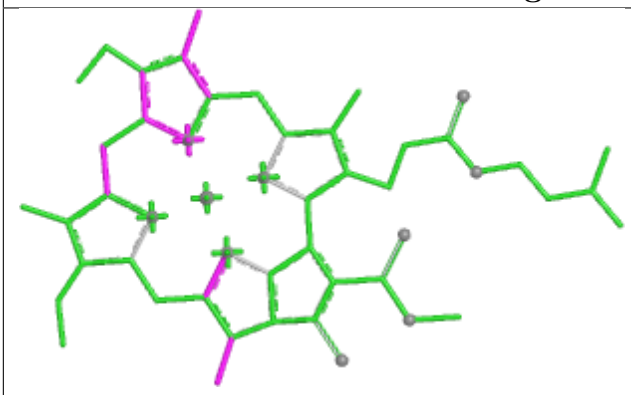


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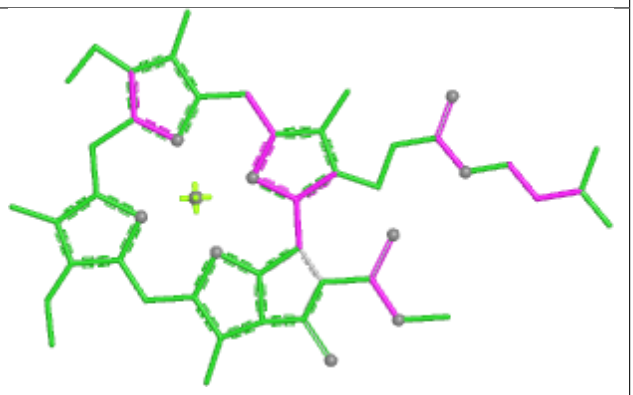


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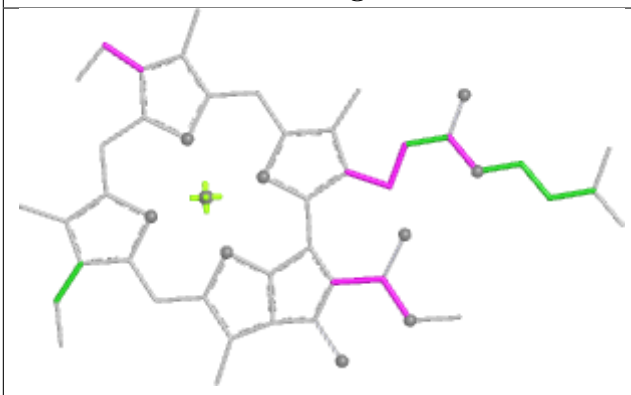
Ligand CLA w 513



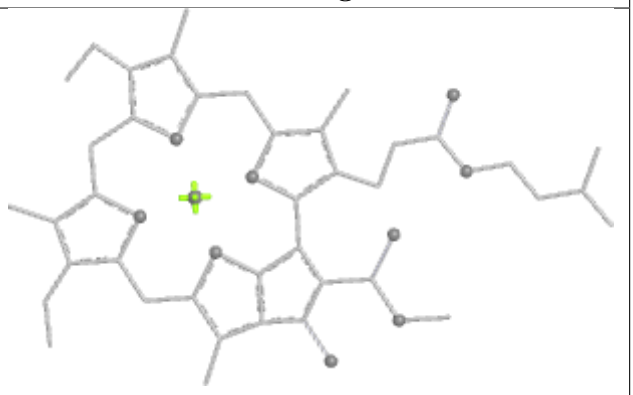
Bond lengths



Bond angles

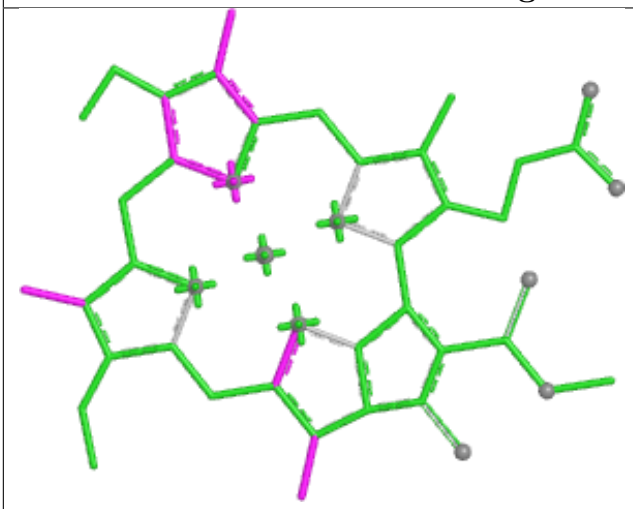


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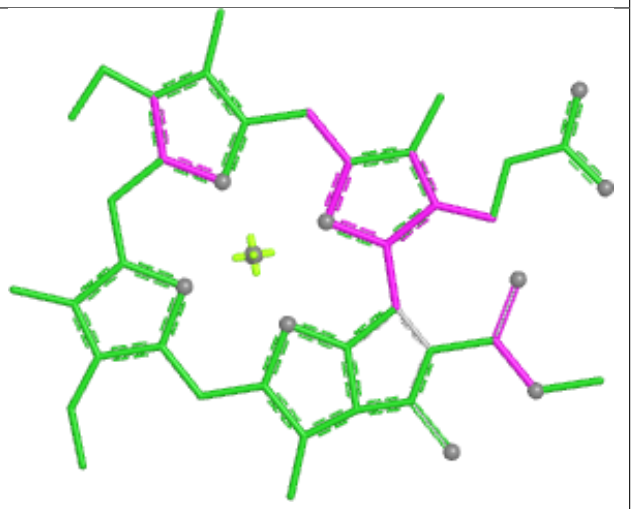


Rings

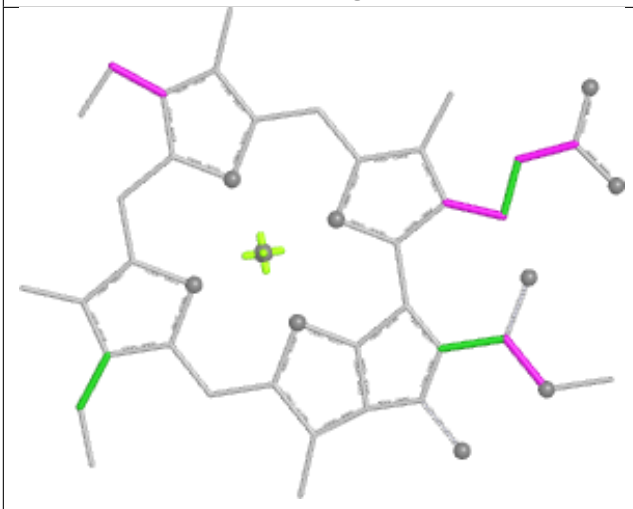
Ligand CLA S 1302



Bond lengths



Bond angles

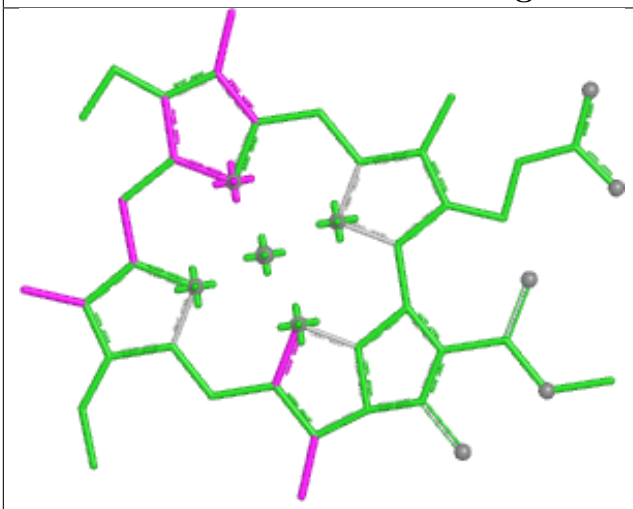


Torsions

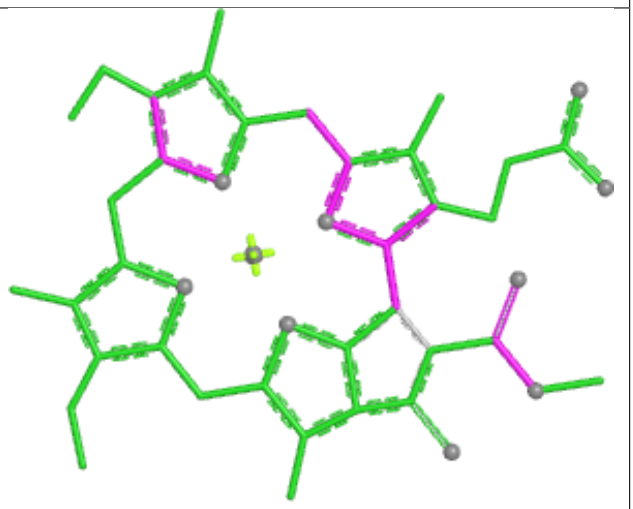


Rings

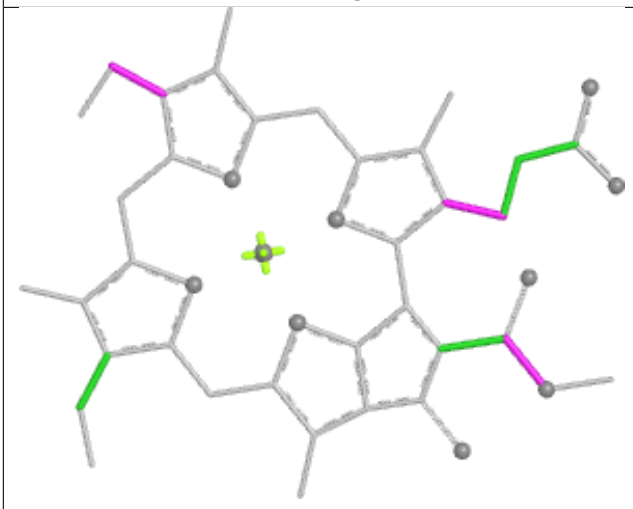
Ligand CLA B 1232



Bond lengths



Bond angles

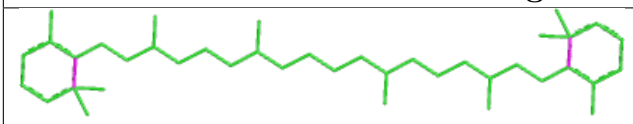


Torsions

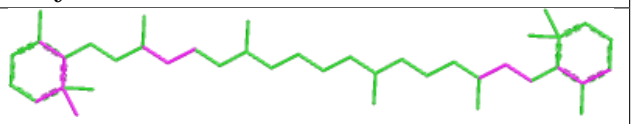


Rings

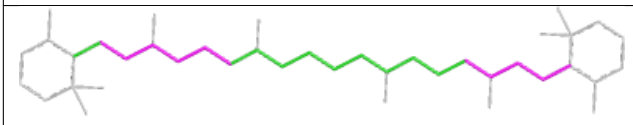
Ligand BCR y 604



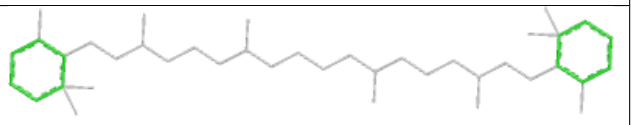
Bond lengths



Bond angles

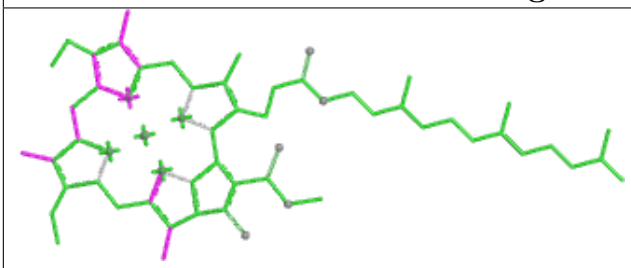


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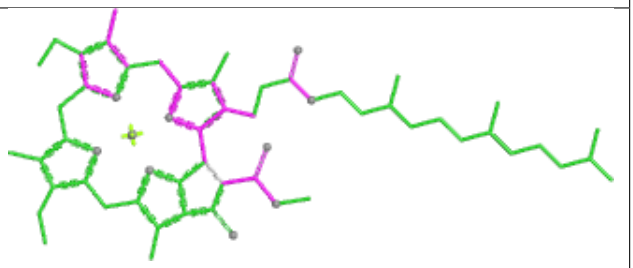


Rings

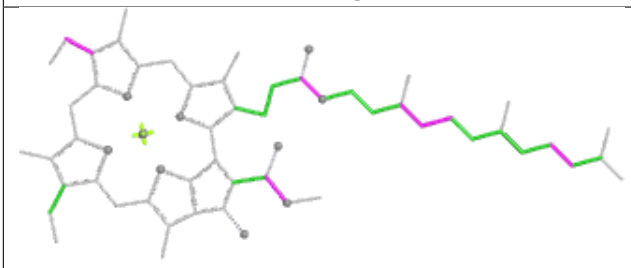
Ligand CLA o 509



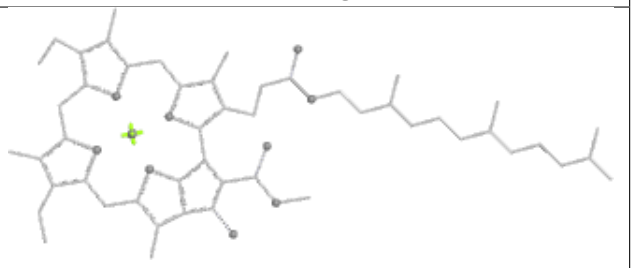
Bond lengths



Bond angles

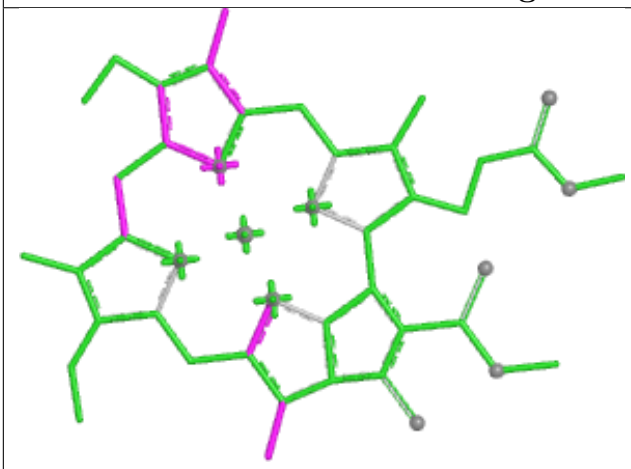


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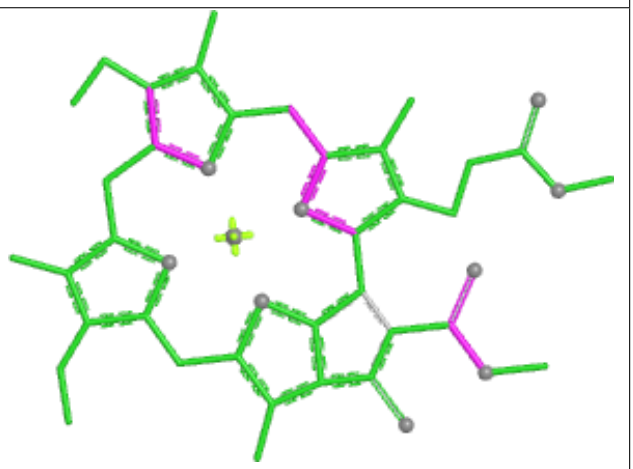


Rings

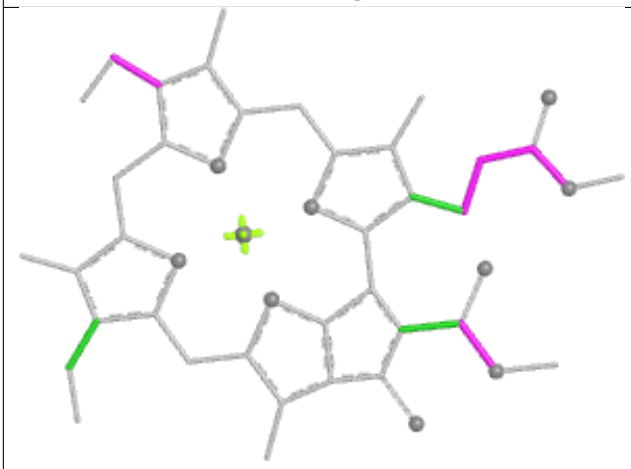
Ligand CLA W 516



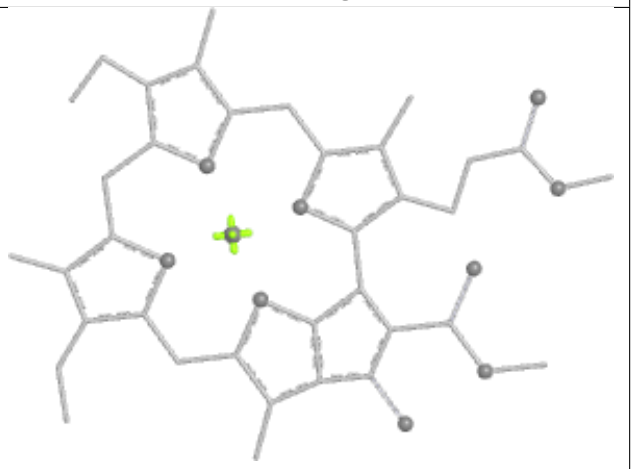
Bond lengths



Bond angles

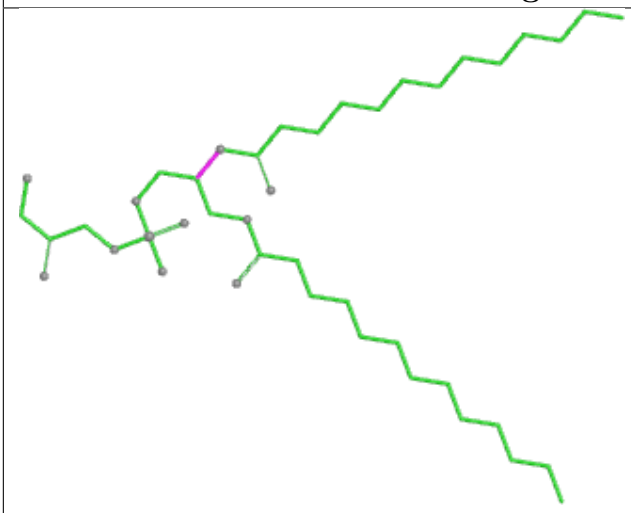


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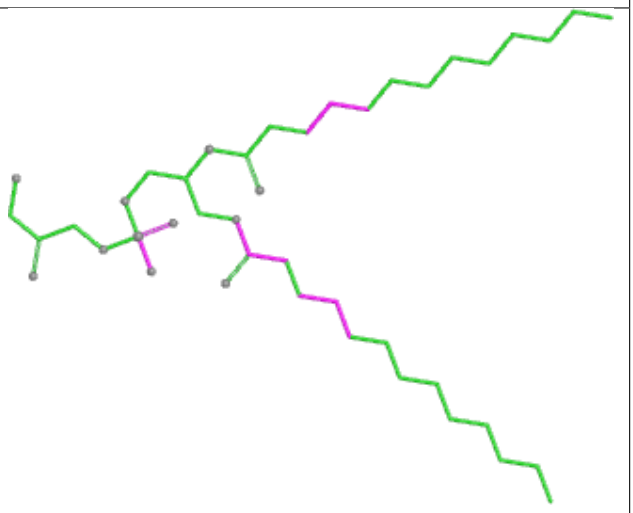


Rings

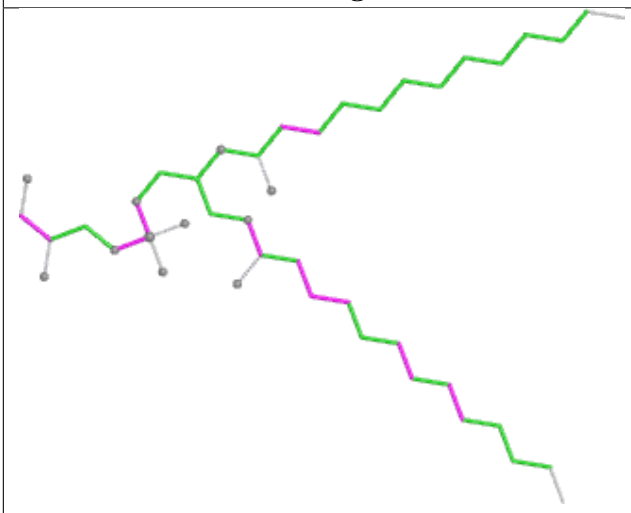
Ligand LHG A 849



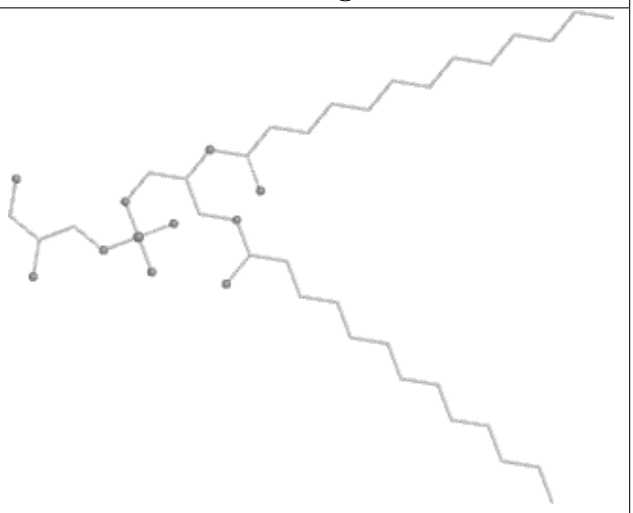
Bond lengths



Bond angles

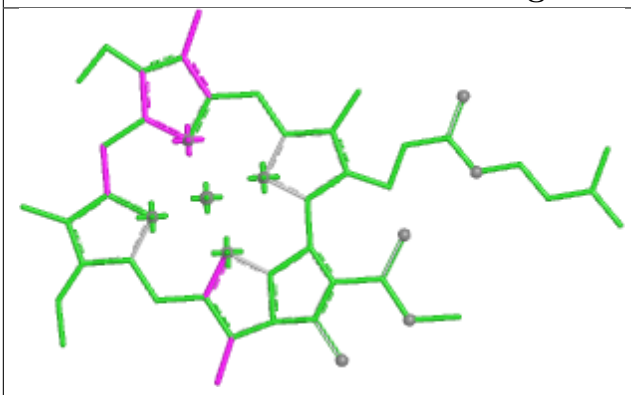


Torsions

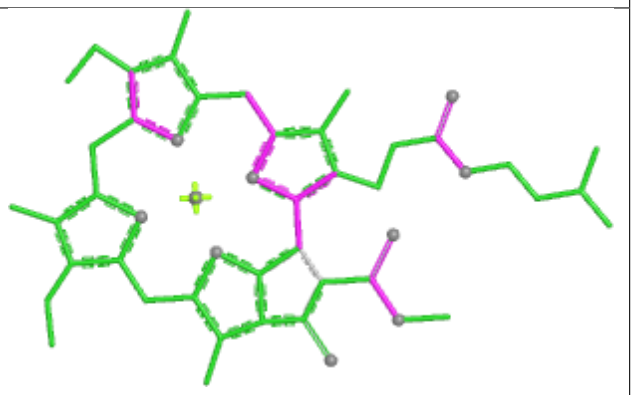


Rings

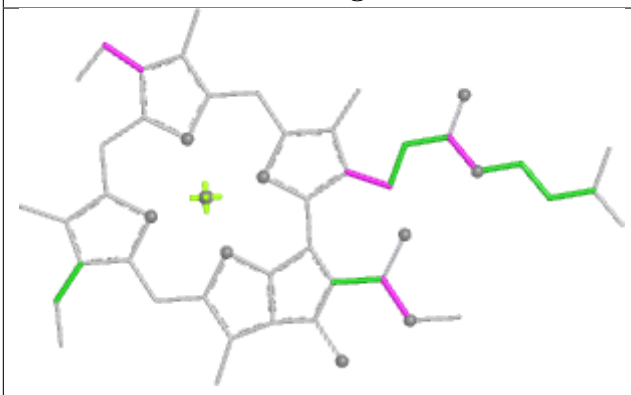
Ligand CLA x 513



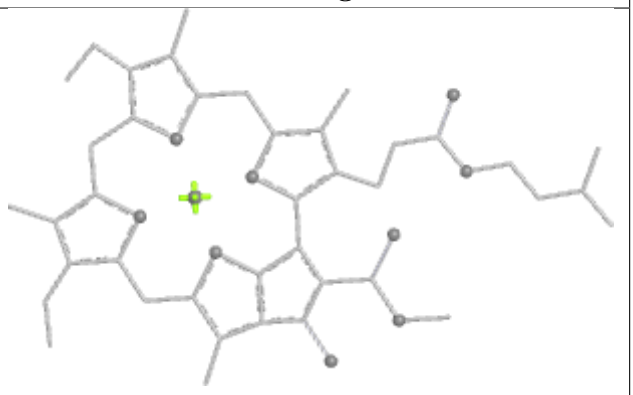
Bond lengths



Bond angles

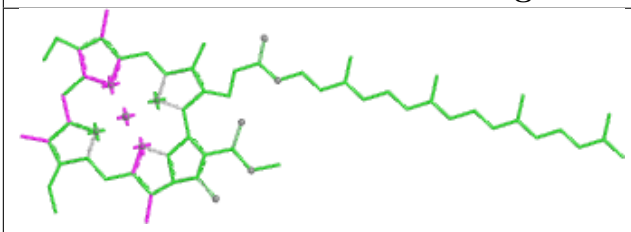


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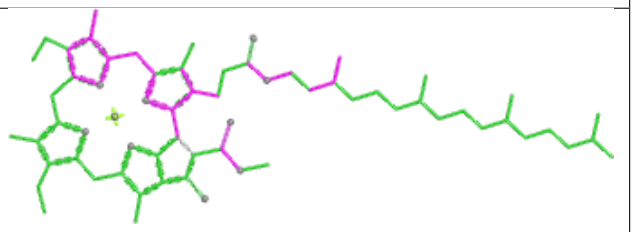


Rings

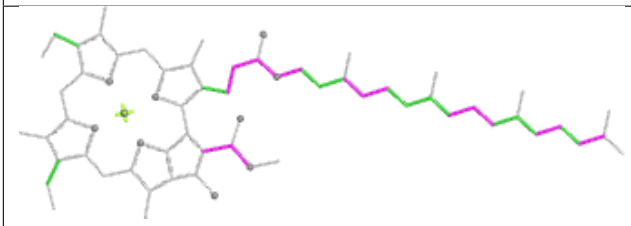
Ligand CLA A 1013



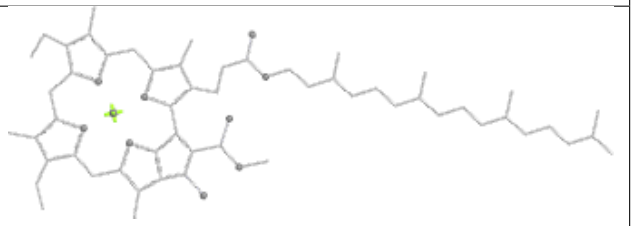
Bond lengths



Bond angles

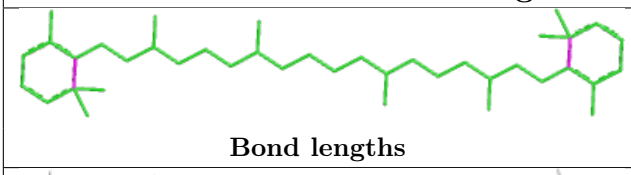


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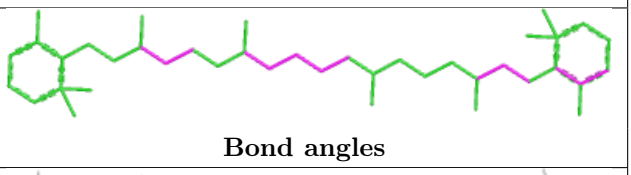


Rings

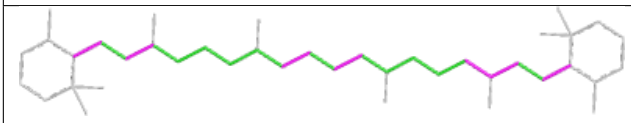
Ligand BCR L 4019



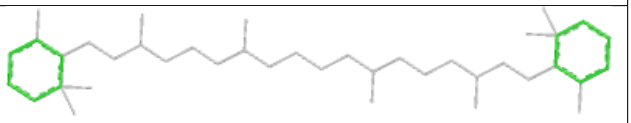
Bond lengths



Bond angles

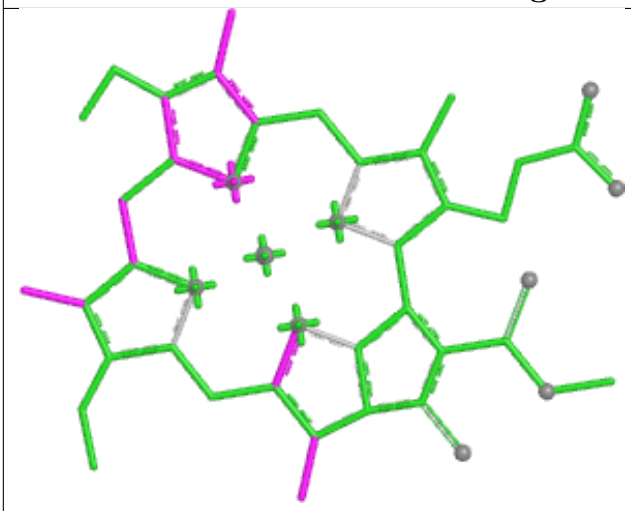


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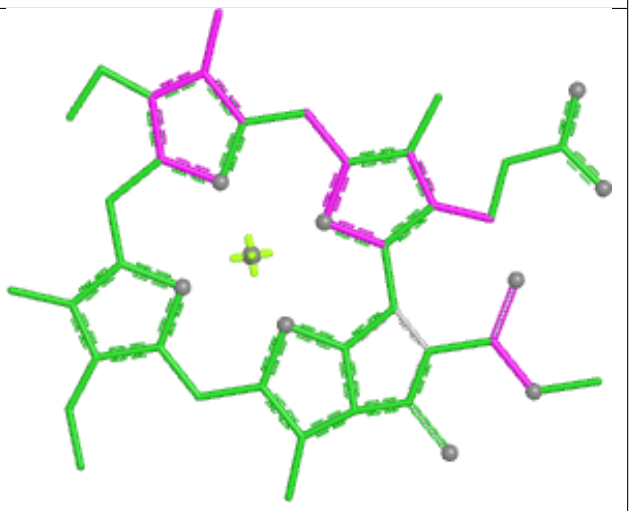


Rings

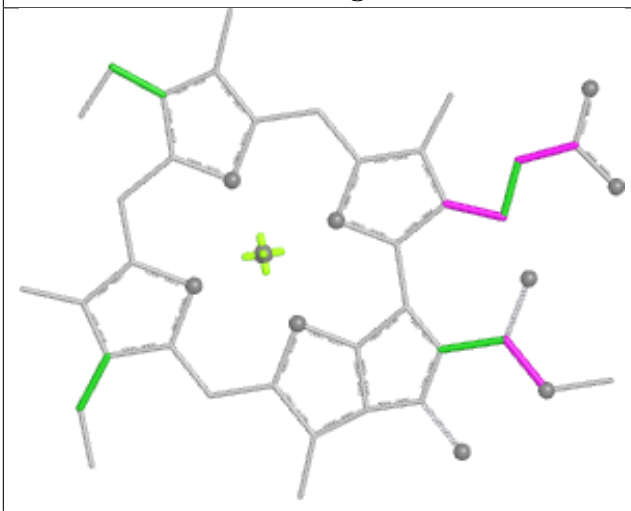
Ligand CLA s 512



Bond lengths



Bond angles

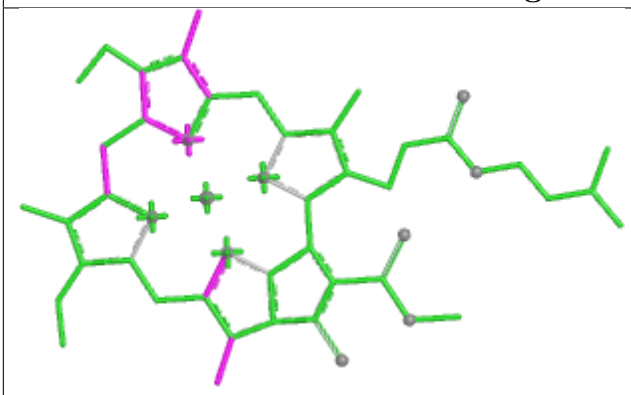


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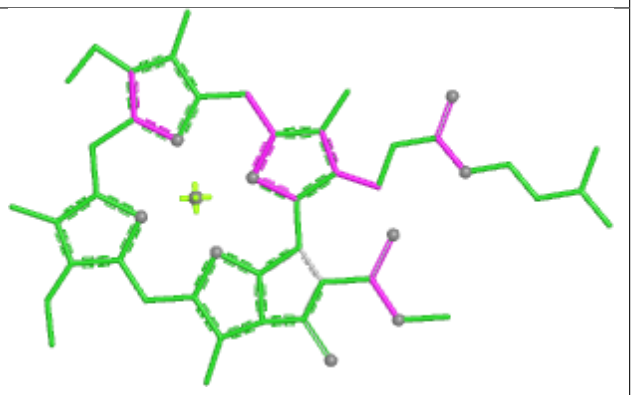


Rings

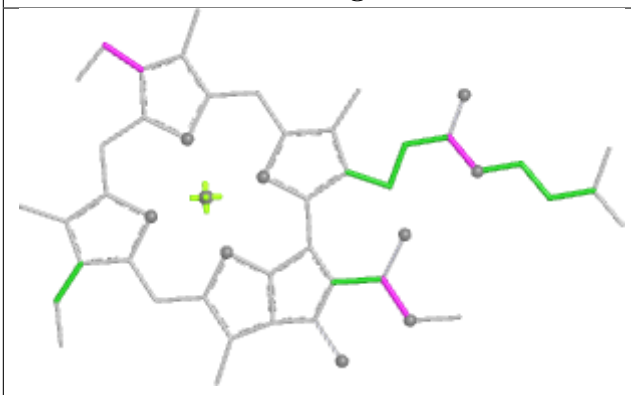
Ligand CLA w 501



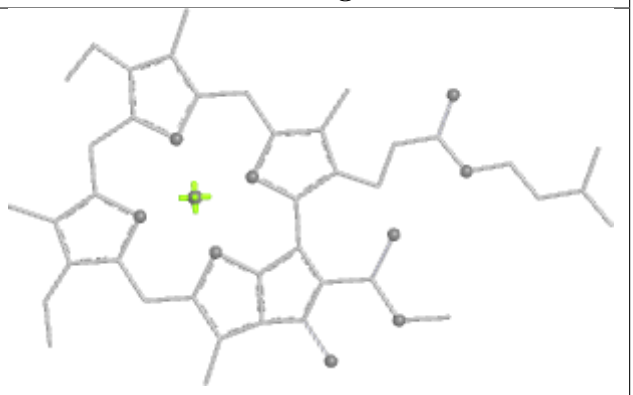
Bond lengths



Bond angles

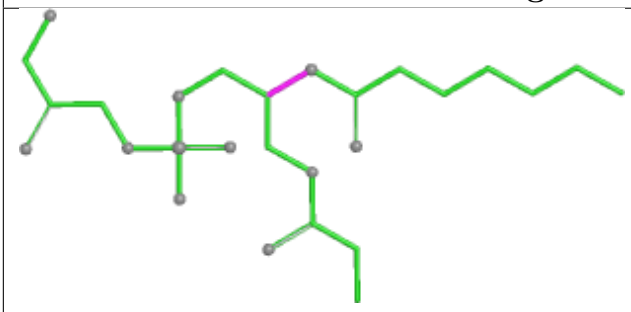


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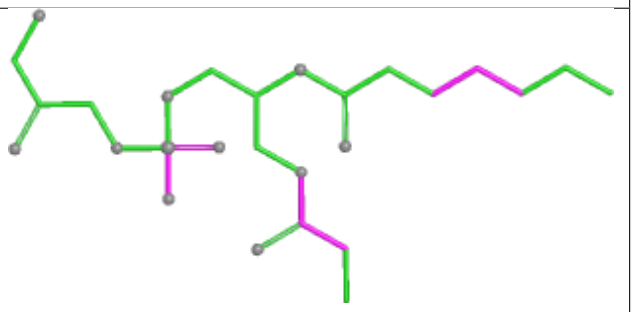


Rings

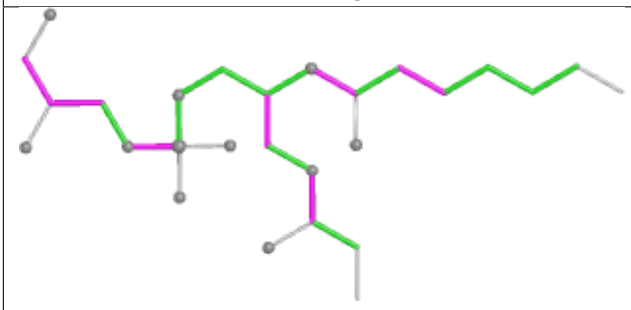
Ligand LHG a 851



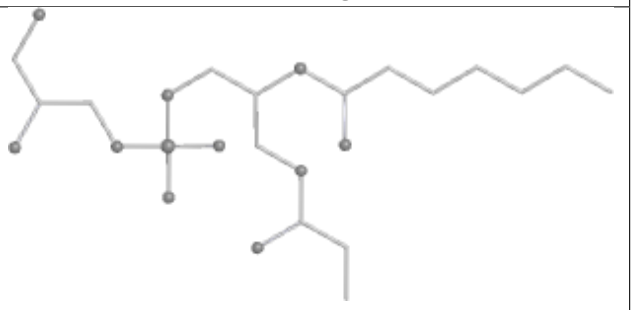
Bond lengths



Bond angles

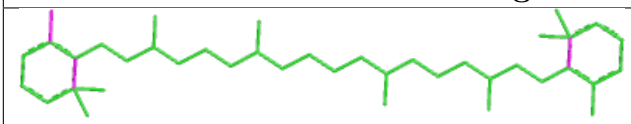


Torsions

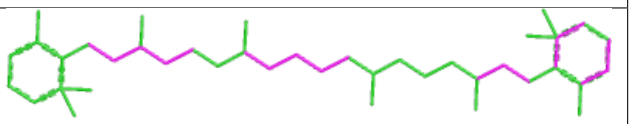


Rings

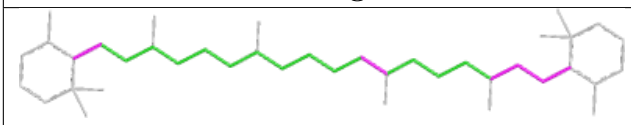
Ligand BCR A 4007



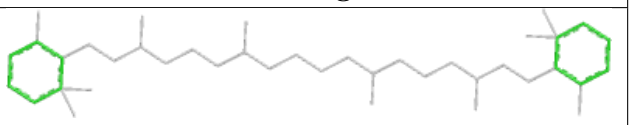
Bond lengths



Bond angles

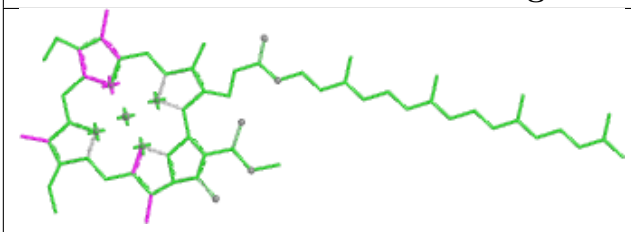


Torsions

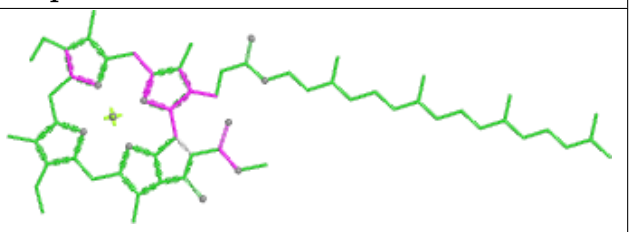


Rings

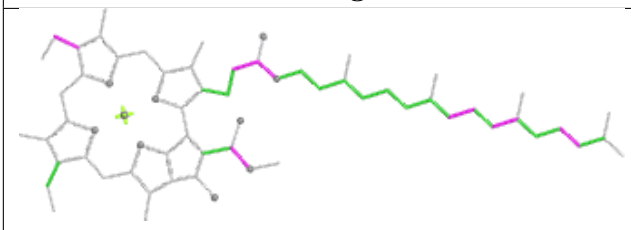
Ligand CLA p 510



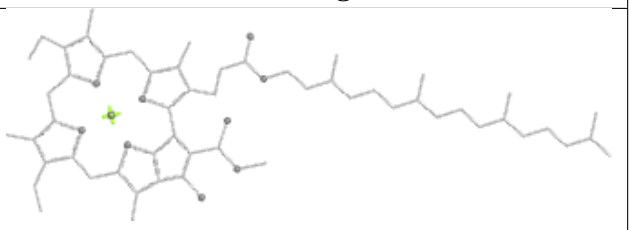
Bond lengths



Bond angles

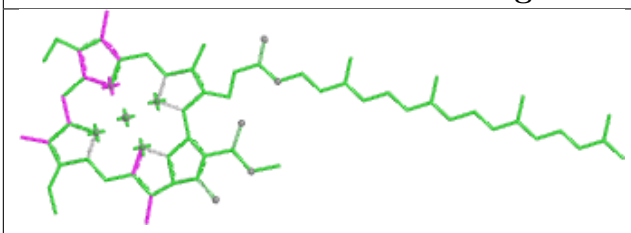


Torsions

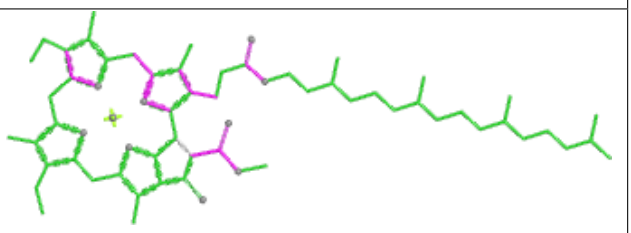


Rings

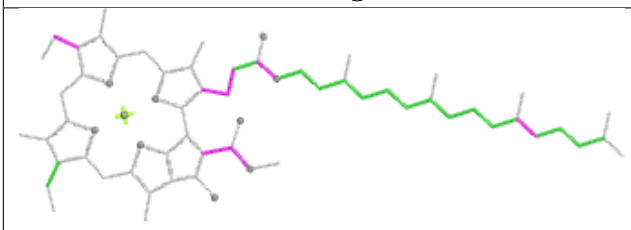
Ligand CLA A 1132



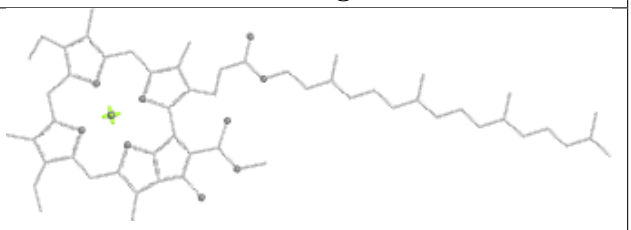
Bond lengths



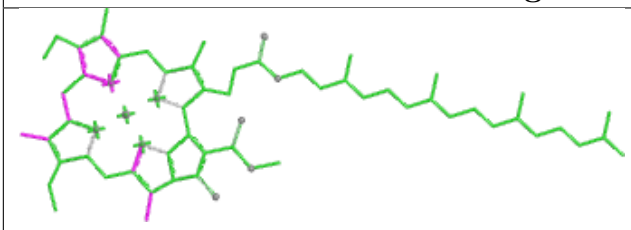
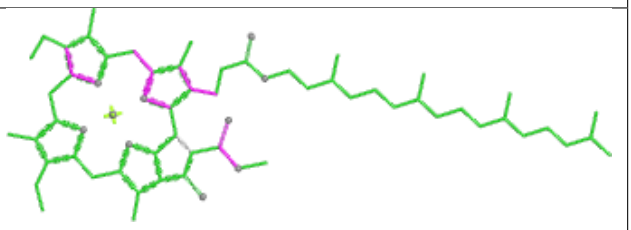
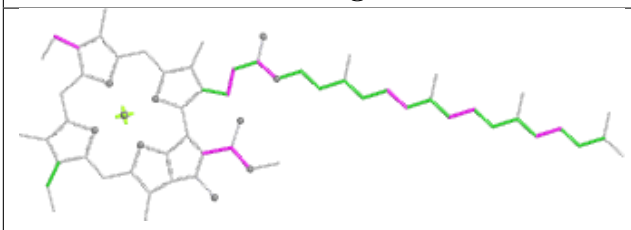
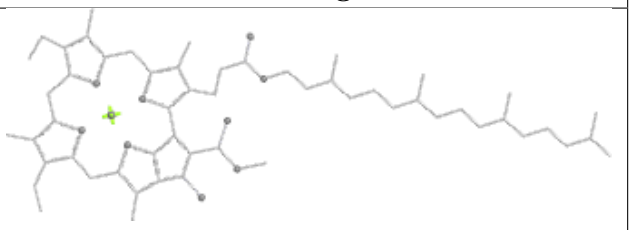
Bond angles

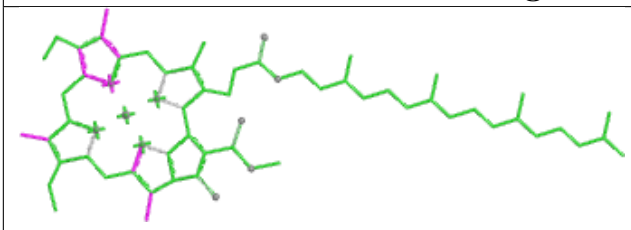
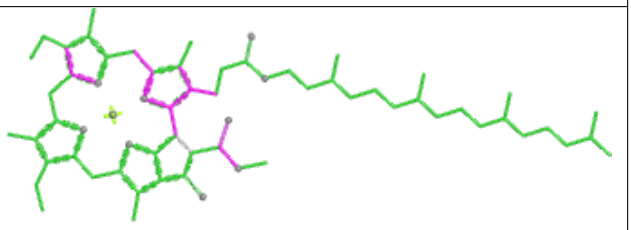
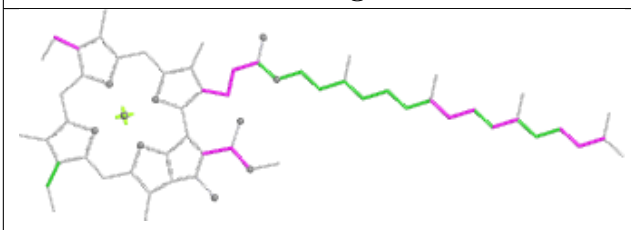
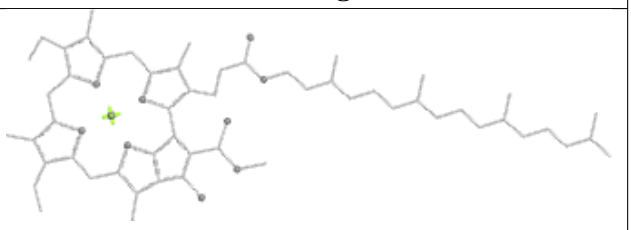


Torsions

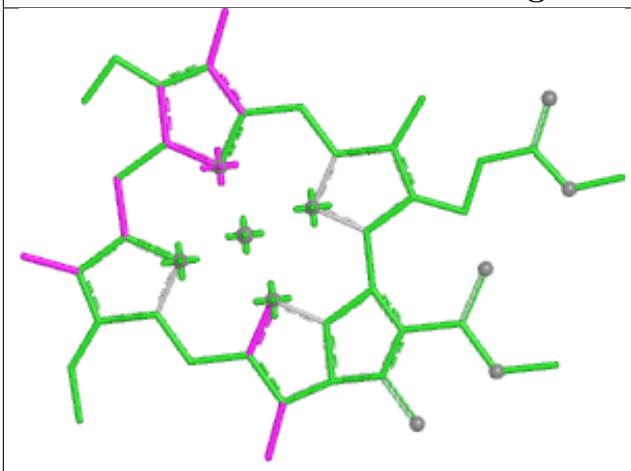


Rings

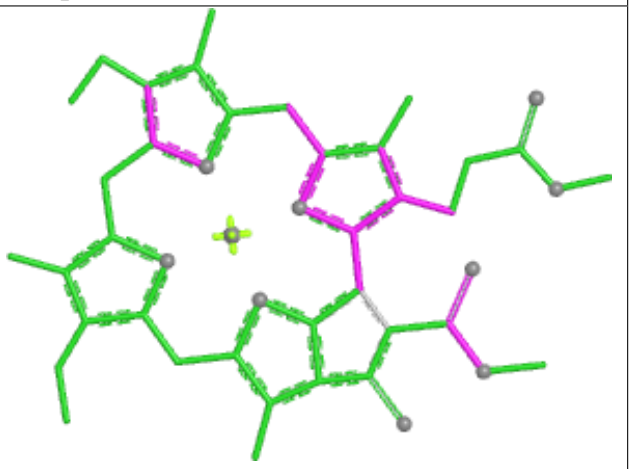
Ligand CLA w 515	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA w 505	
	
Bond lengths	Bond angles
	
Torsions	Rings

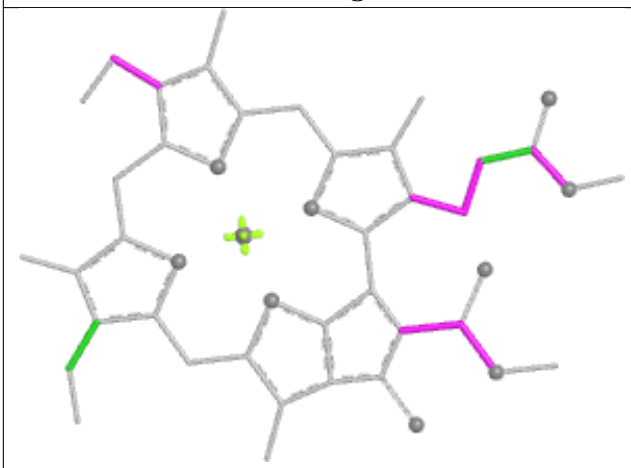
Ligand CLA q 503



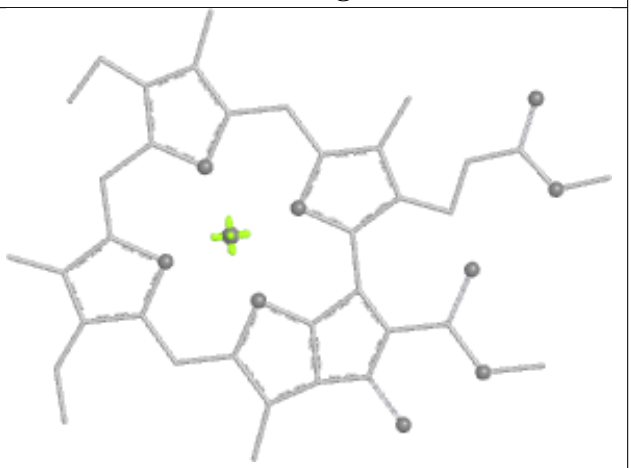
Bond lengths



Bond angles

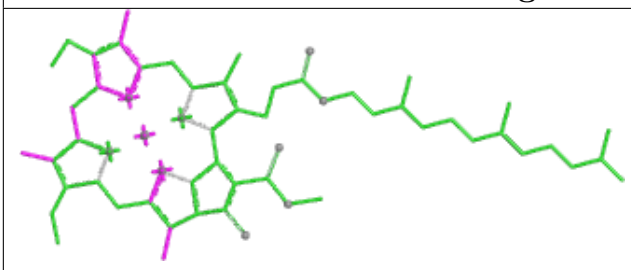


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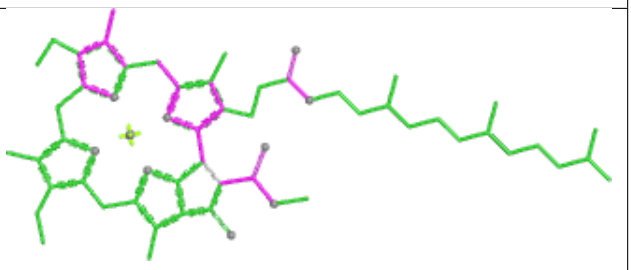


Rings

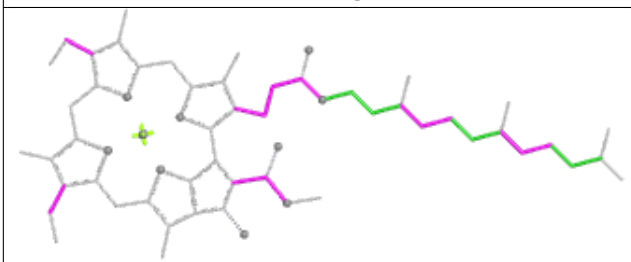
Ligand CLA b 1224



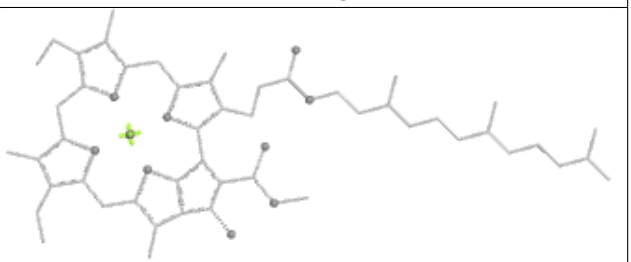
Bond lengths



Bond angles

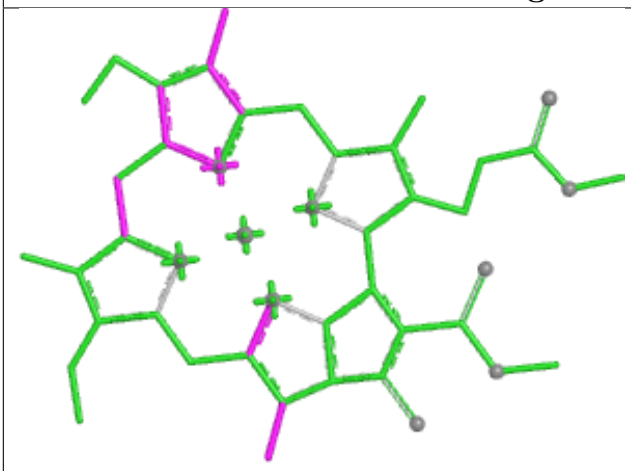


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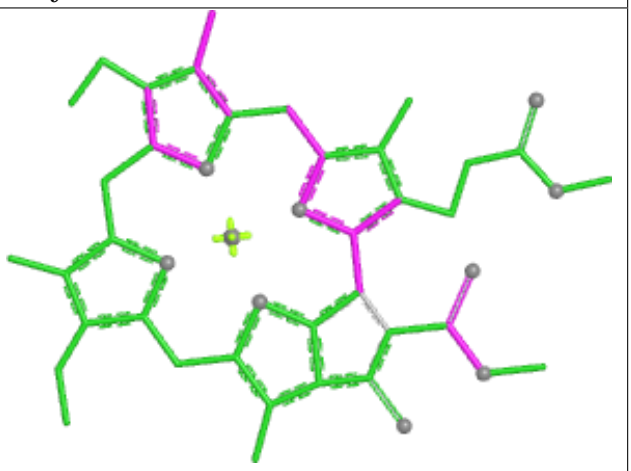


Rings

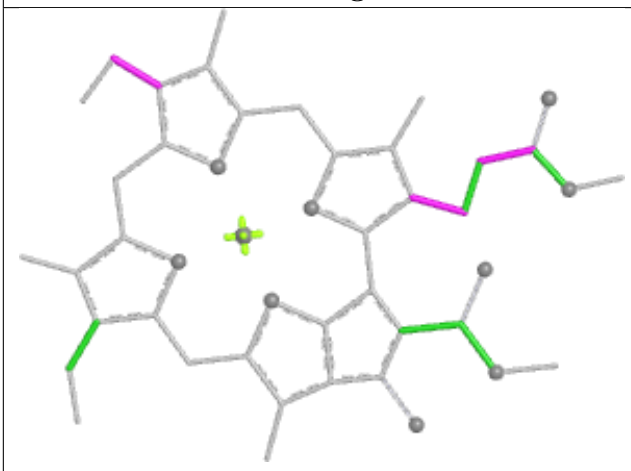
Ligand CLA y 516



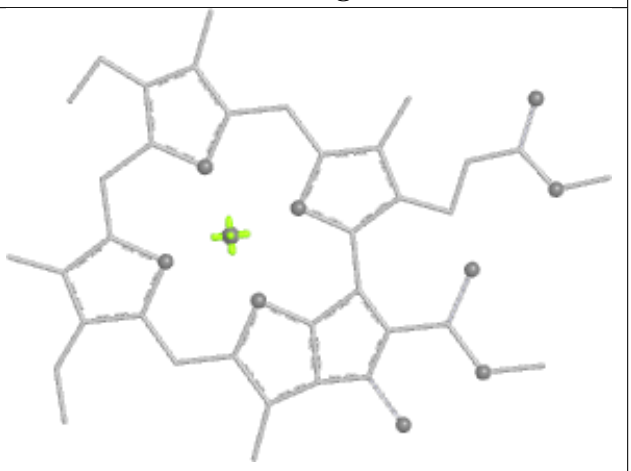
Bond lengths



Bond angles



Torsions

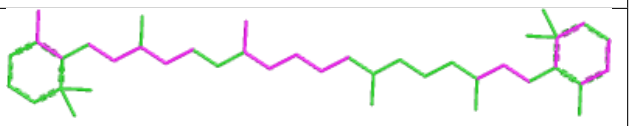


Rings

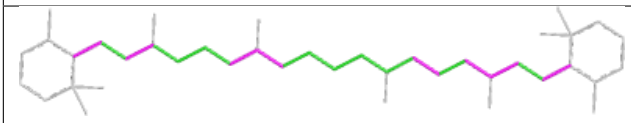
Ligand BCR A 4001



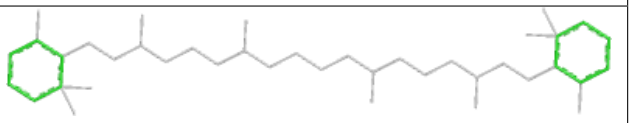
Bond lengths



Bond angles

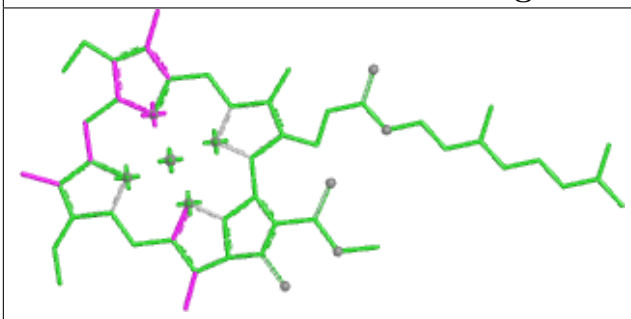


Torsions

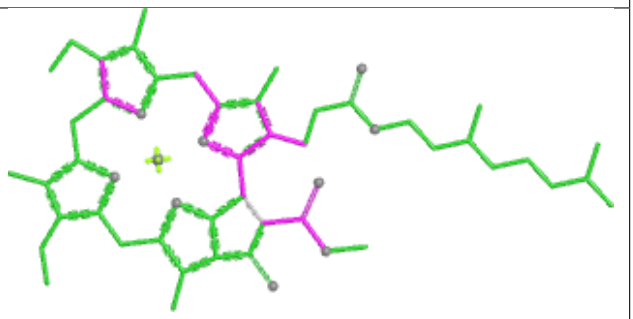


Rings

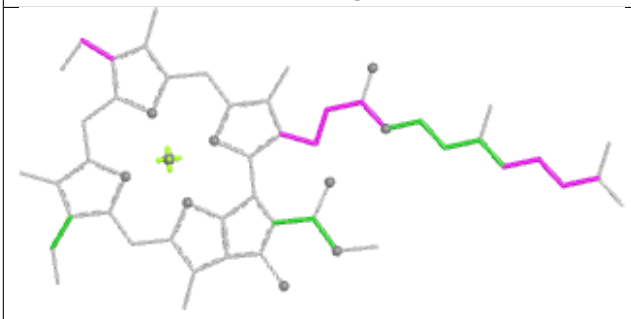
Ligand CLA A 1111



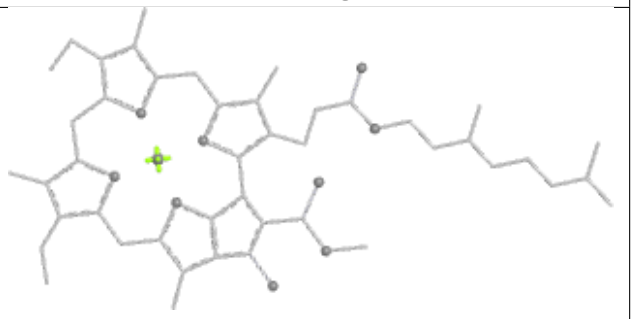
Bond lengths



Bond angles

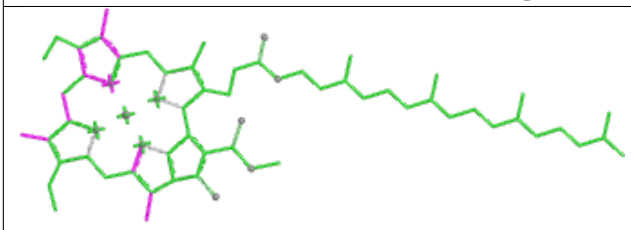


Torsions

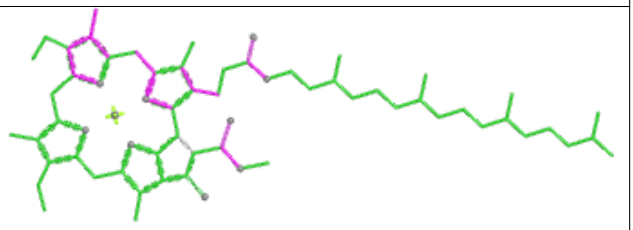


Rings

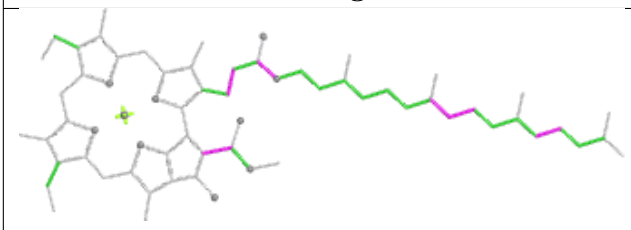
Ligand CLA b 1211



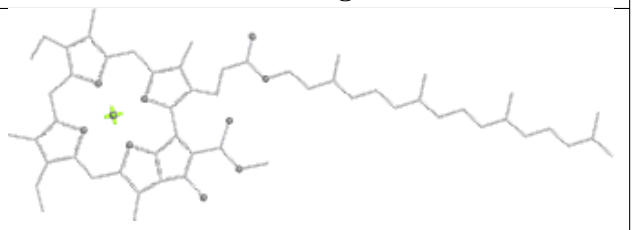
Bond lengths



Bond angles

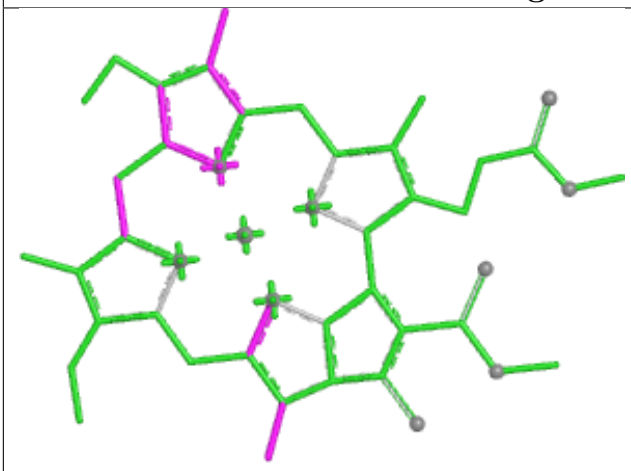


Torsions

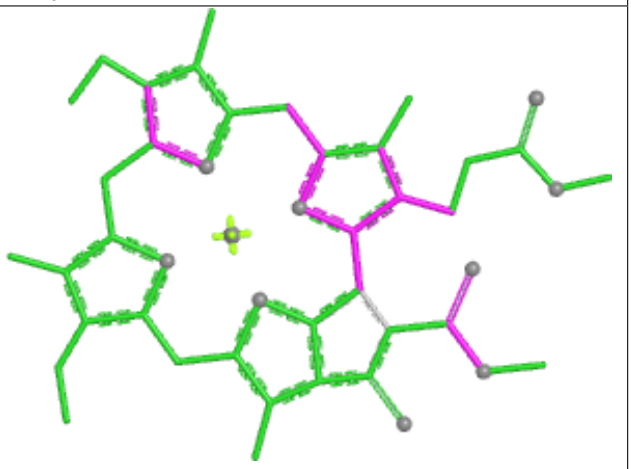


Rings

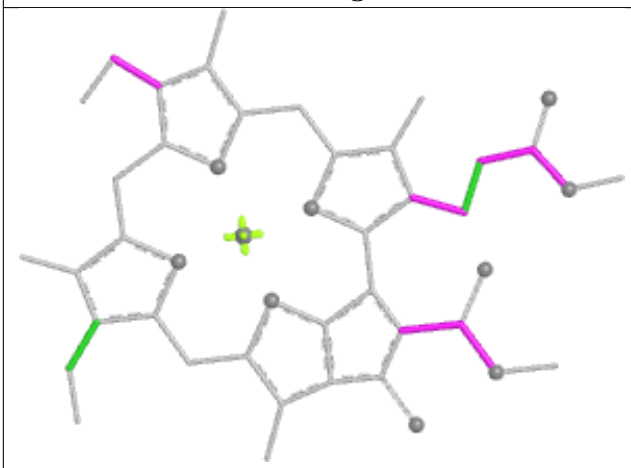
Ligand CLA y 503



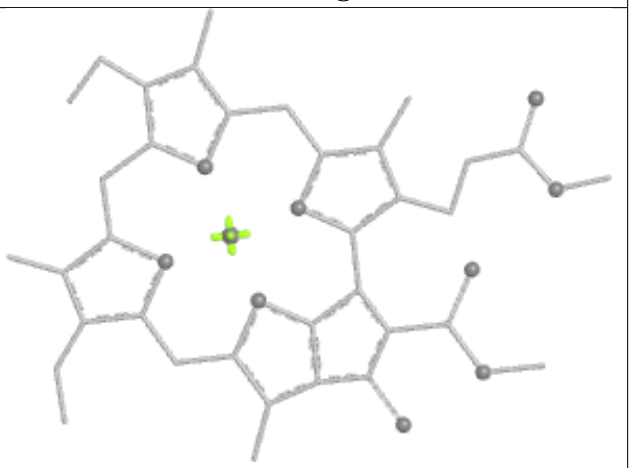
Bond lengths



Bond angles

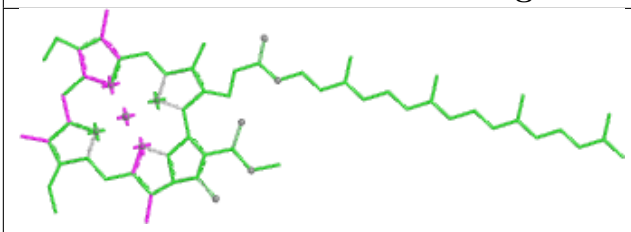


Torsions

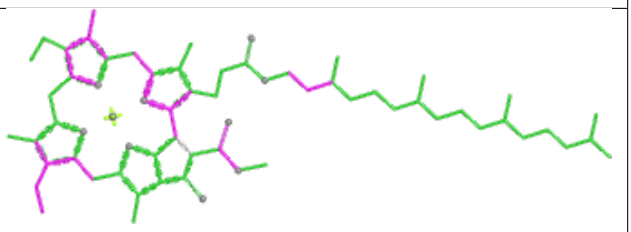


Rings

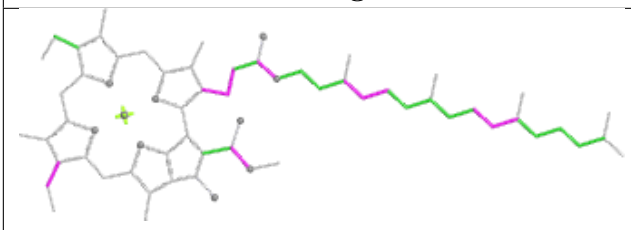
Ligand CLA B 1210



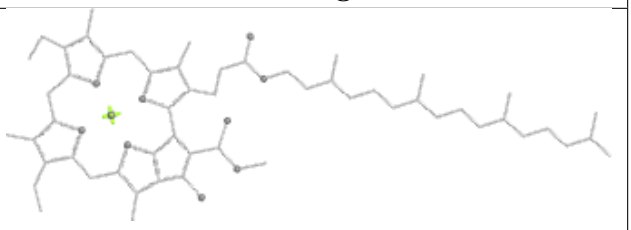
Bond lengths



Bond angles

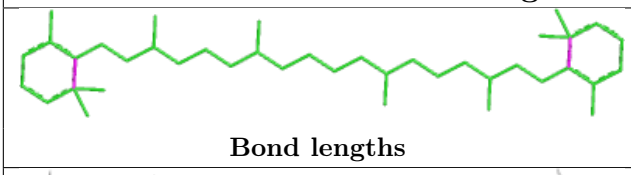


Torsions

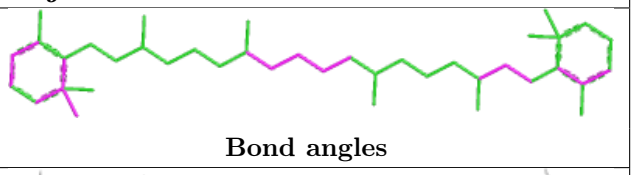


Rings

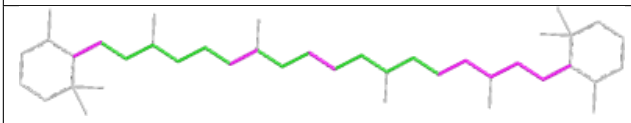
Ligand BCR j 4013



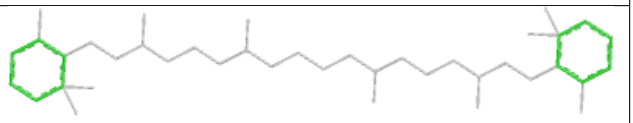
Bond lengths



Bond angles

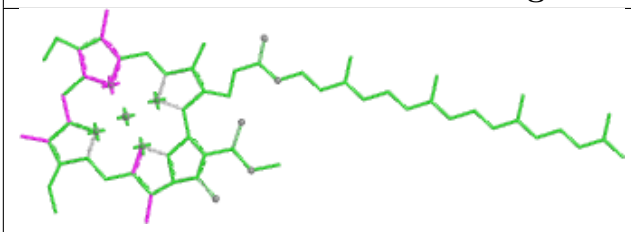


Torsions

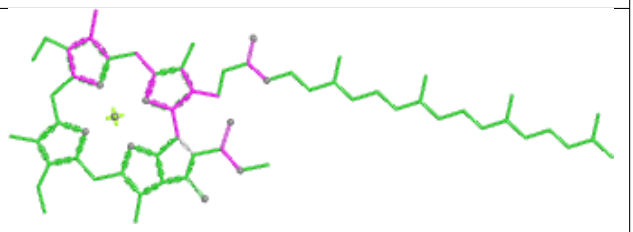


Rings

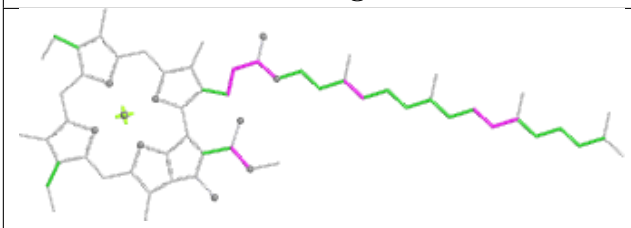
Ligand CLA u 511



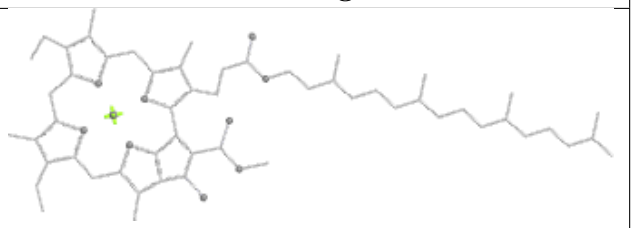
Bond lengths



Bond angles

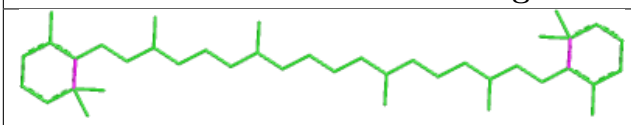


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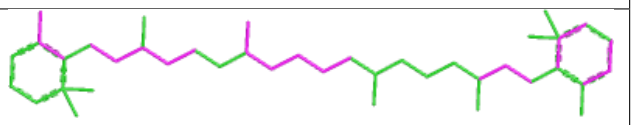


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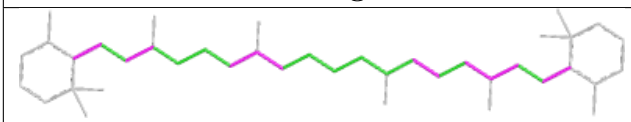
Ligand BCR H 4001



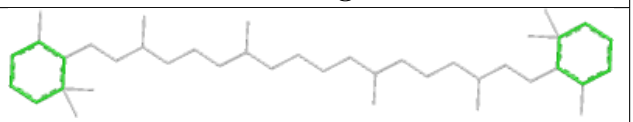
Bond lengths



Bond angles

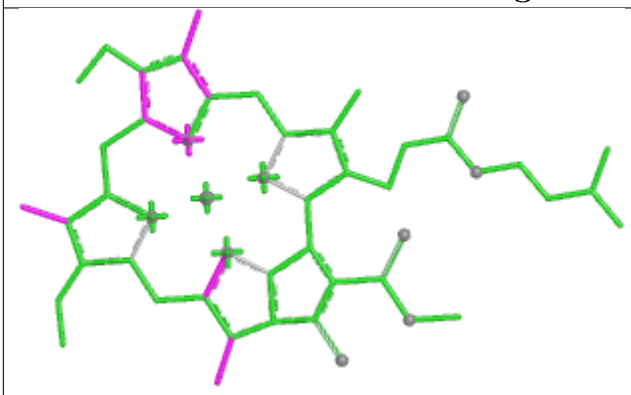


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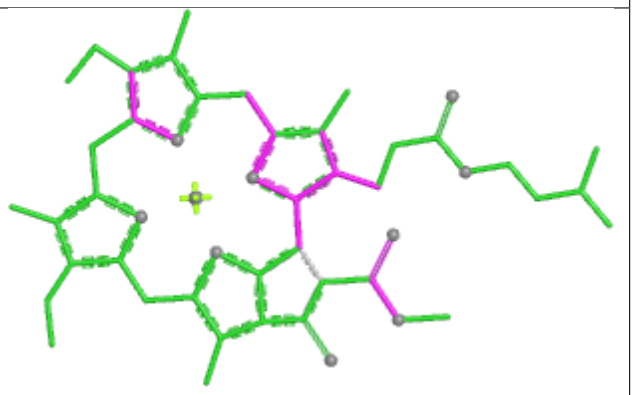


Rings

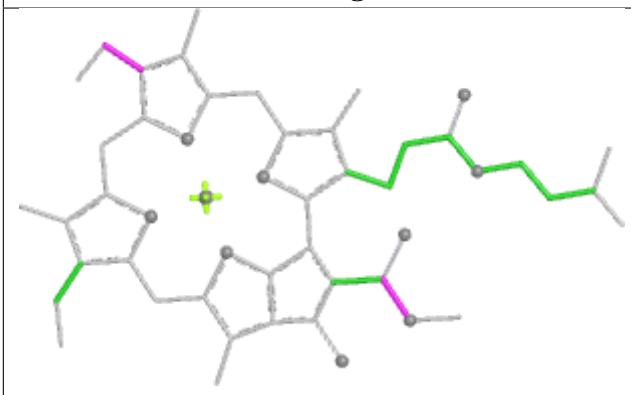
Ligand CLA G 1240



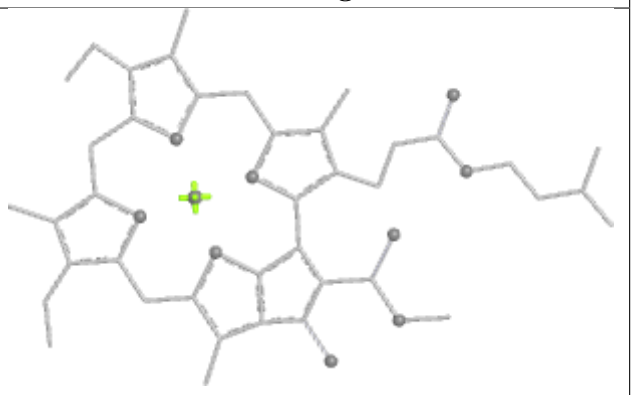
Bond lengths



Bond angles

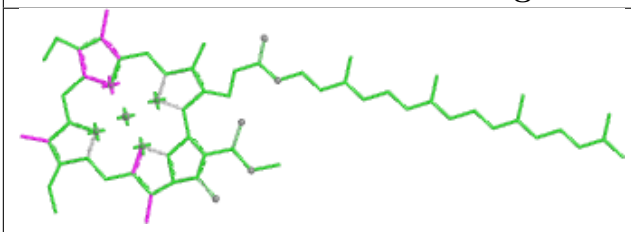


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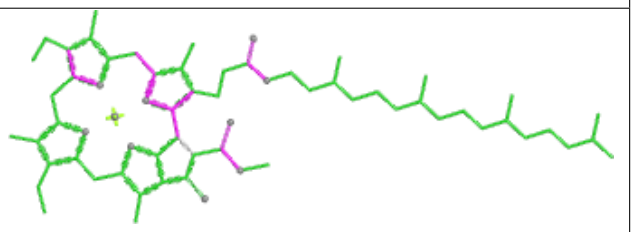


Rings

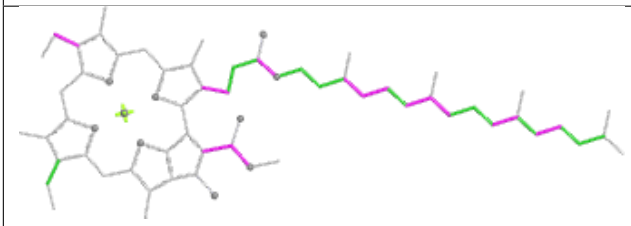
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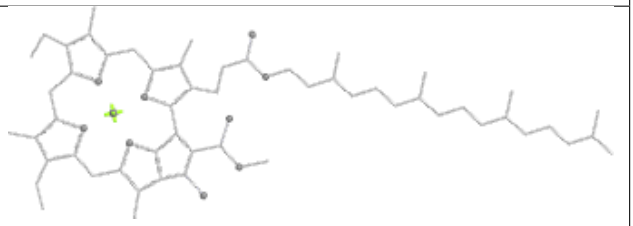
Bond lengths



Bond angles

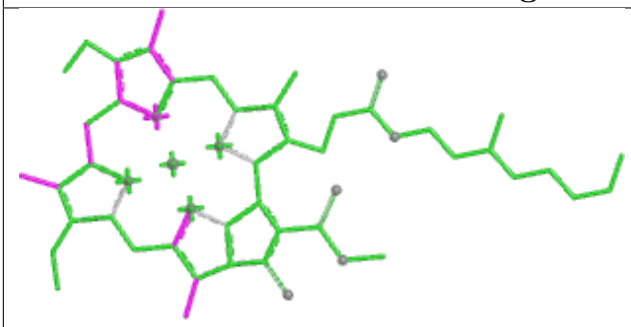


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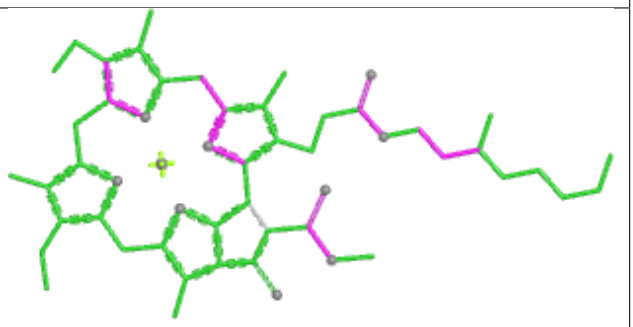


Rings

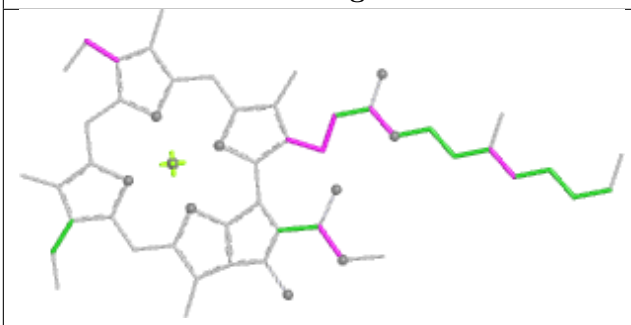
Ligand CLA a 1133



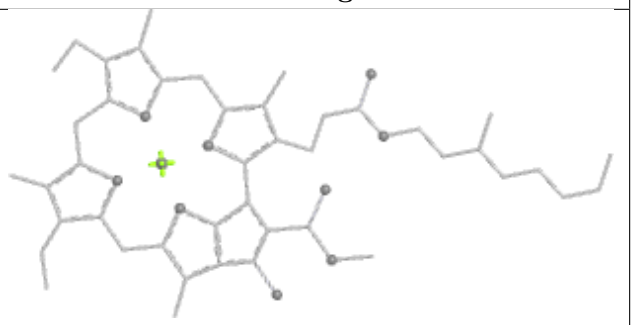
Bond lengths



Bond angles

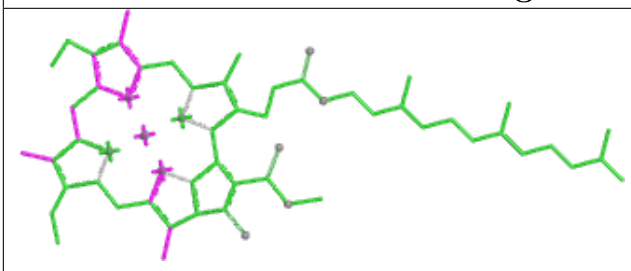


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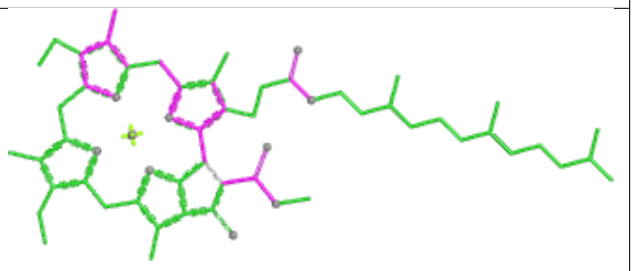


Rings

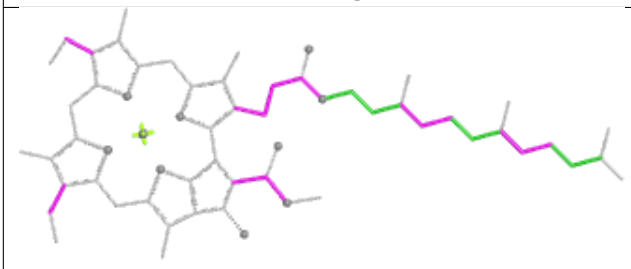
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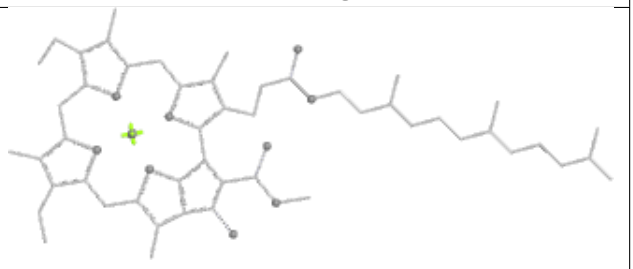
Bond lengths



Bond angles

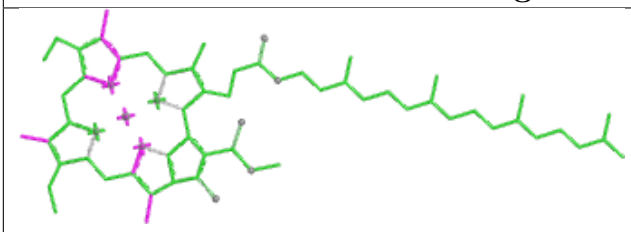


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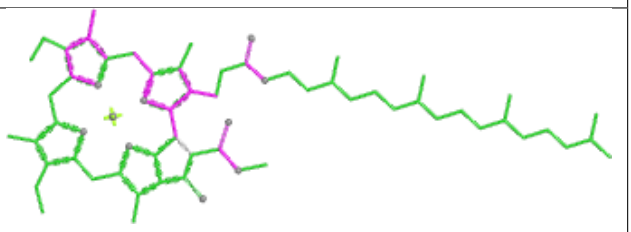


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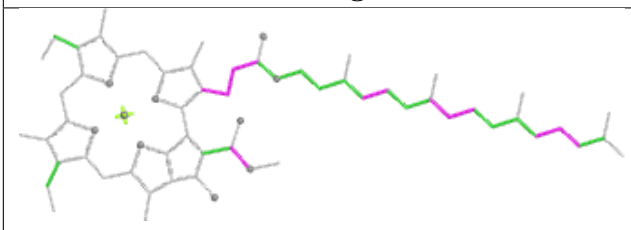
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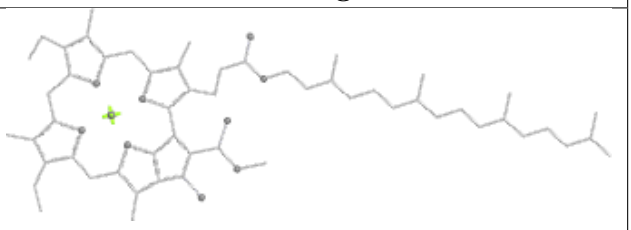
Bond lengths



Bond angles

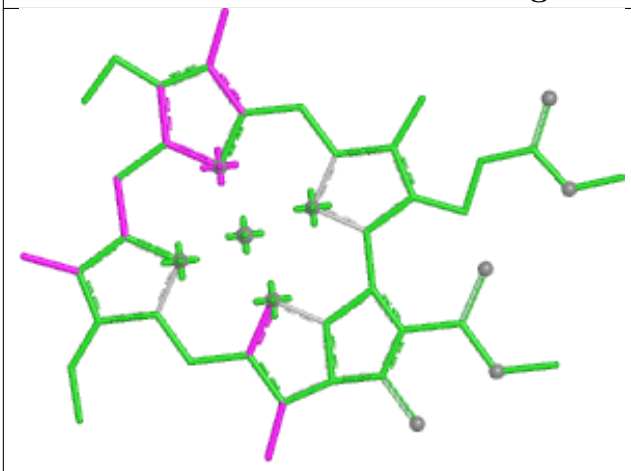


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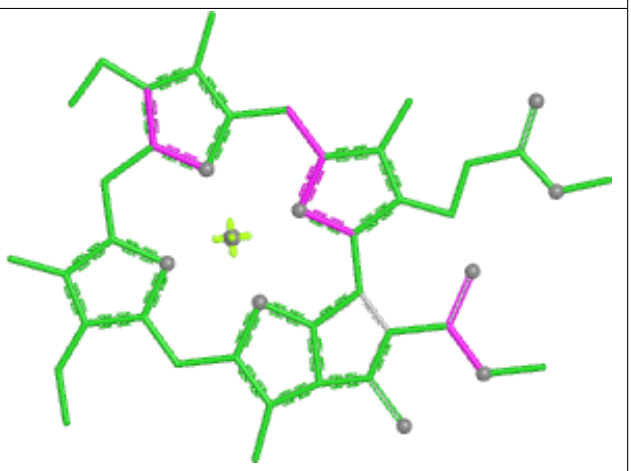


Rings

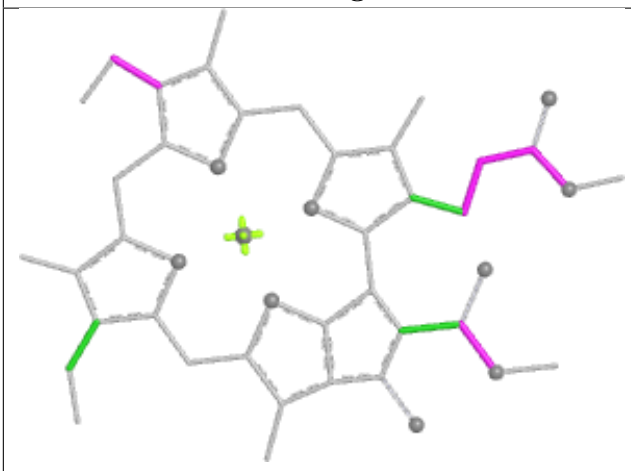
Ligand CLA t 516



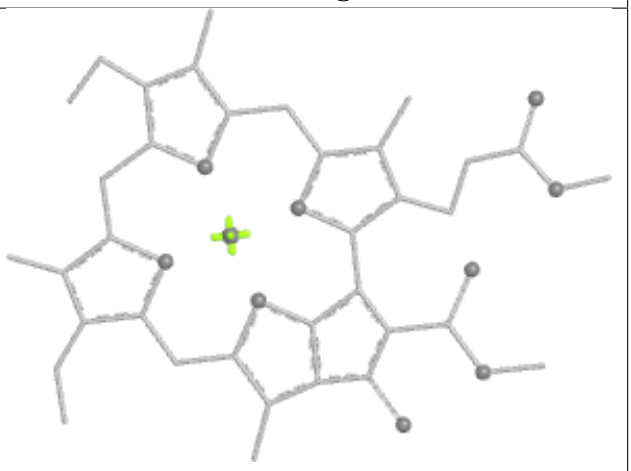
Bond lengths



Bond angles

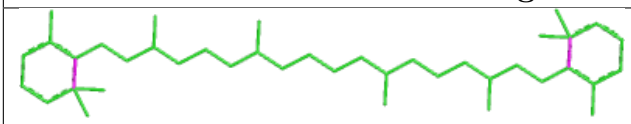


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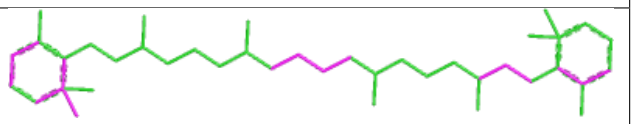


Rings

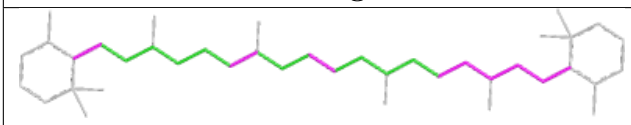
Ligand BCR J 4013



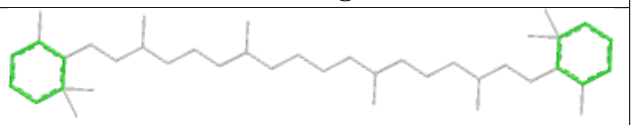
Bond lengths



Bond angles

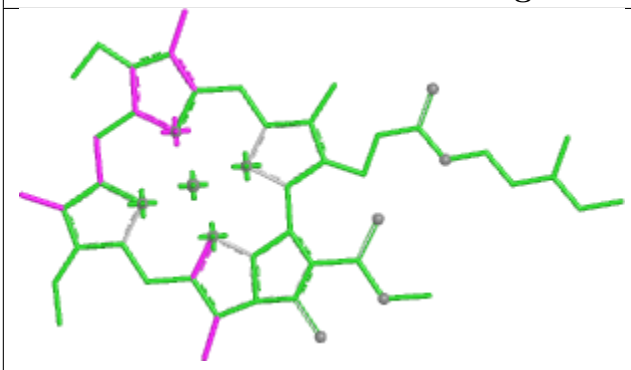


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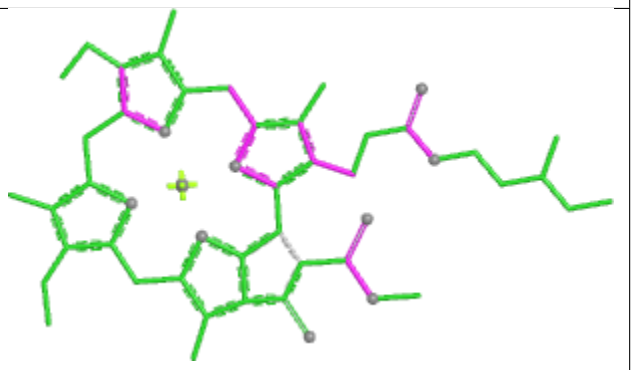


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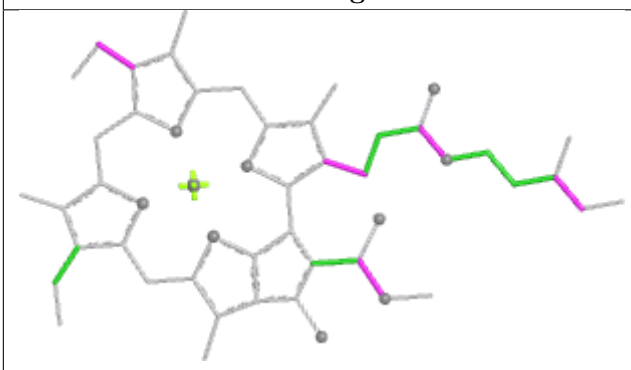
Ligand CLA H 1139



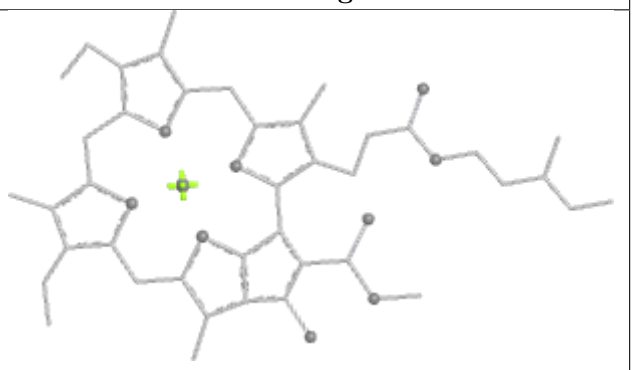
Bond lengths



Bond angles

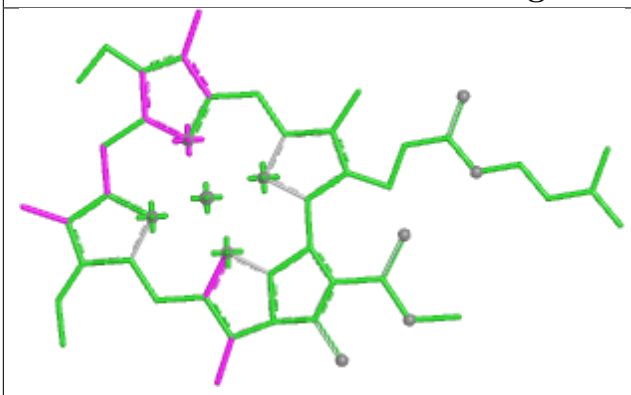


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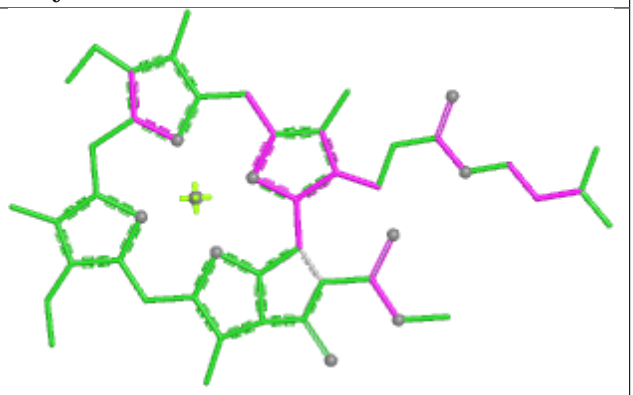


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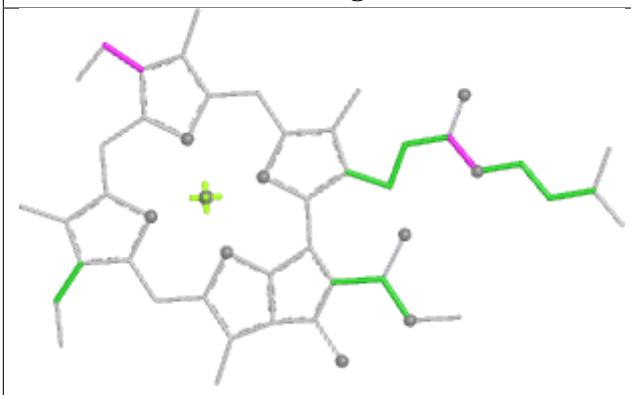
Ligand CLA y 513



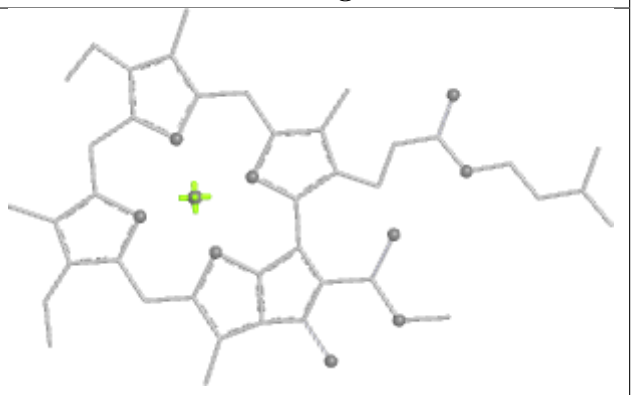
Bond lengths



Bond angles

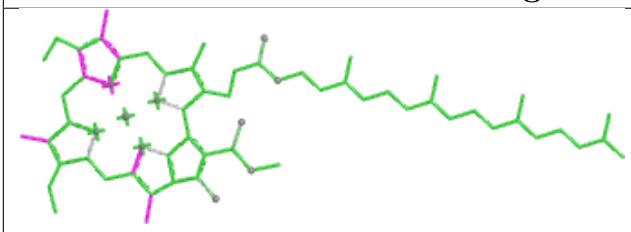


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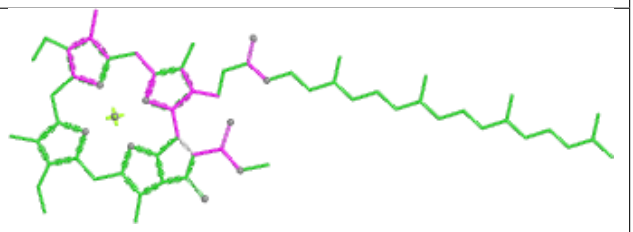


Rings

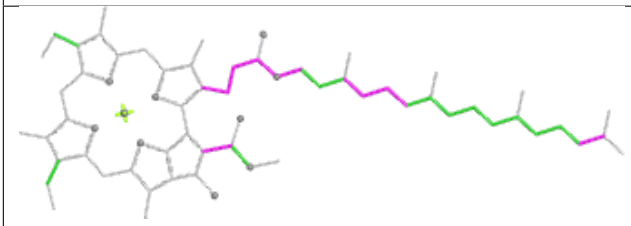
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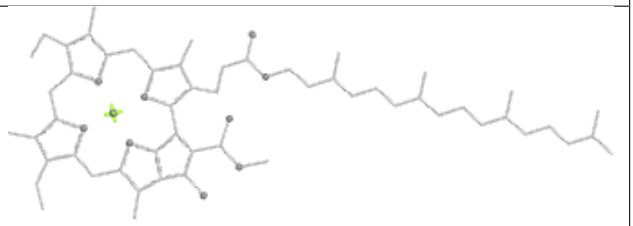
Bond lengths



Bond angles

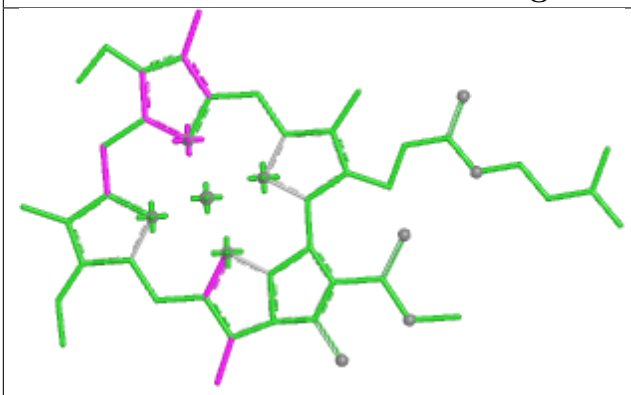


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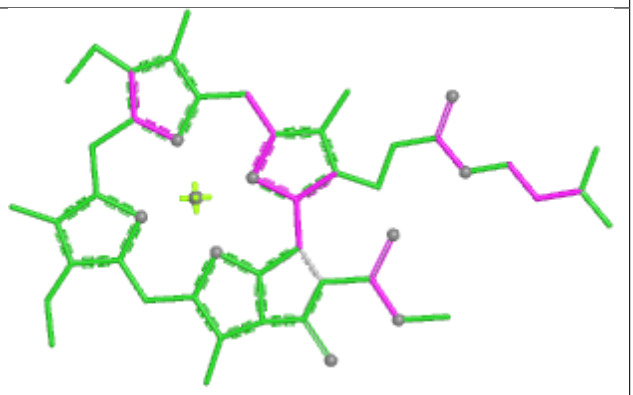


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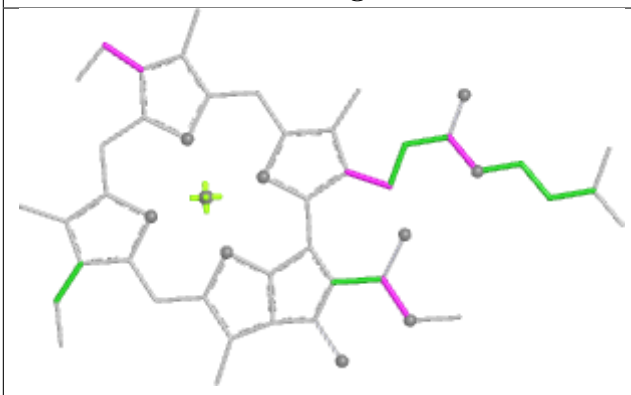
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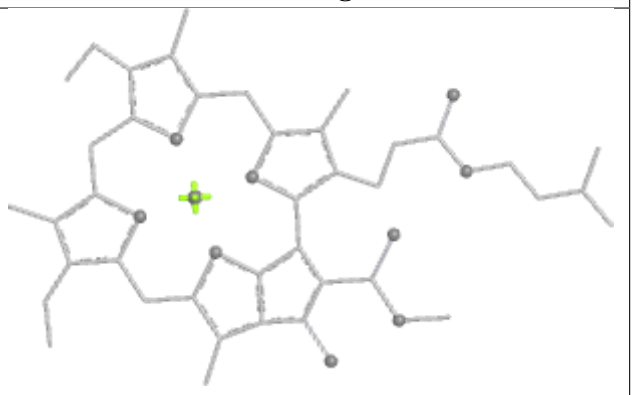
Bond lengths



Bond angles

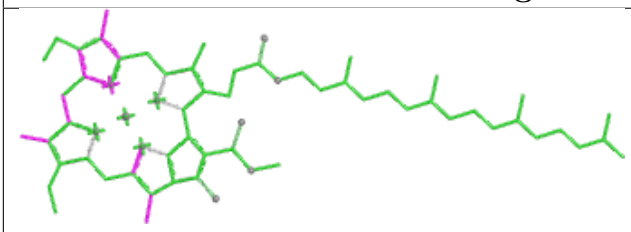


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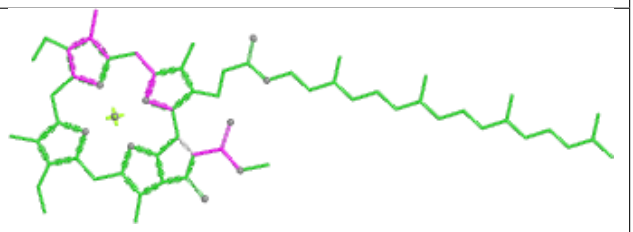


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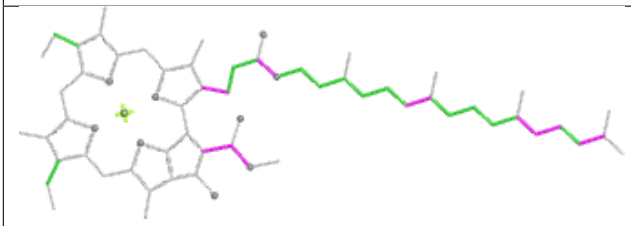
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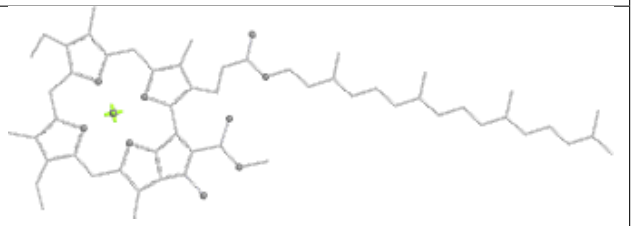
Bond lengths



Bond angles

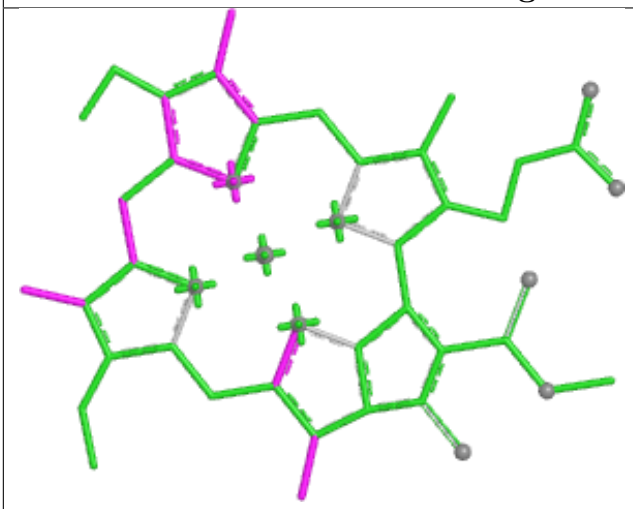


Torsions

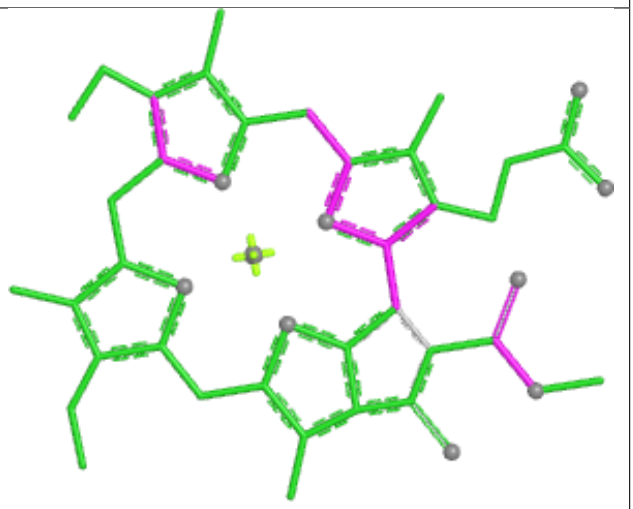


Rings

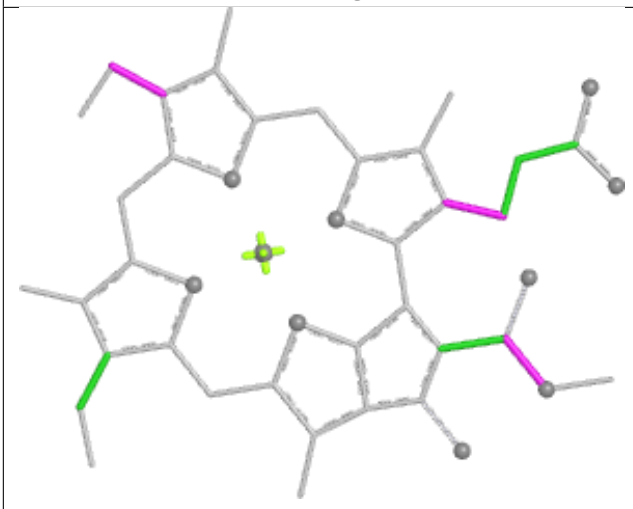
Ligand CLA b 1232



Bond lengths



Bond angles

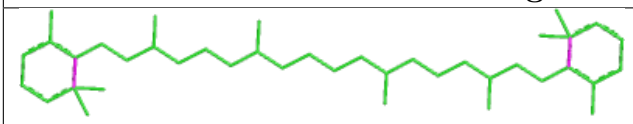


Torsions

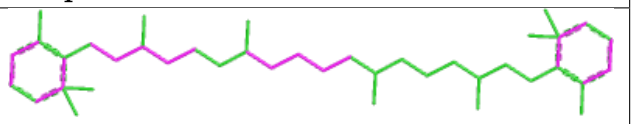


Rings

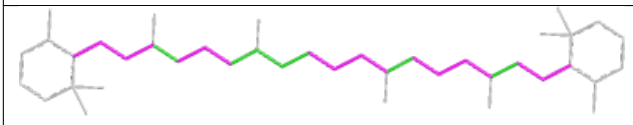
Ligand BCR q 604



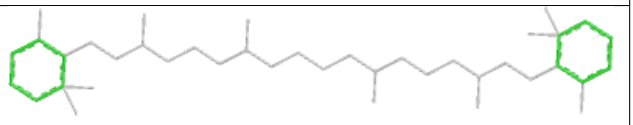
Bond lengths



Bond angles

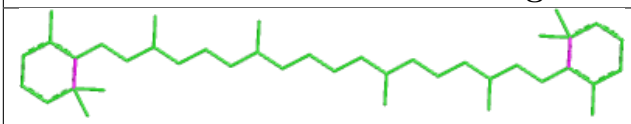


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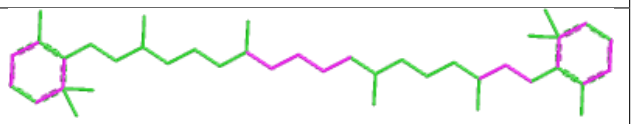


Rings

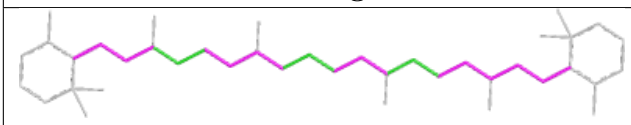
Ligand BCR x 601



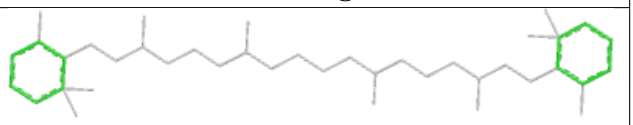
Bond lengths



Bond angles

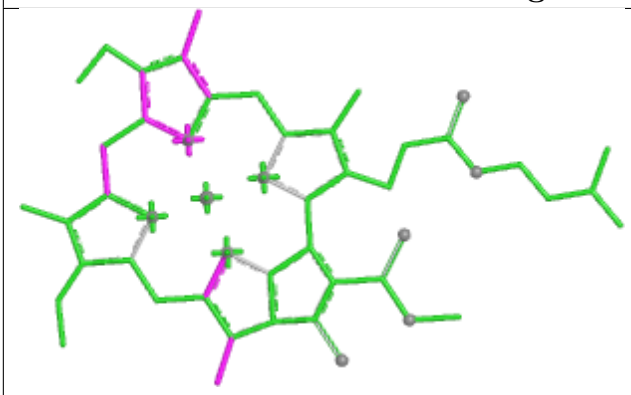


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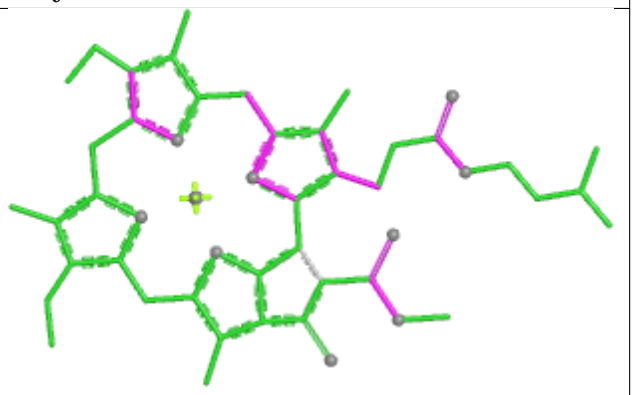


Rings

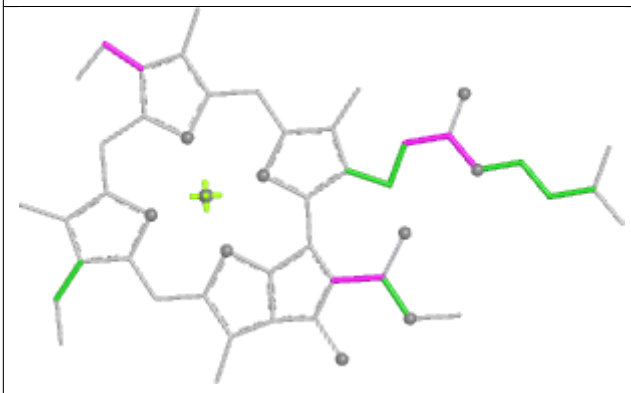
Ligand CLA y 502



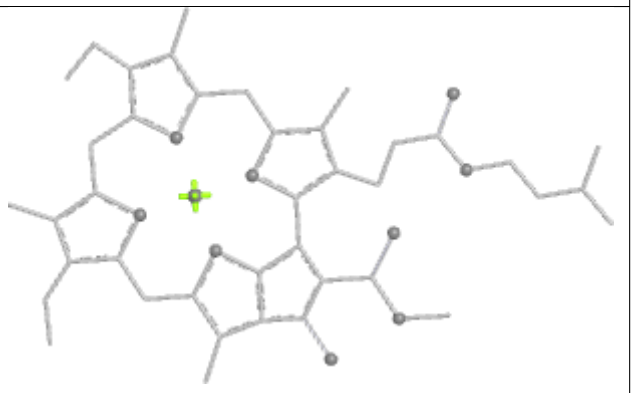
Bond lengths



Bond angles

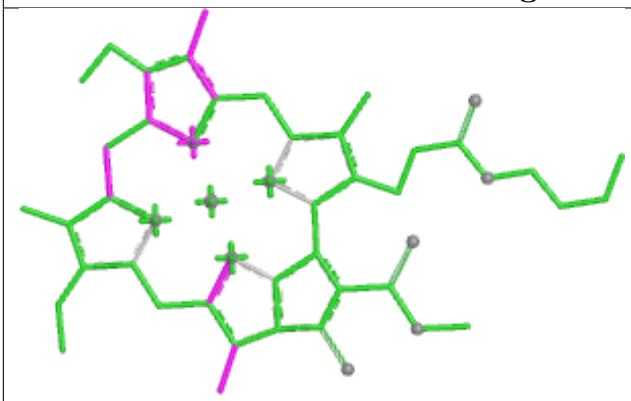


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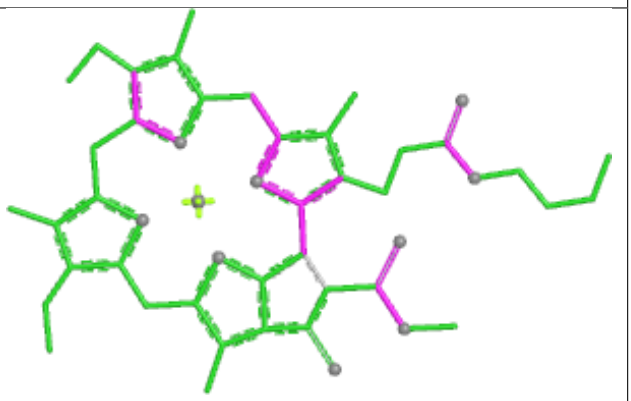


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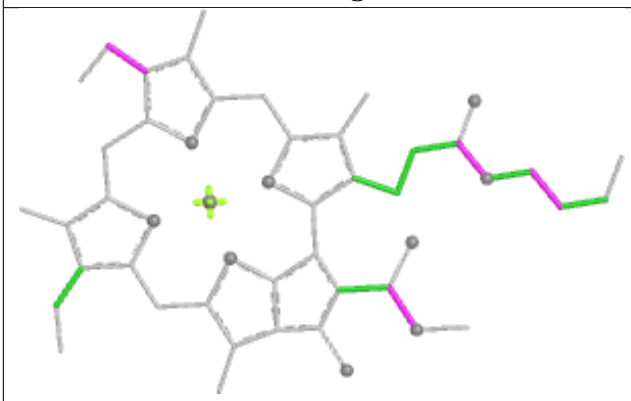
Ligand CLA a 1114



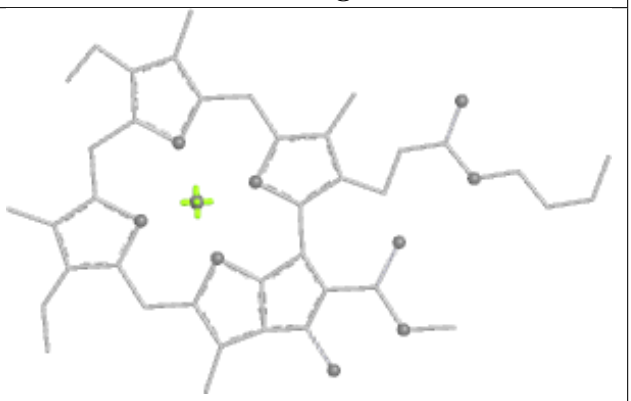
Bond lengths



Bond angles

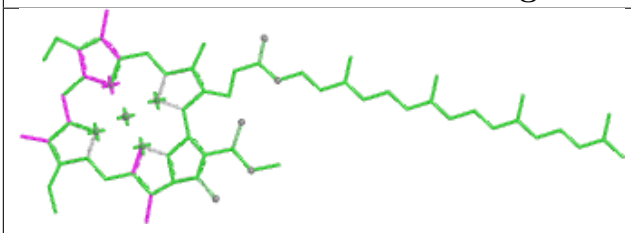


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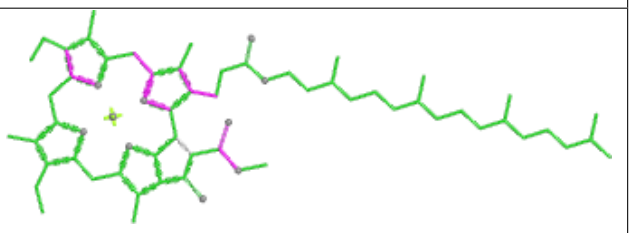


Rings

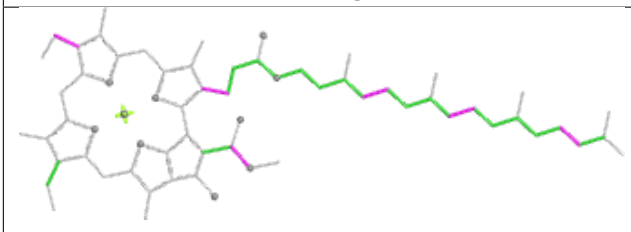
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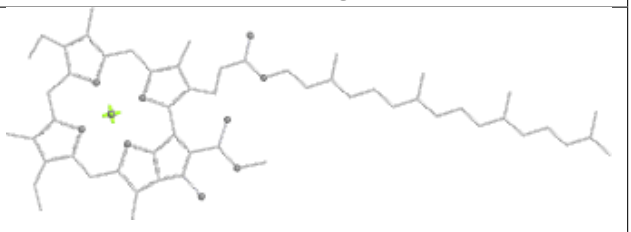
Bond lengths



Bond angles

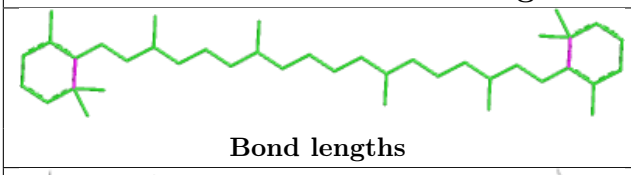


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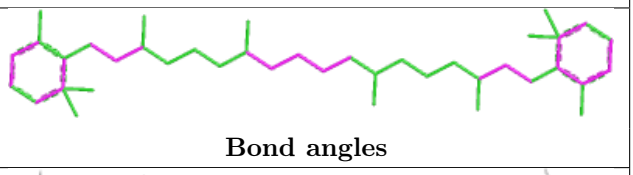


Rings

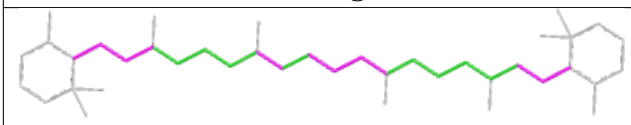
Ligand BCR W 601



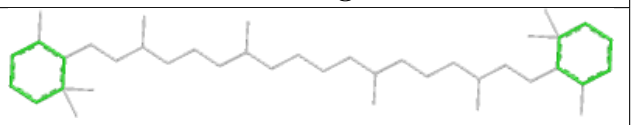
Bond lengths



Bond angles

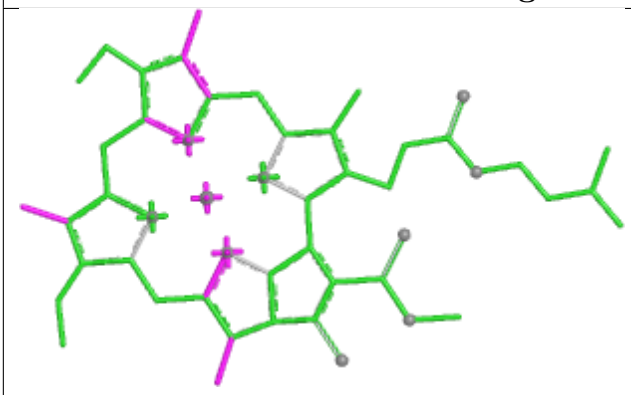


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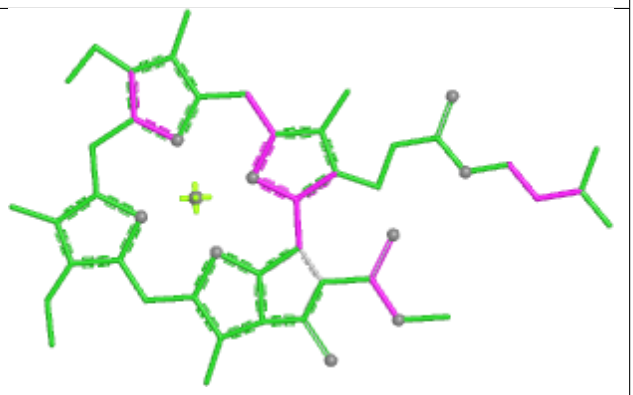


Rings

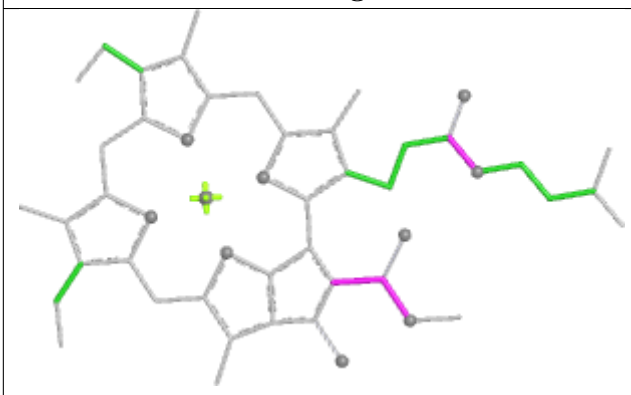
Ligand CLA b 1234



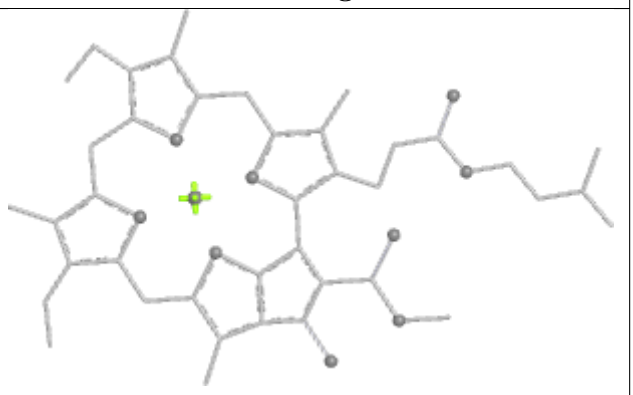
Bond lengths



Bond angles

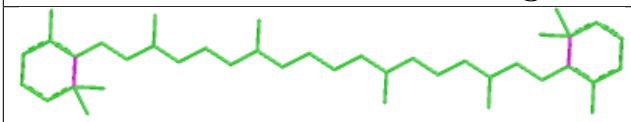


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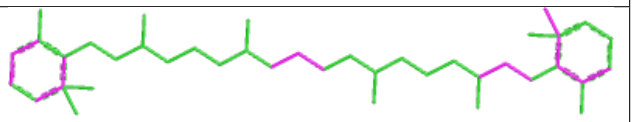


Rings

Ligand BCR w 601



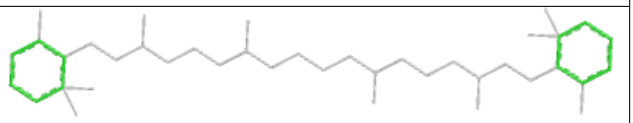
Bond lengths



Bond angles

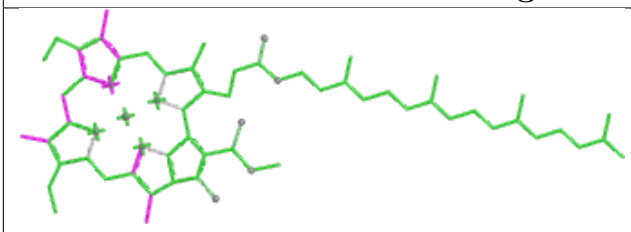


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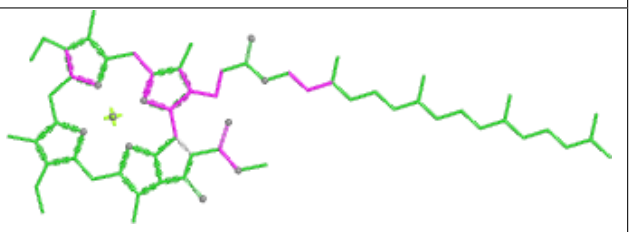


Rings

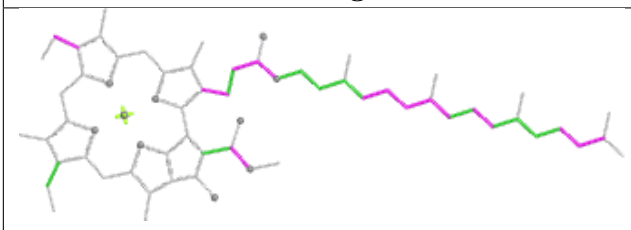
Ligand CLA L 1501



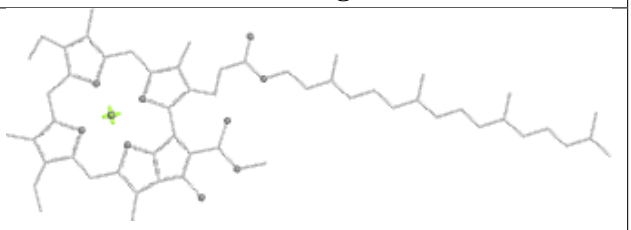
Bond lengths



Bond angles



Torsions

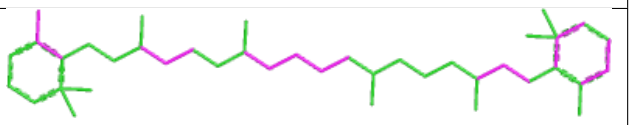


Rings

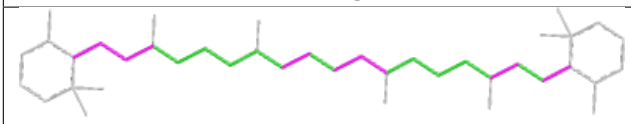
Ligand BCR H 4008



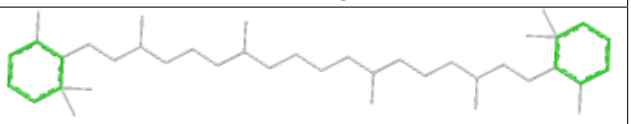
Bond lengths



Bond angles

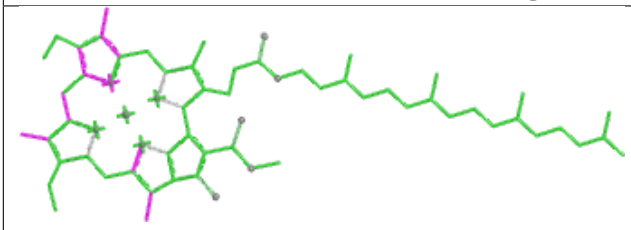


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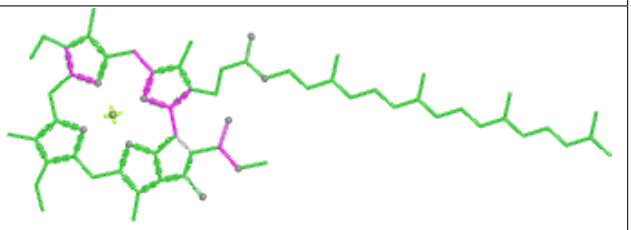


Rings

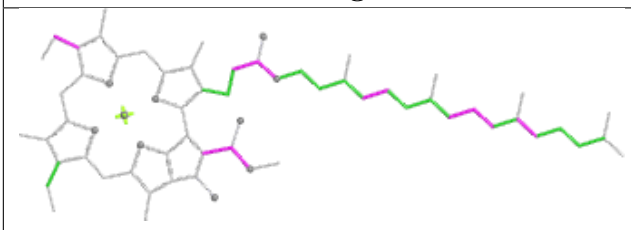
Ligand CLA w 507



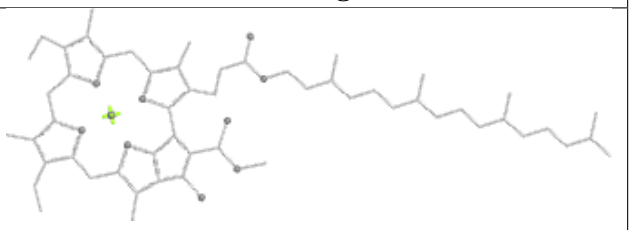
Bond lengths



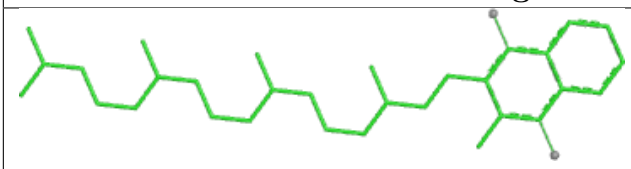
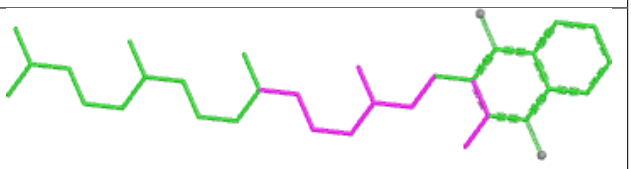
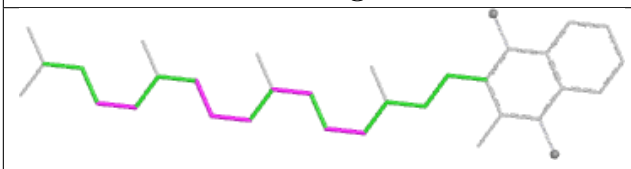
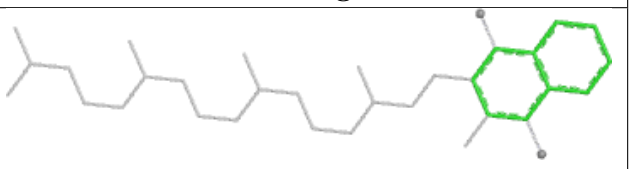
Bond angles

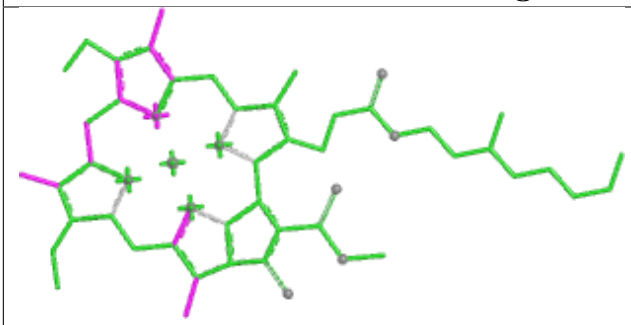
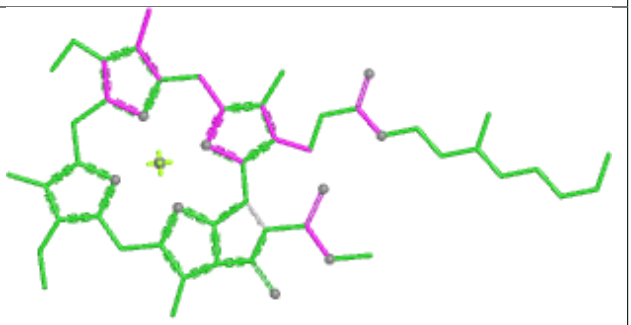
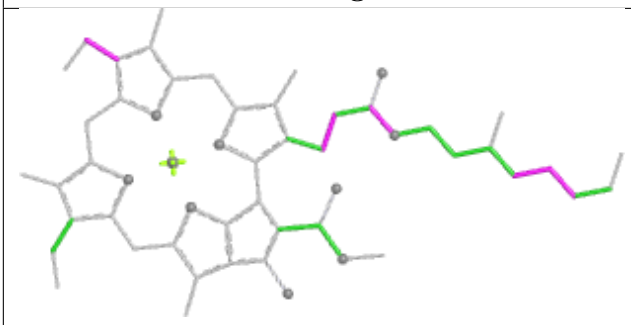
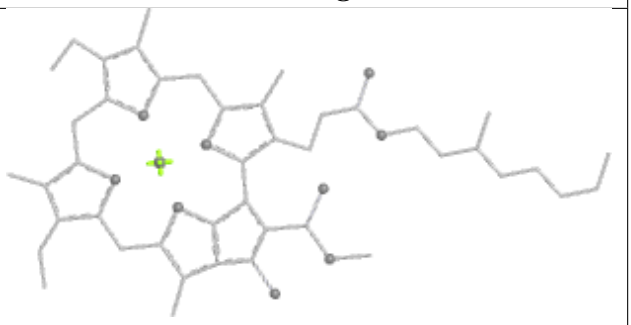


Torsions

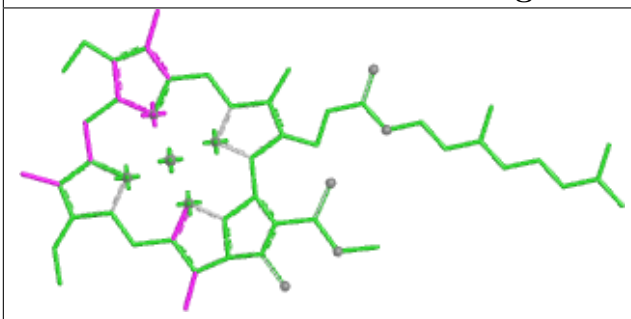


Rings

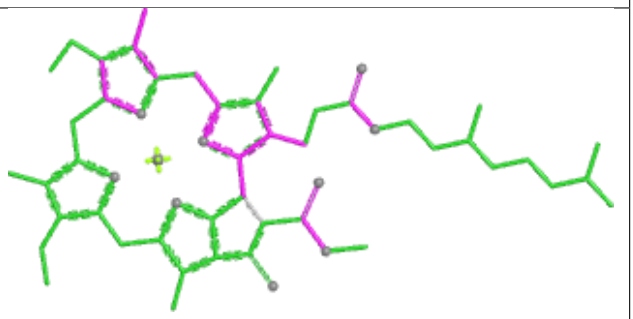
Ligand PQN A 2001	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA H 1115	
	
Bond lengths	Bond angles
	
Torsions	Rings

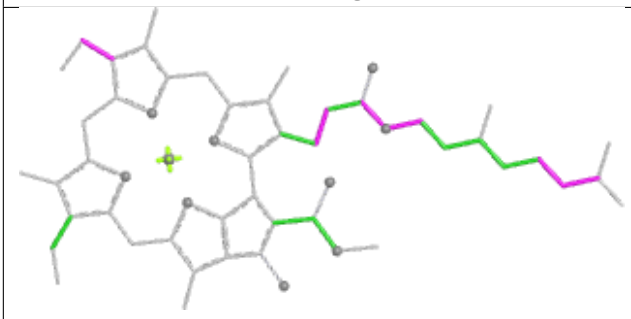
Ligand CLA B 1228



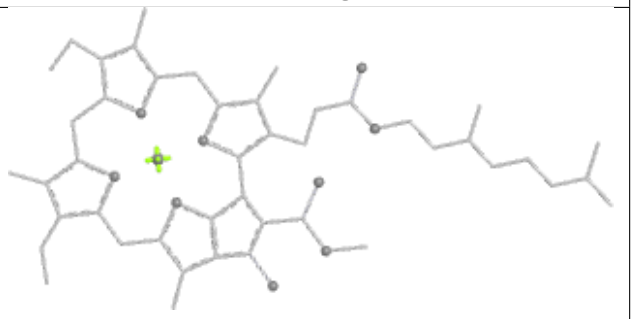
Bond lengths



Bond angles

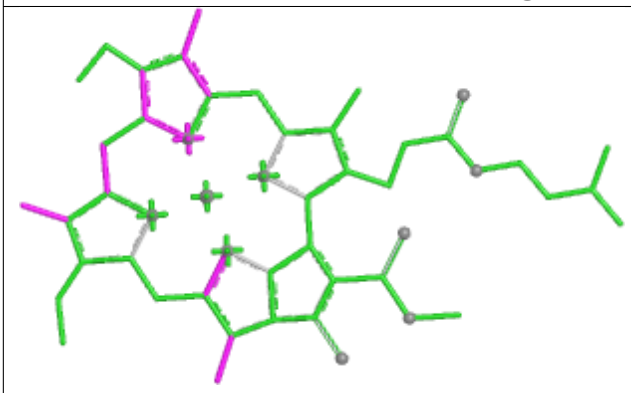


Torsions

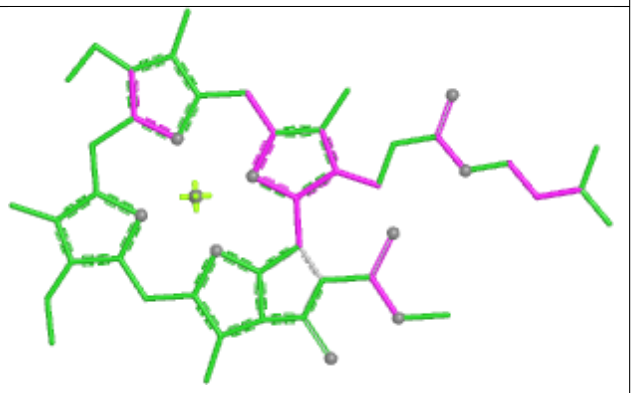


Rings

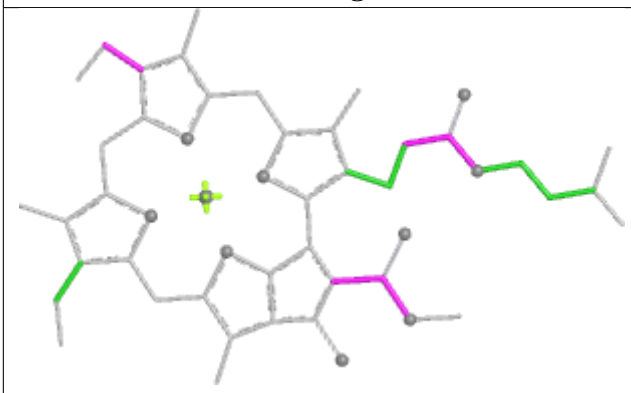
Ligand CLA W 514



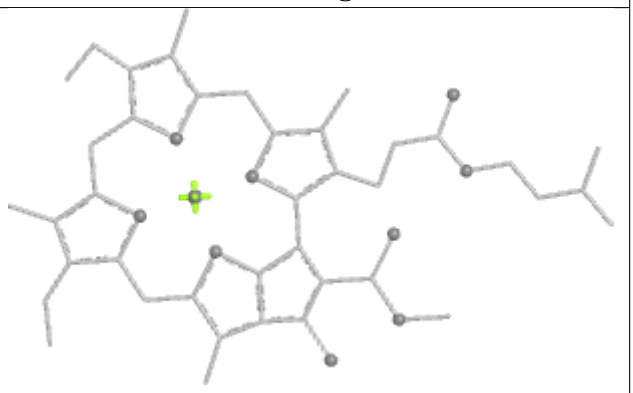
Bond lengths



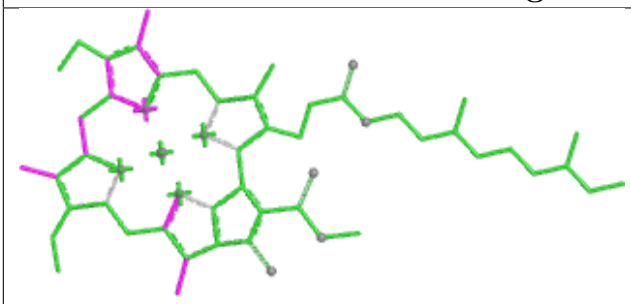
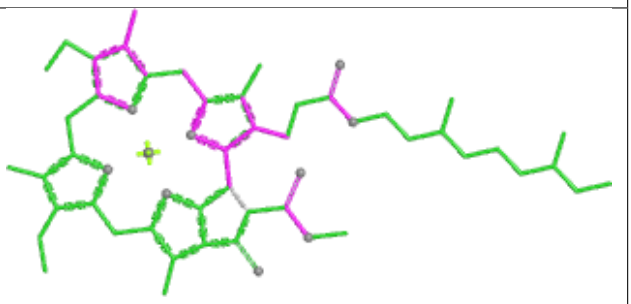
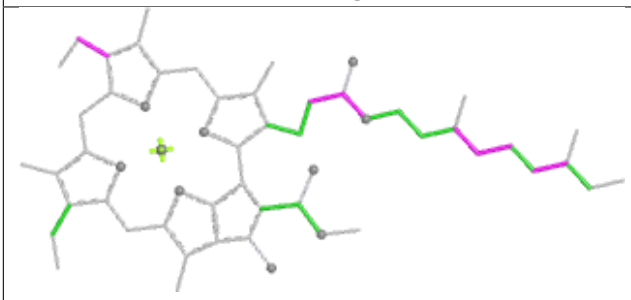
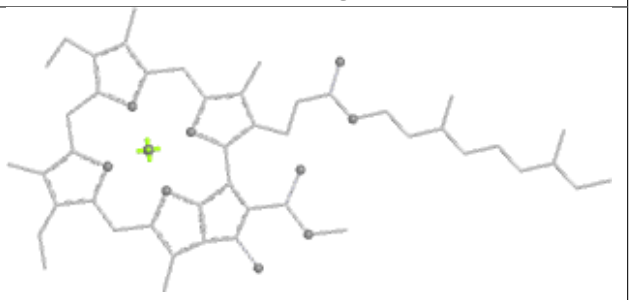
Bond angles

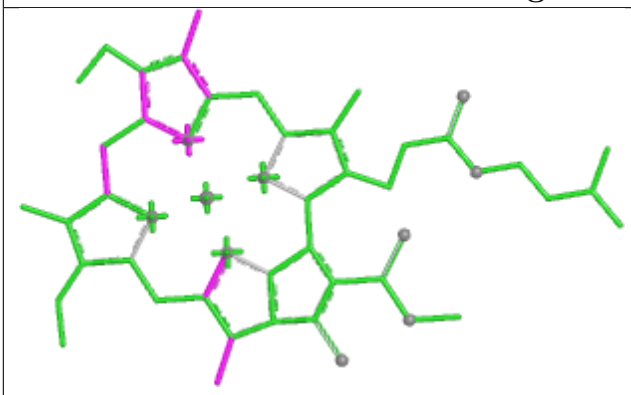
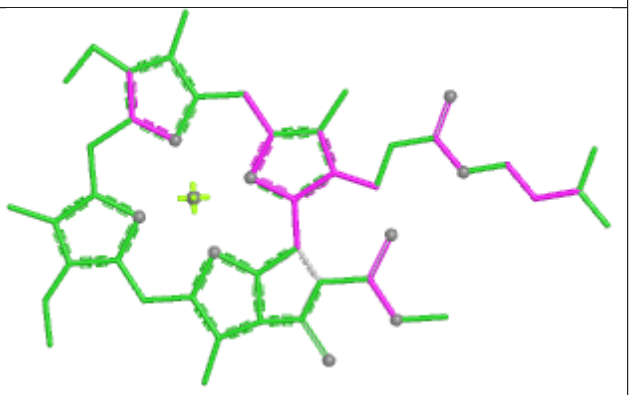
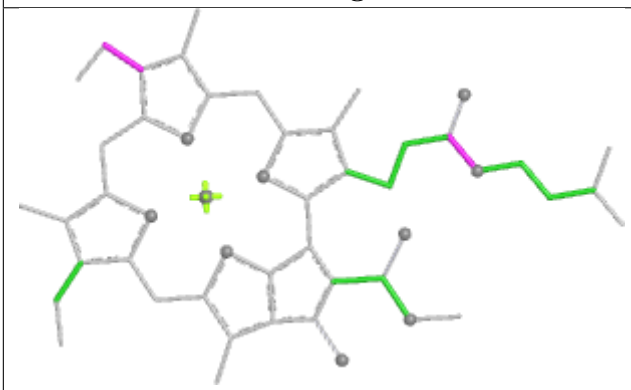
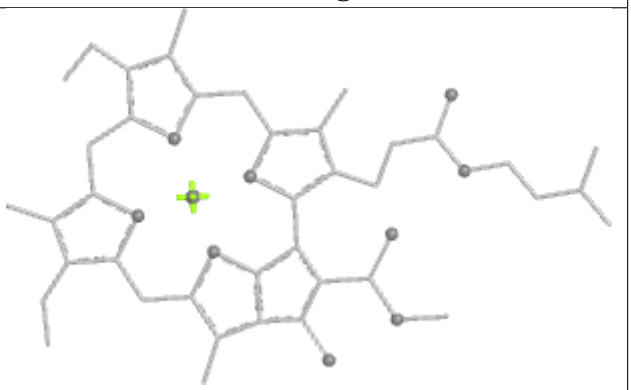


Torsions

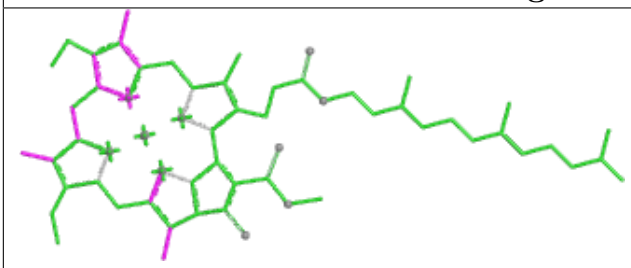


Rings

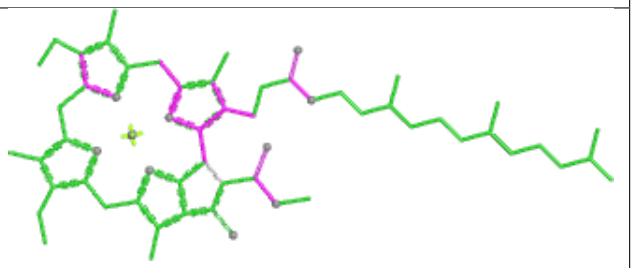
Ligand CLA Z 509	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA h 513	
	
Bond lengths	Bond angles
	
Torsions	Rings

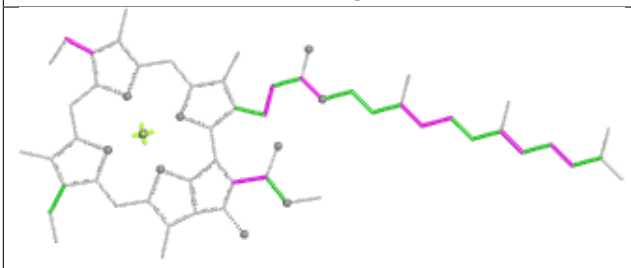
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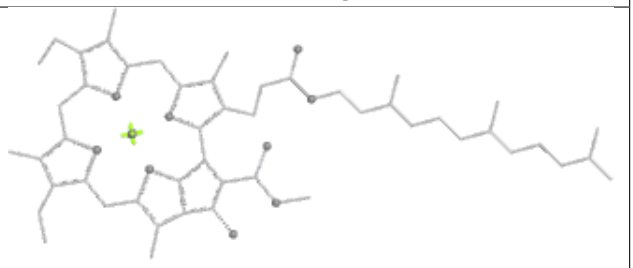
Bond lengths



Bond angles

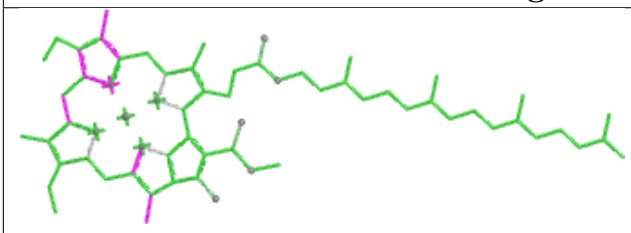


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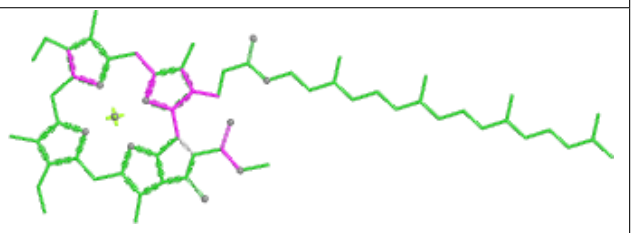


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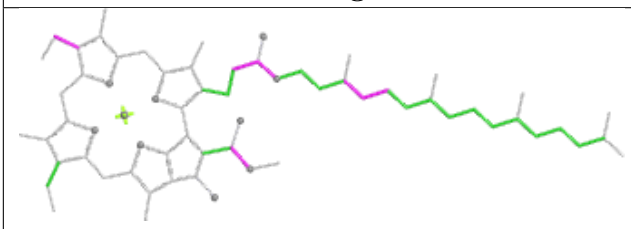
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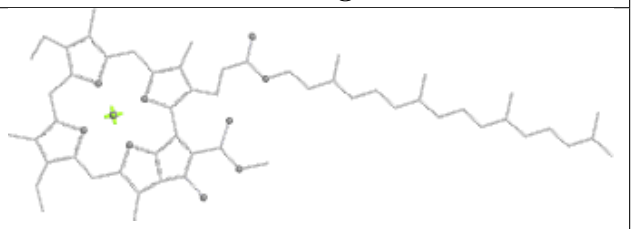
Bond lengths



Bond angles



Torsions

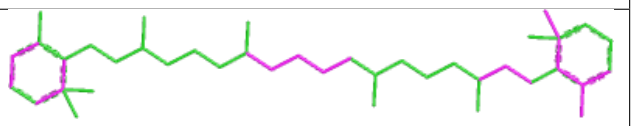


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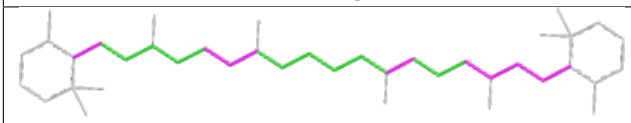
Ligand BCR B 4009



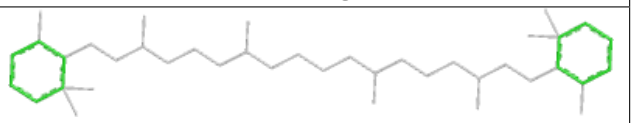
Bond lengths



Bond angles

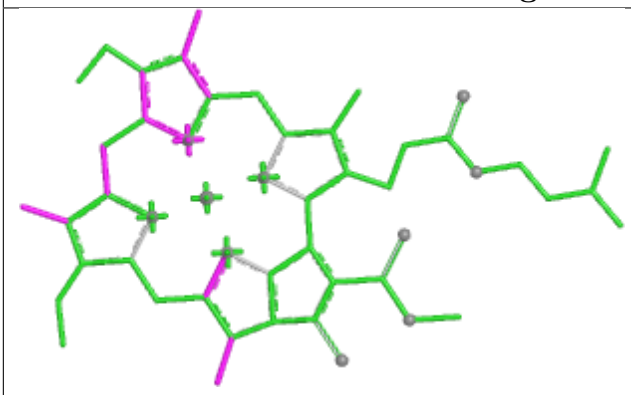


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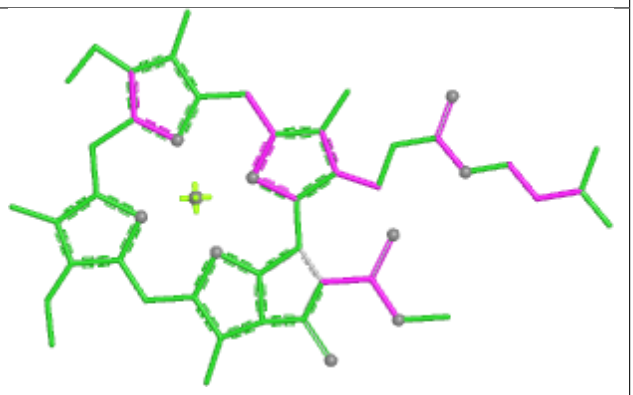


Rings

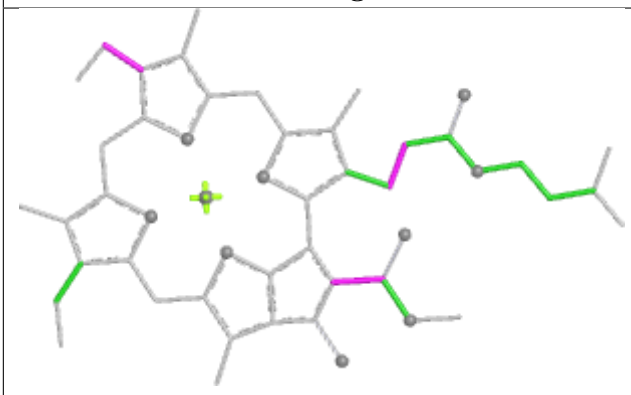
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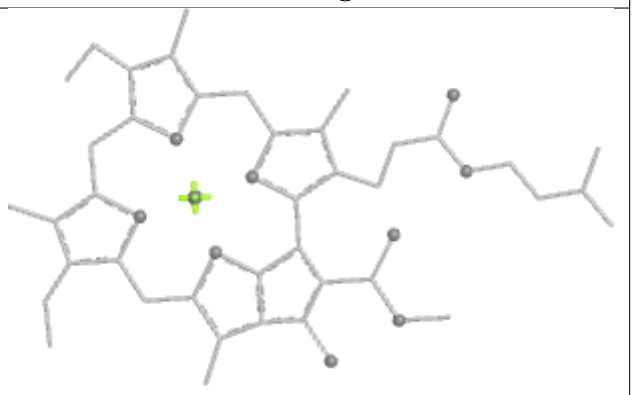
Bond lengths



Bond angles

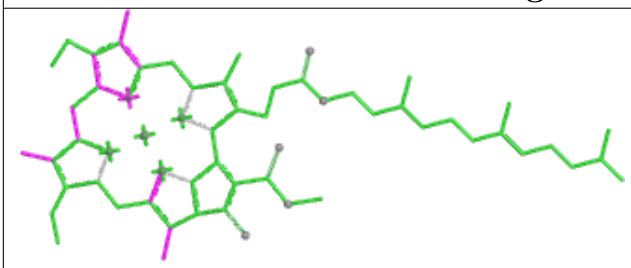


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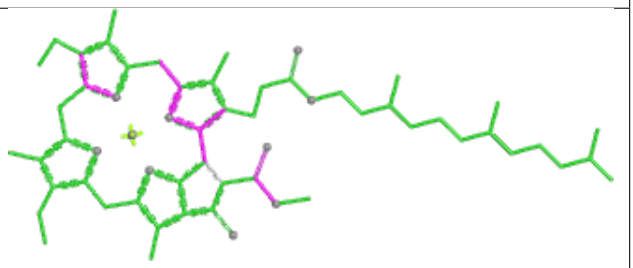


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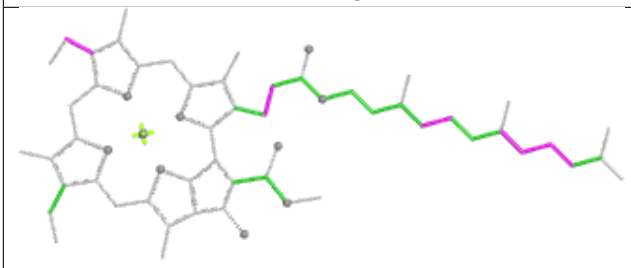
Ligand CLA Z 504



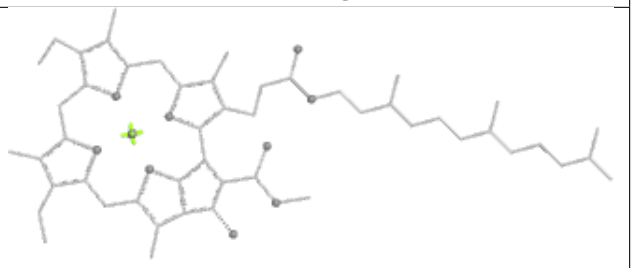
Bond lengths



Bond angles

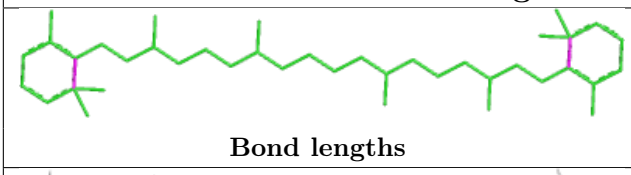


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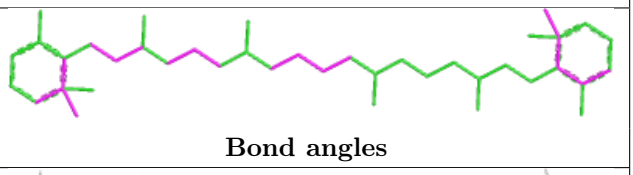


Rings

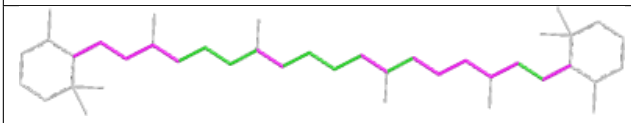
Ligand BCR A 4011



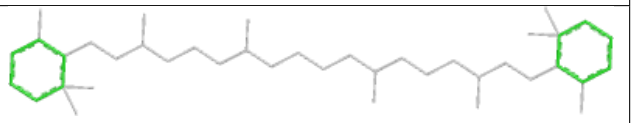
Bond lengths



Bond angles

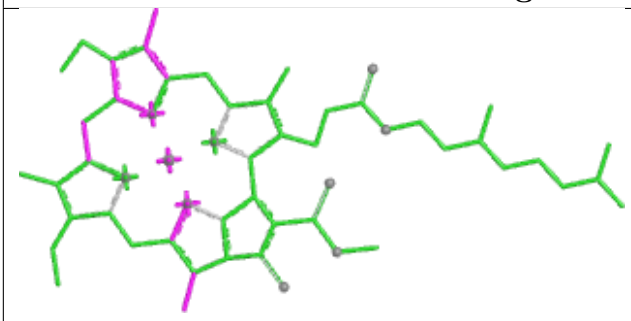


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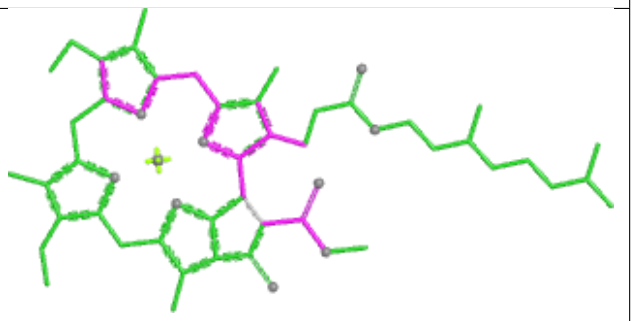


Rings

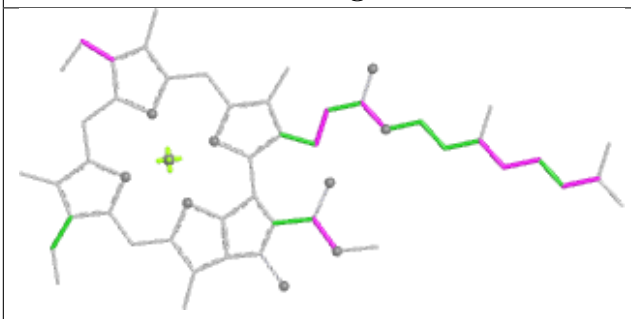
Ligand CLA B 1214



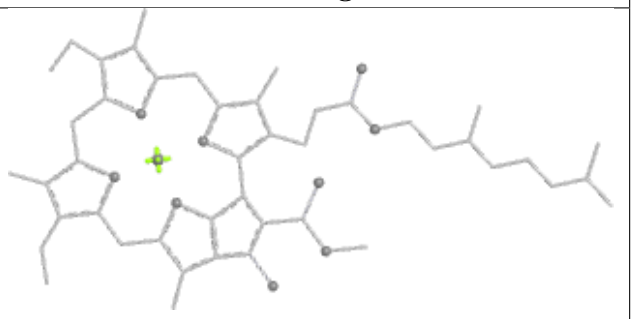
Bond lengths



Bond angles

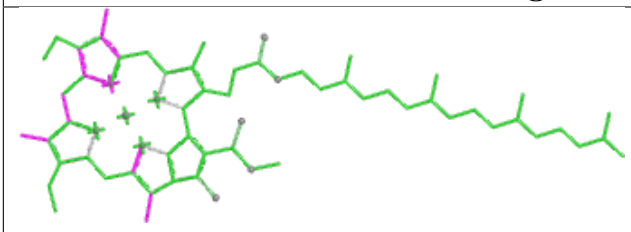


Torsions

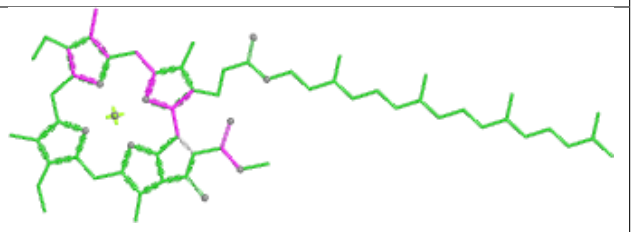


Rings

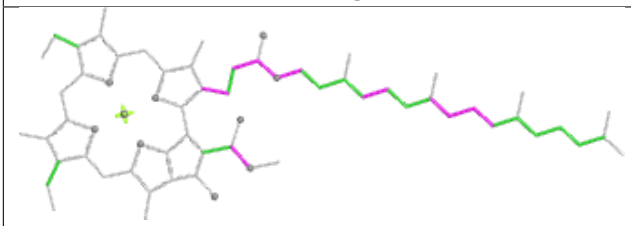
Ligand CLA n 511



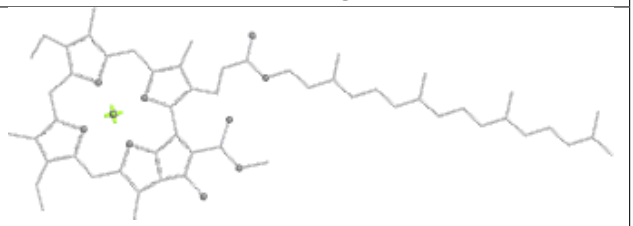
Bond lengths



Bond angles

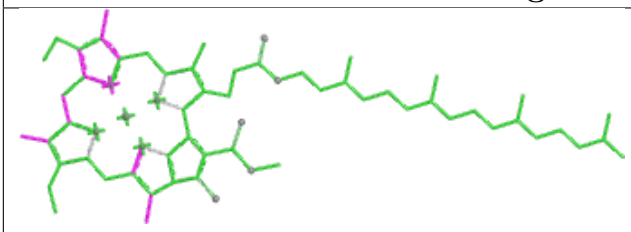


Torsions

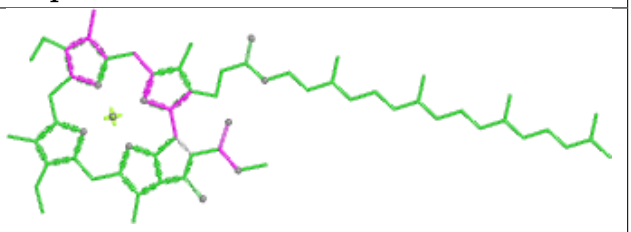


Rings

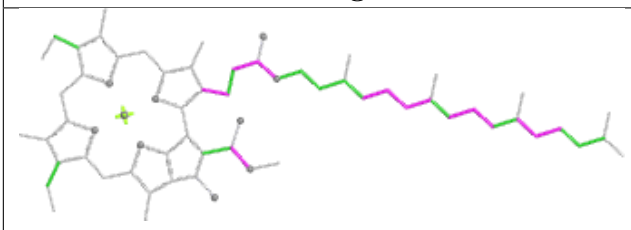
Ligand CLA p 511



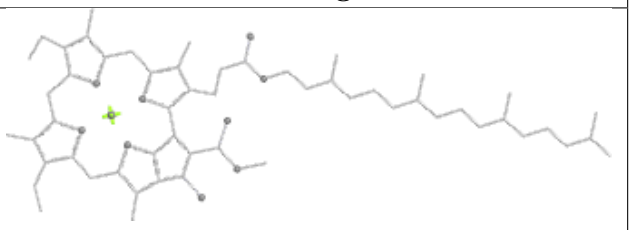
Bond lengths



Bond angles

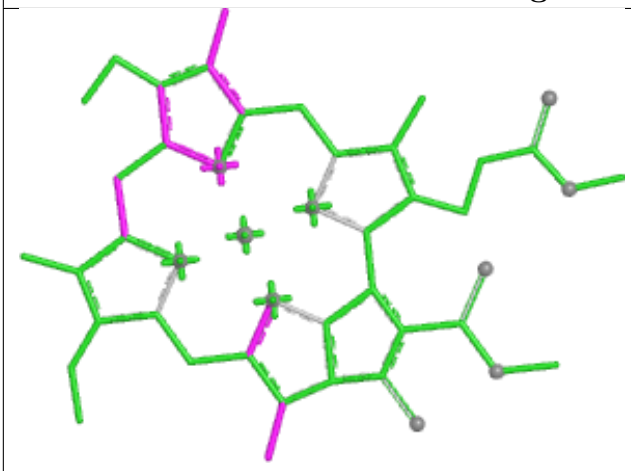


Torsions

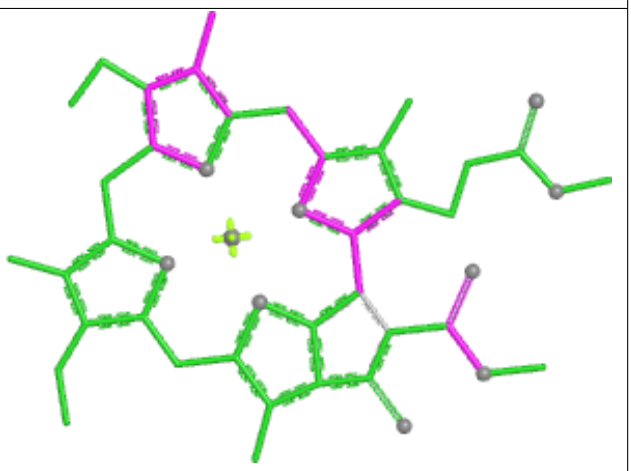


Rings

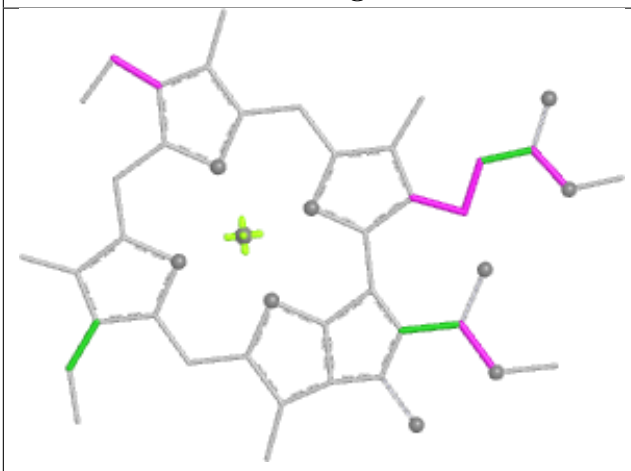
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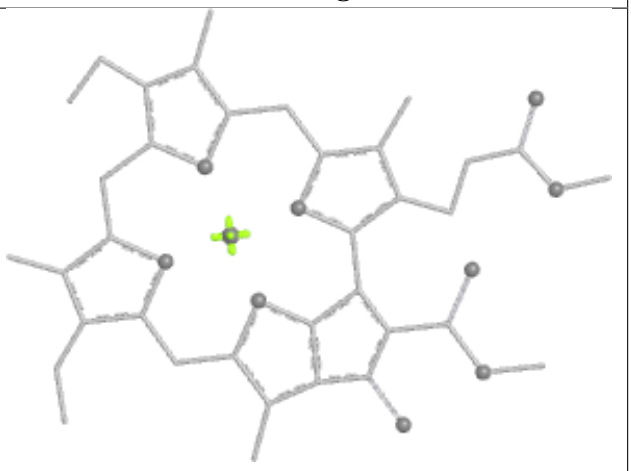
Bond lengths



Bond angles

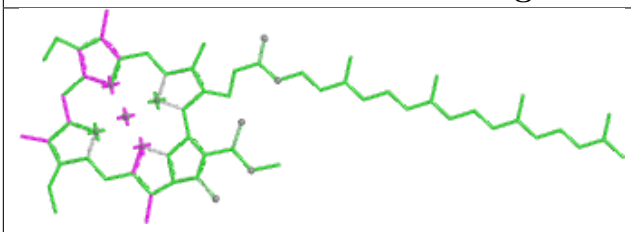


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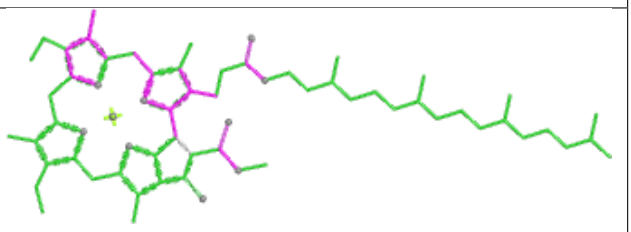


Rings

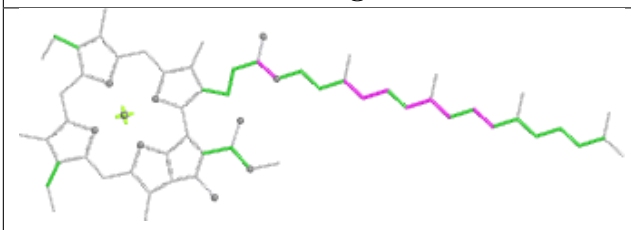
Ligand CLA A 1125



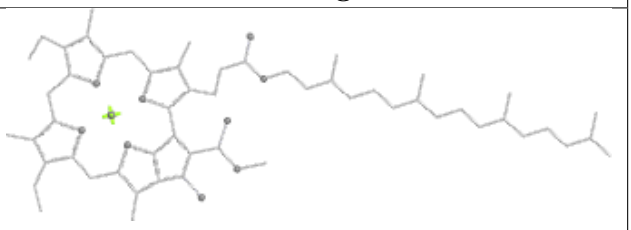
Bond lengths



Bond angles



Torsions

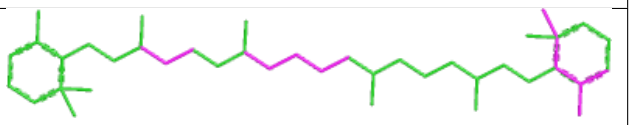


Rings

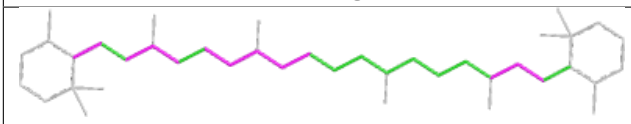
Ligand BCR H 4003



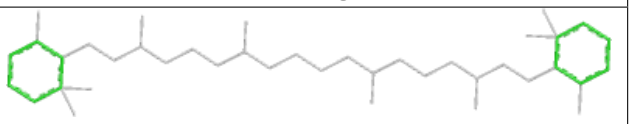
Bond lengths



Bond angles

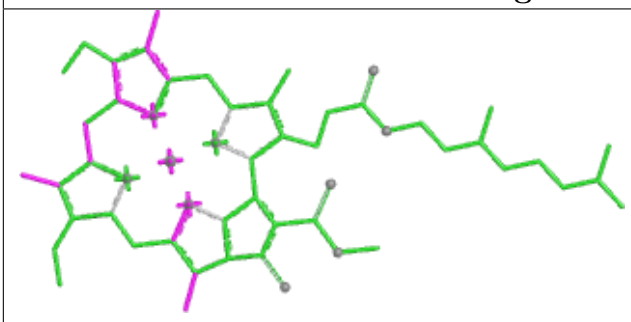


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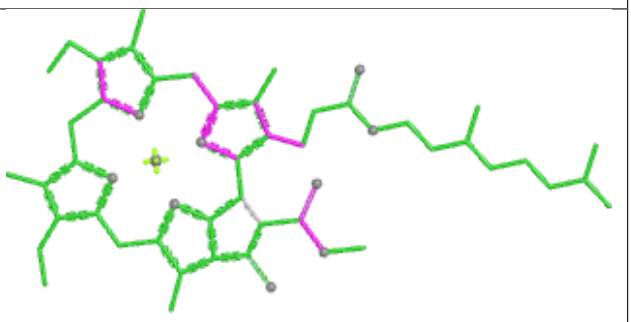


Rings

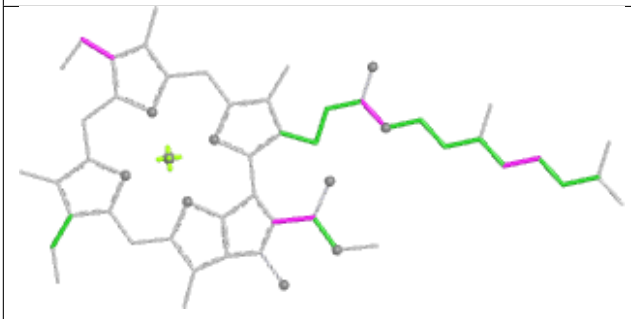
Ligand CLA H 1118



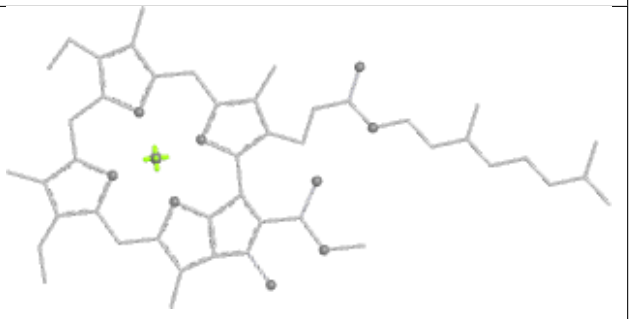
Bond lengths



Bond angles

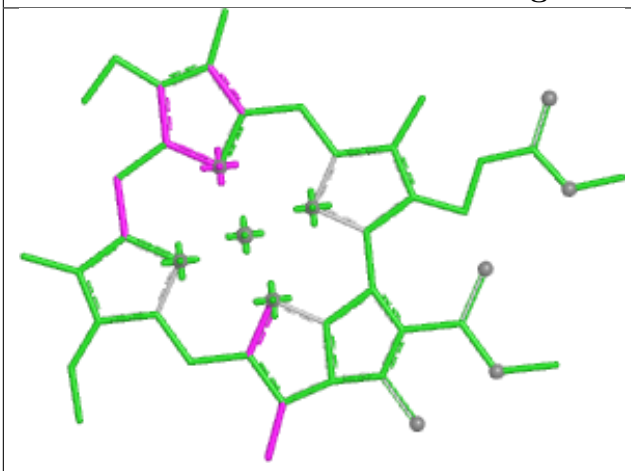


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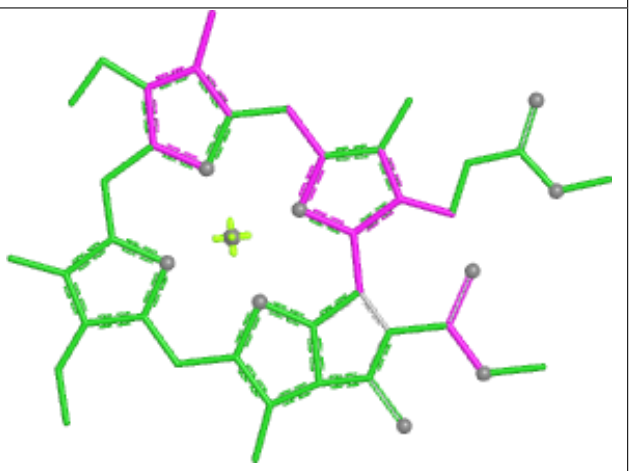


Rings

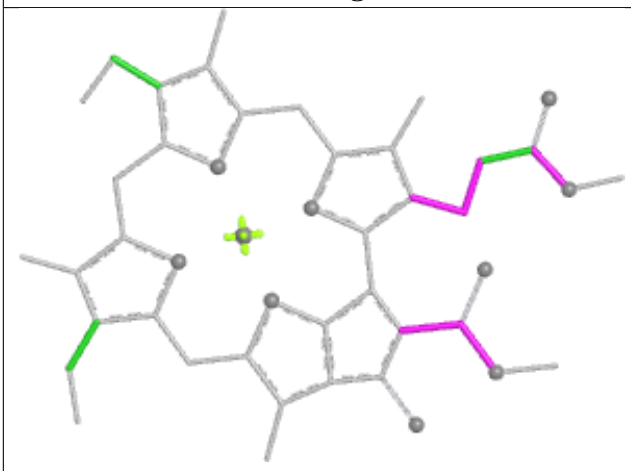
Ligand CLA t 503



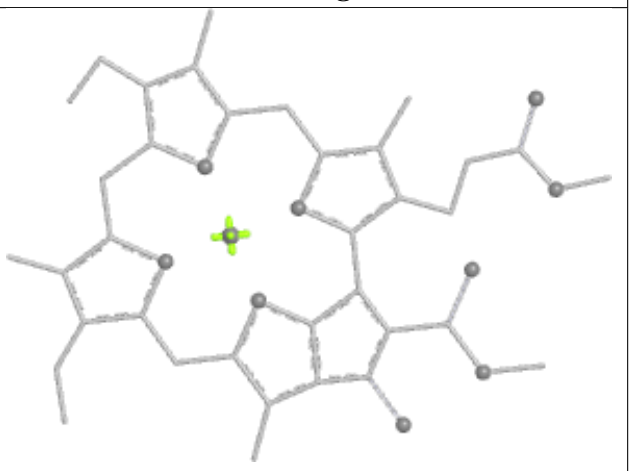
Bond lengths



Bond angles

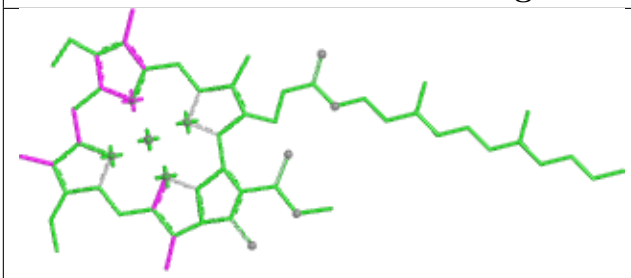


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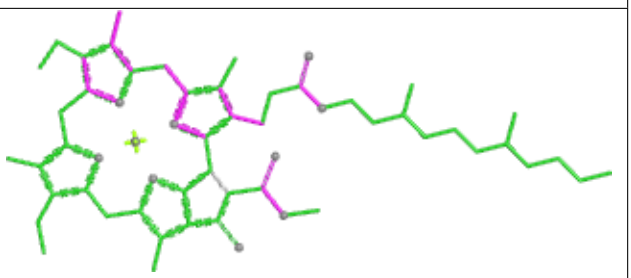


Rings

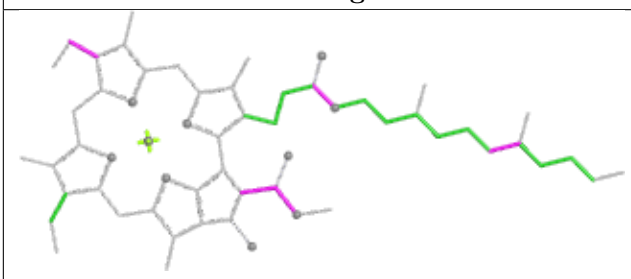
Ligand CLA A 1105



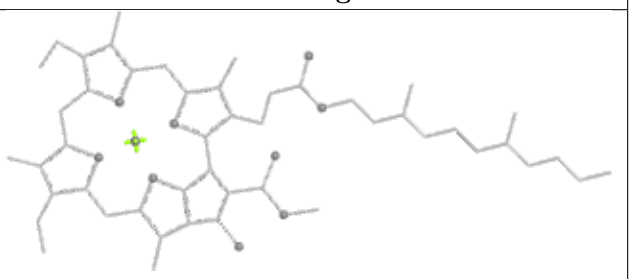
Bond lengths



Bond angles

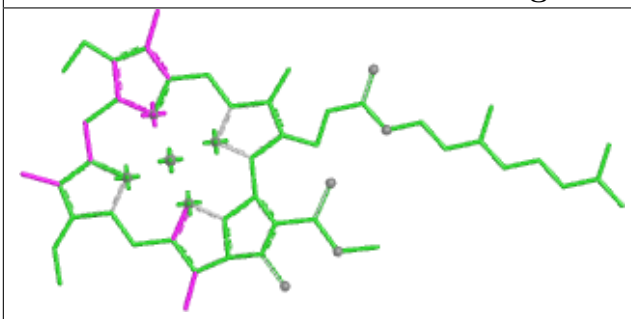


Torsions

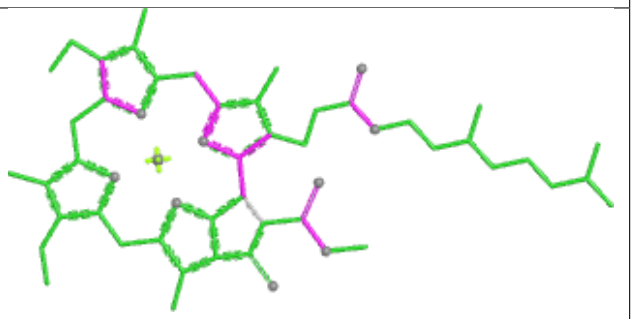


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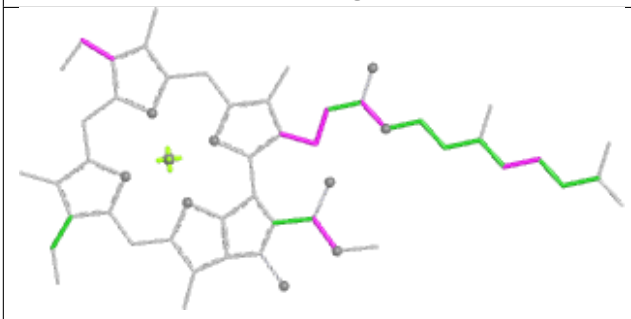
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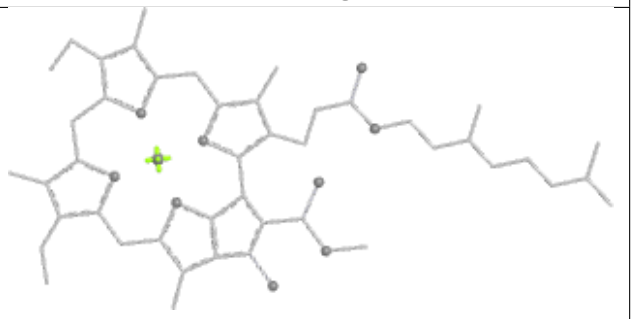
Bond lengths



Bond angles

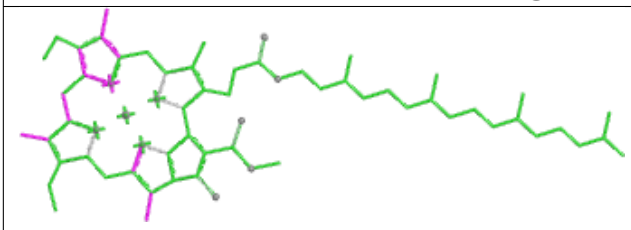


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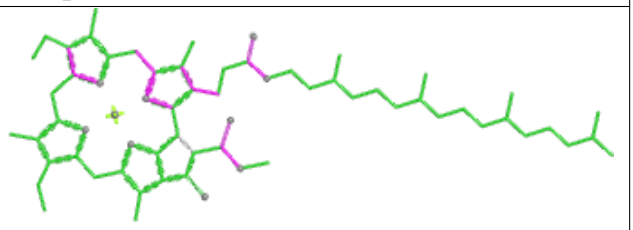


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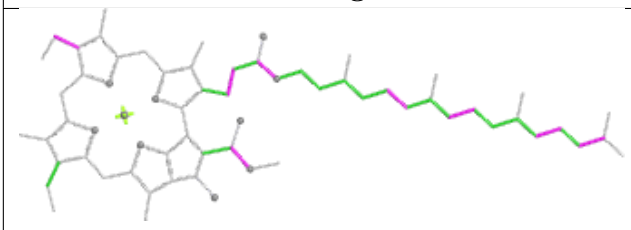
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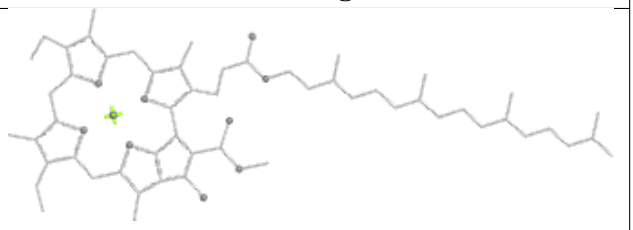
Bond lengths



Bond angles

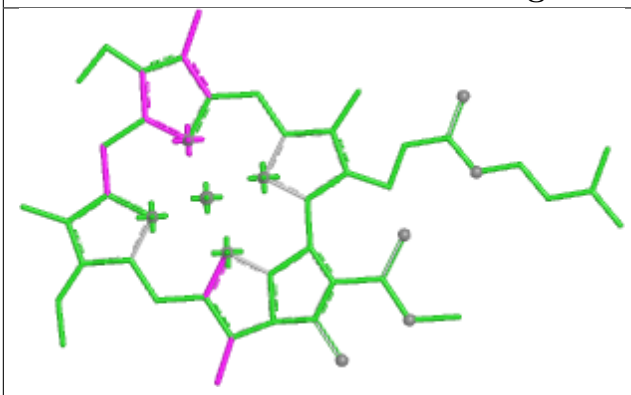


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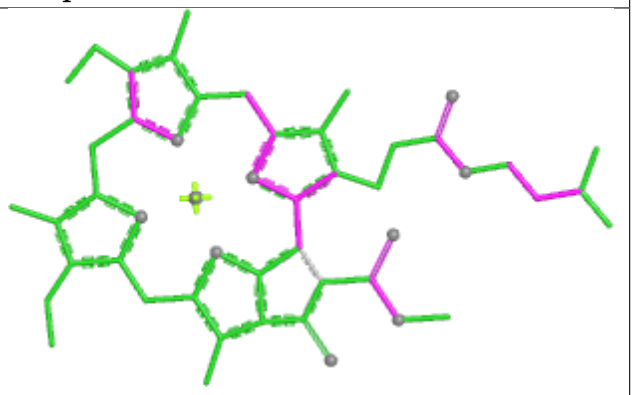


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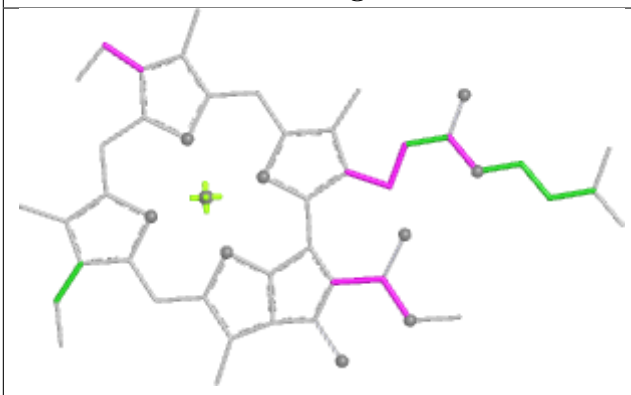
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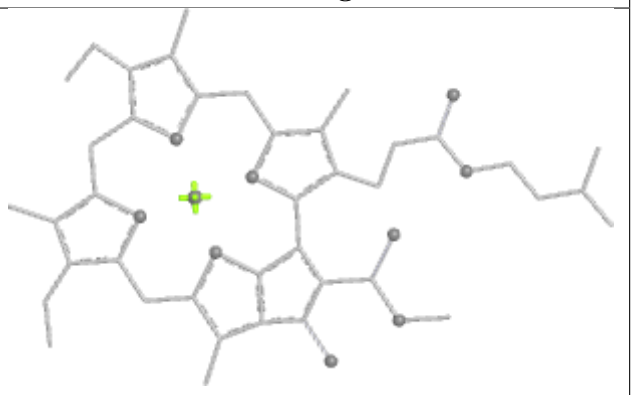
Bond lengths



Bond angles

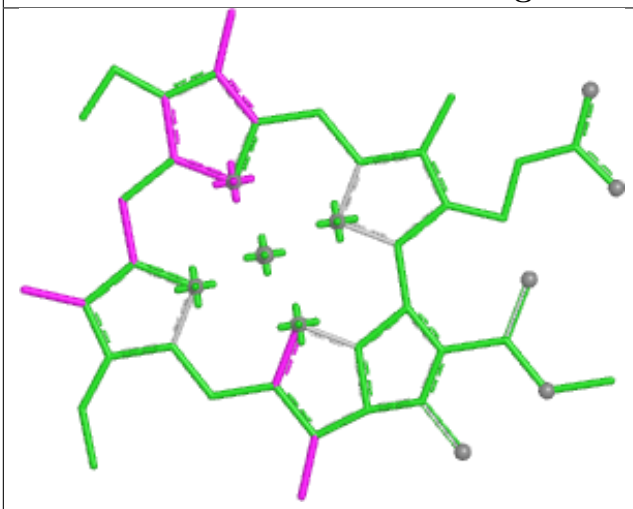


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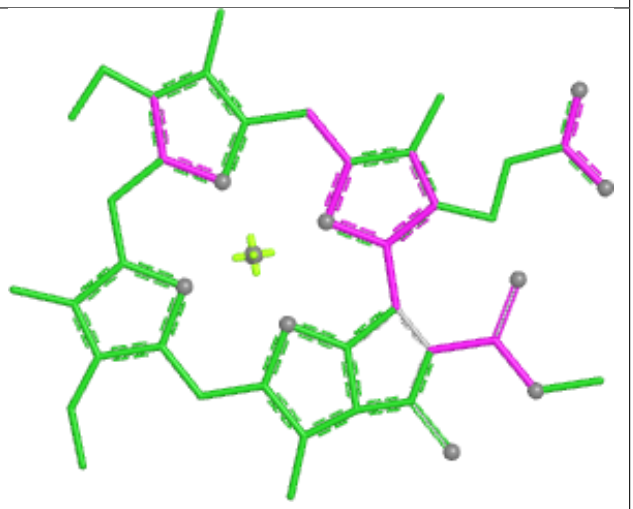


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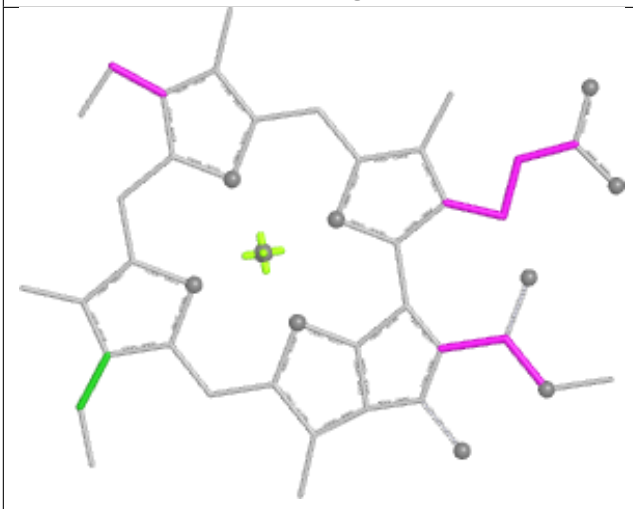
Ligand CLA A 1134



Bond lengths



Bond angles

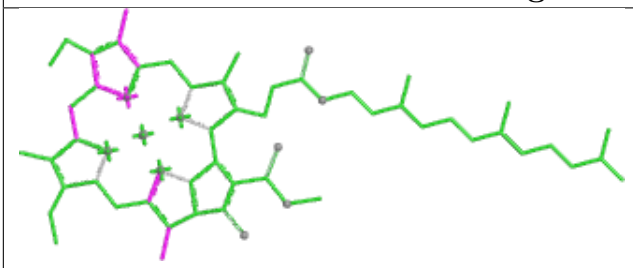


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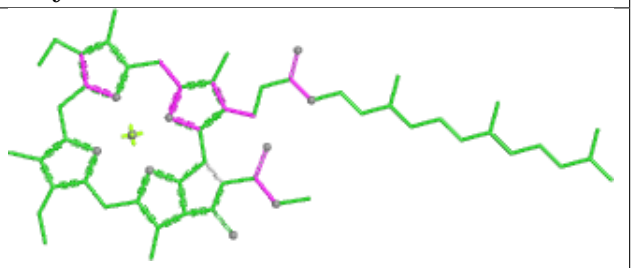


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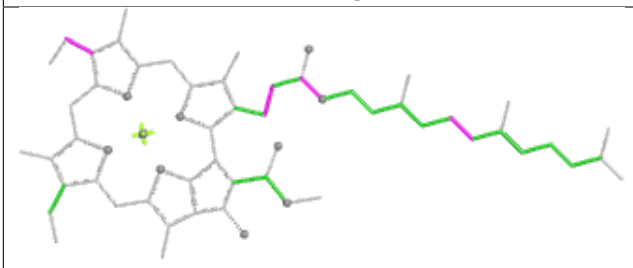
Ligand CLA y 515



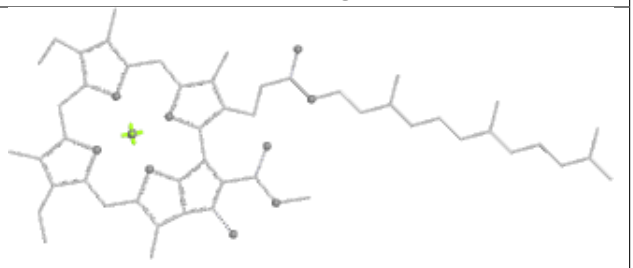
Bond lengths



Bond angles

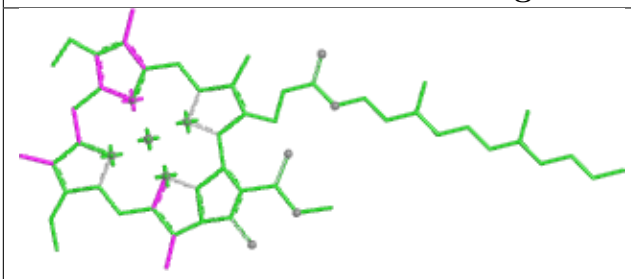


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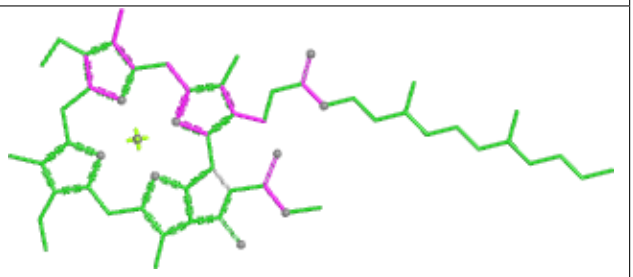


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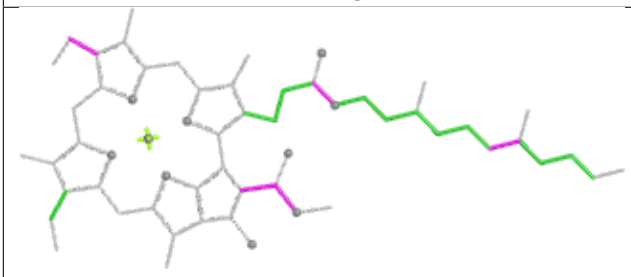
Ligand CLA H 1105



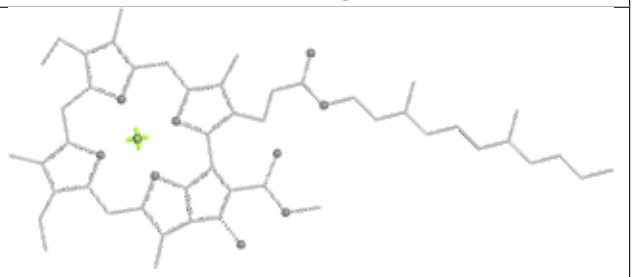
Bond lengths



Bond angles

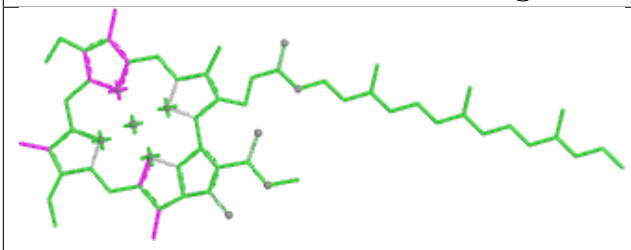


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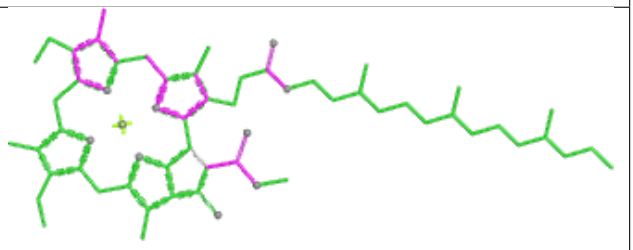


Rings

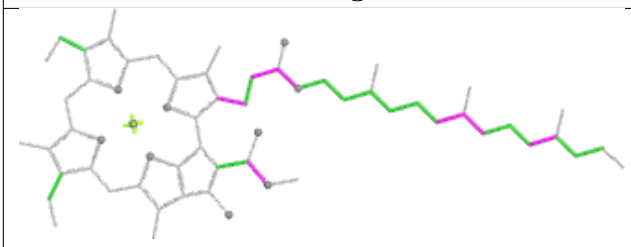
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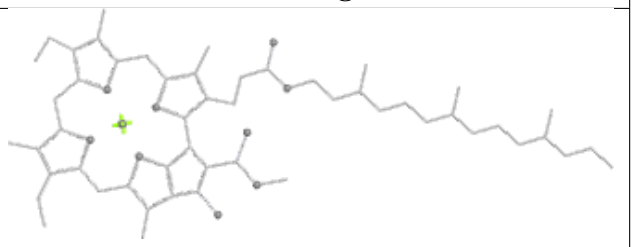
Bond lengths



Bond angles

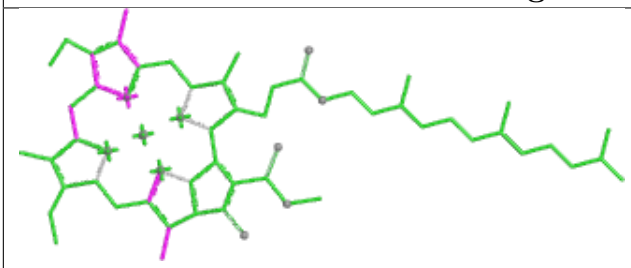


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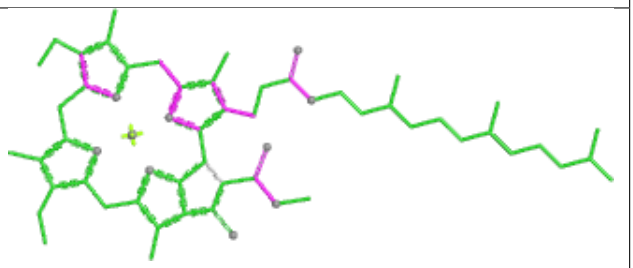


Rings

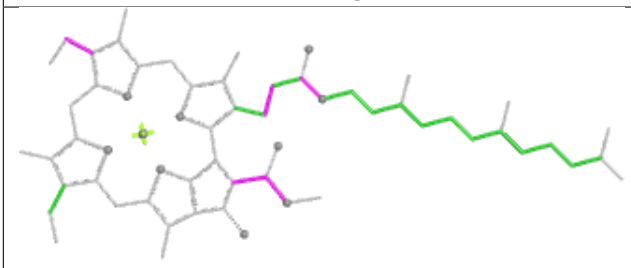
Ligand CLA v 515



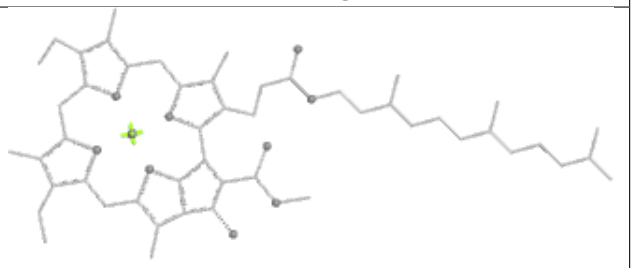
Bond lengths



Bond angles

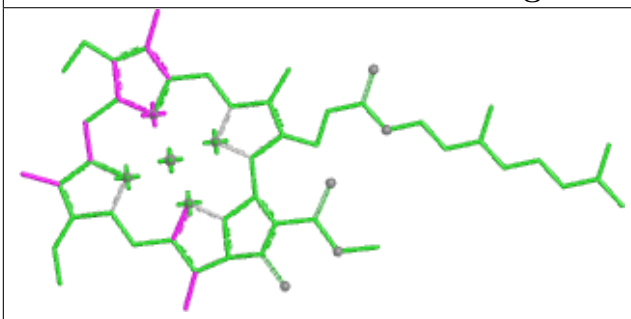


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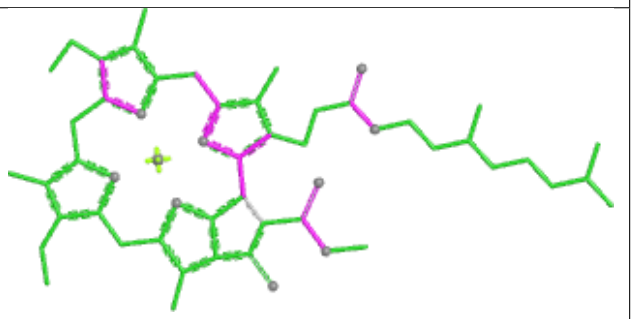


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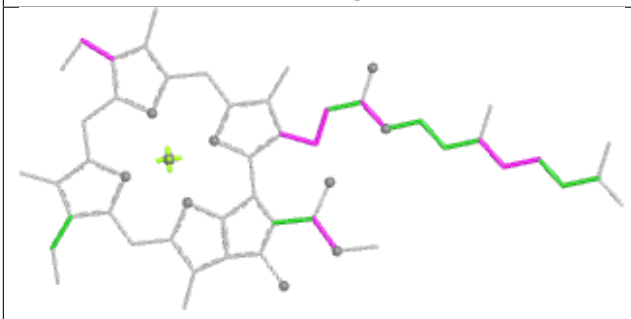
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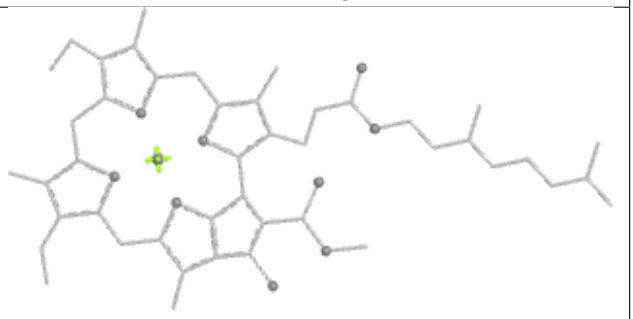
Bond lengths



Bond angles



Torsions

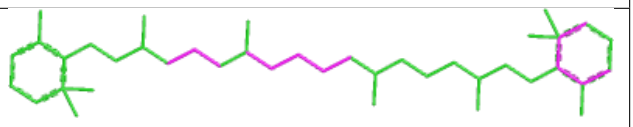


Rings

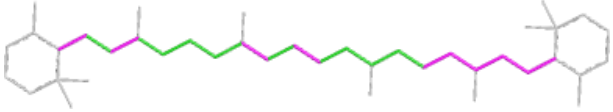
Ligand BCR G 4014



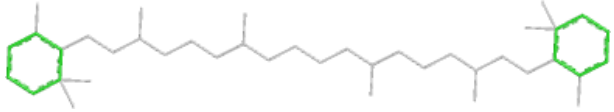
Bond lengths



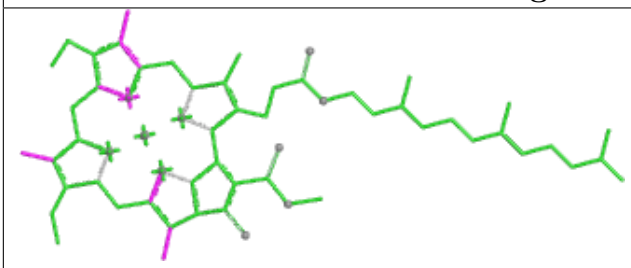
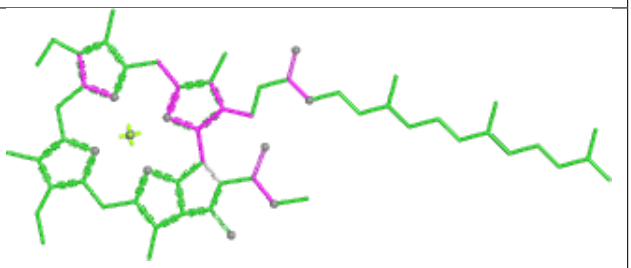
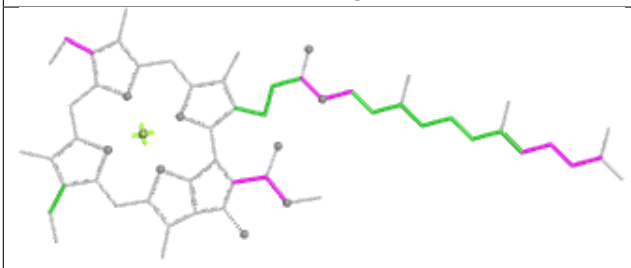
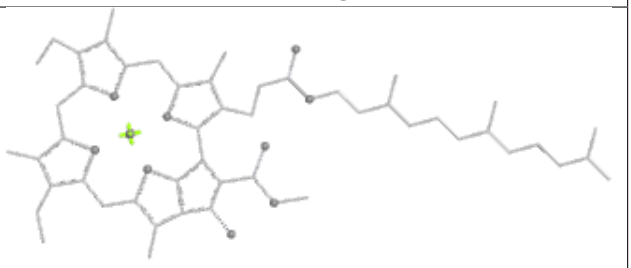
Bond angles

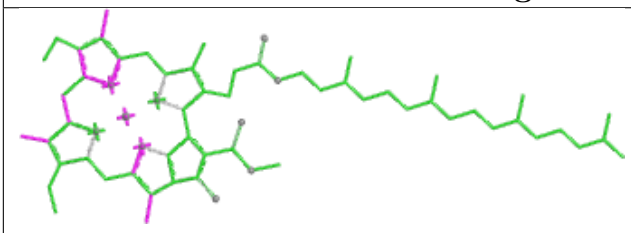
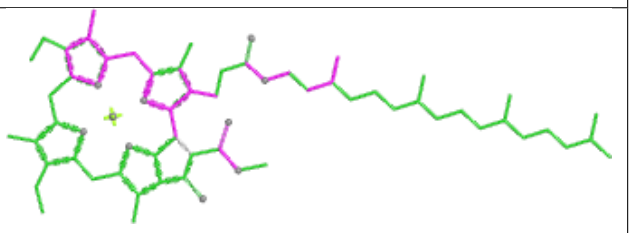
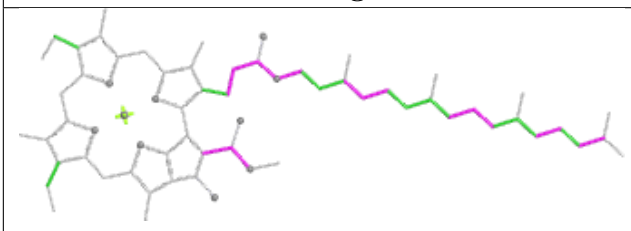
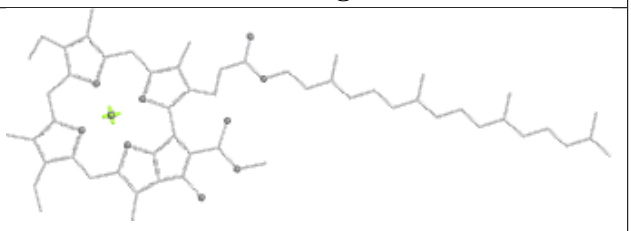


Torsions

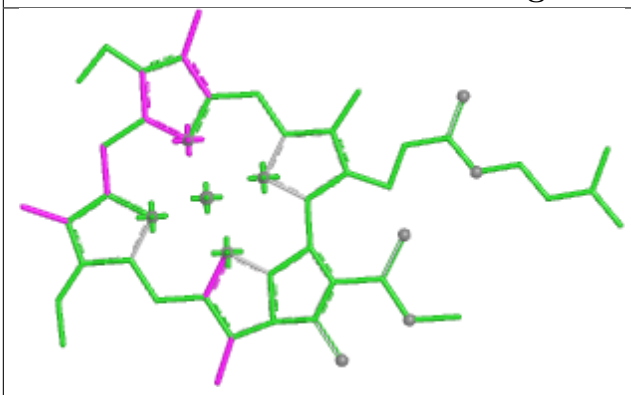


Rings

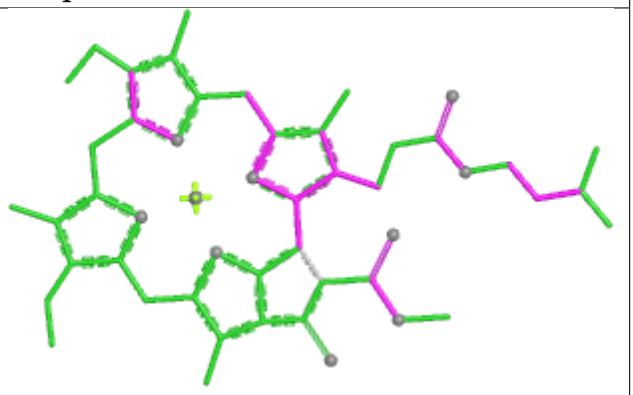
Ligand CLA s 506	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA H 1013	
	
Bond lengths	Bond angles
	
Torsions	Rings

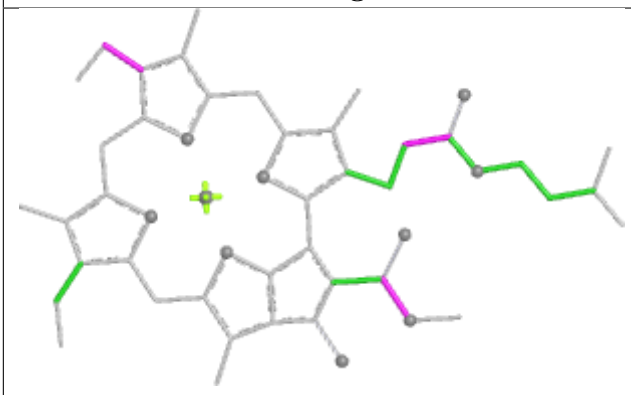
Ligand CLA q 514



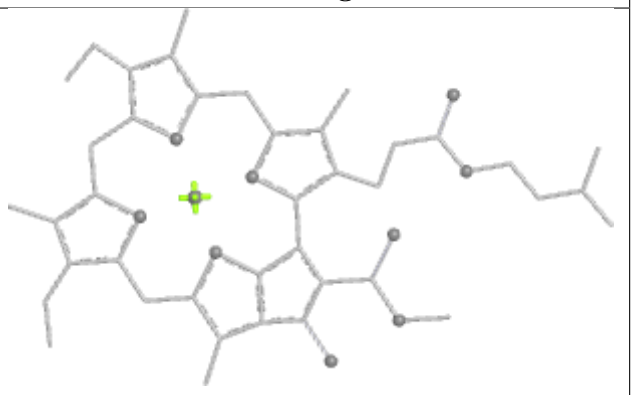
Bond lengths



Bond angles

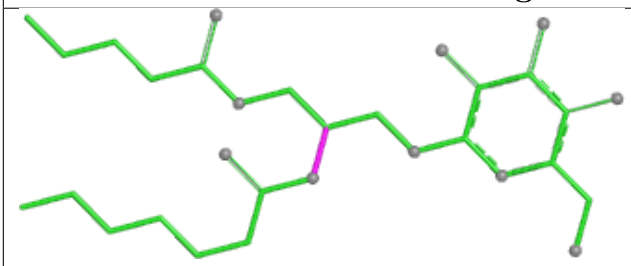


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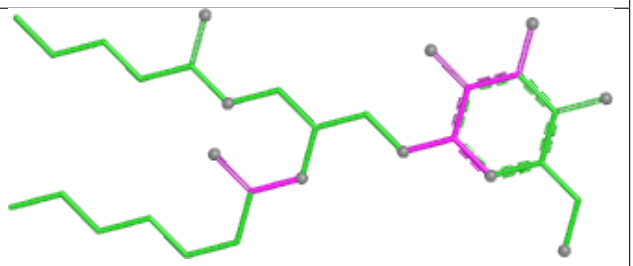


Rings

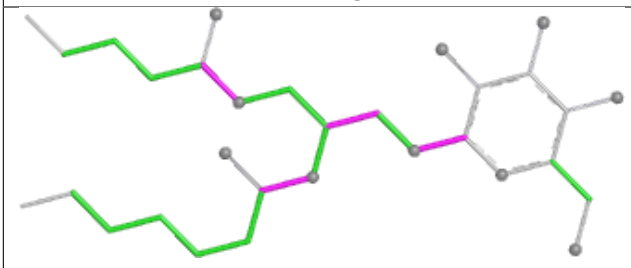
Ligand LMG a 4201



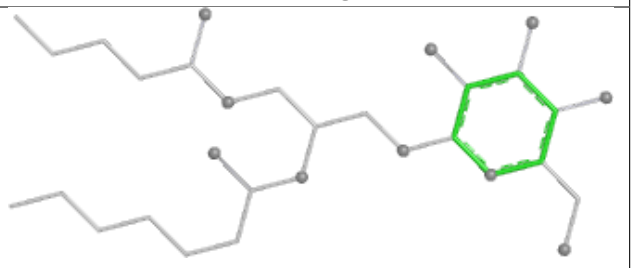
Bond lengths



Bond angles

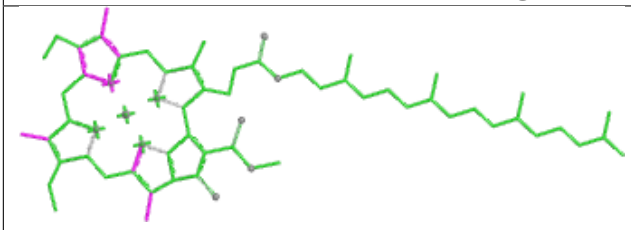


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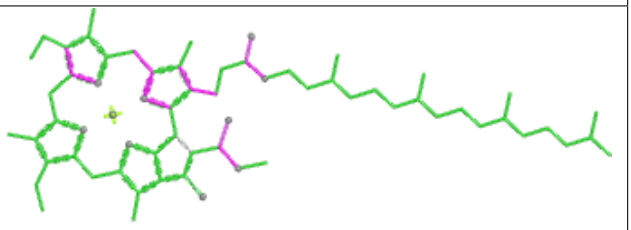


Rings

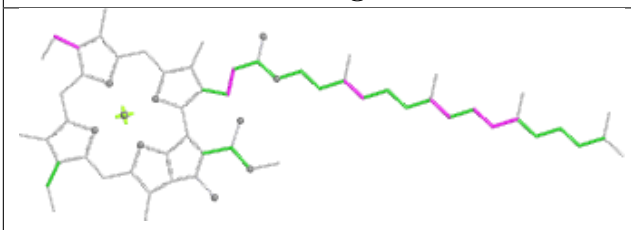
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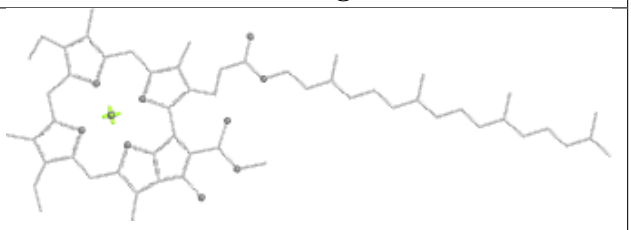
Bond lengths



Bond angles

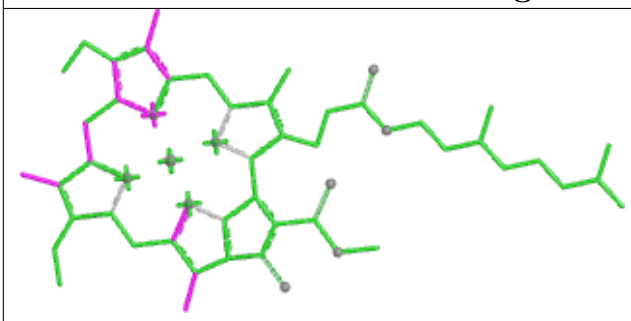


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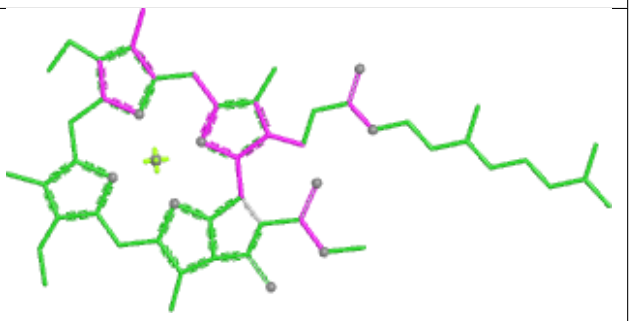


Rings

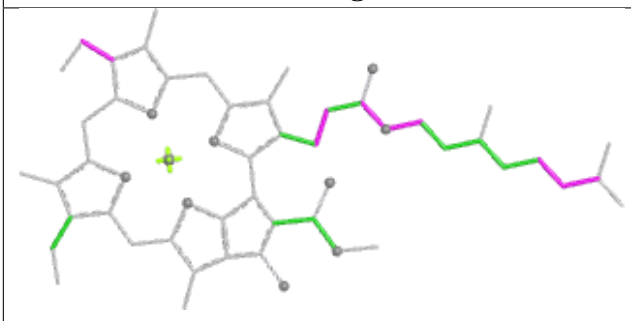
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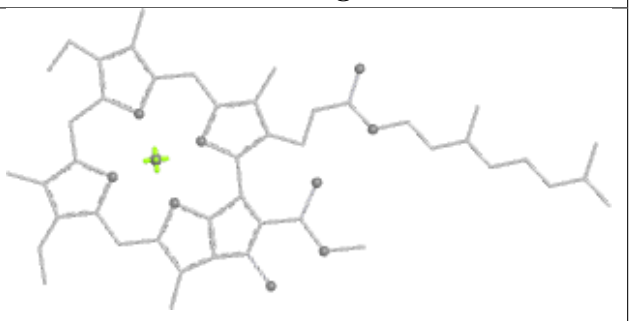
Bond lengths



Bond angles

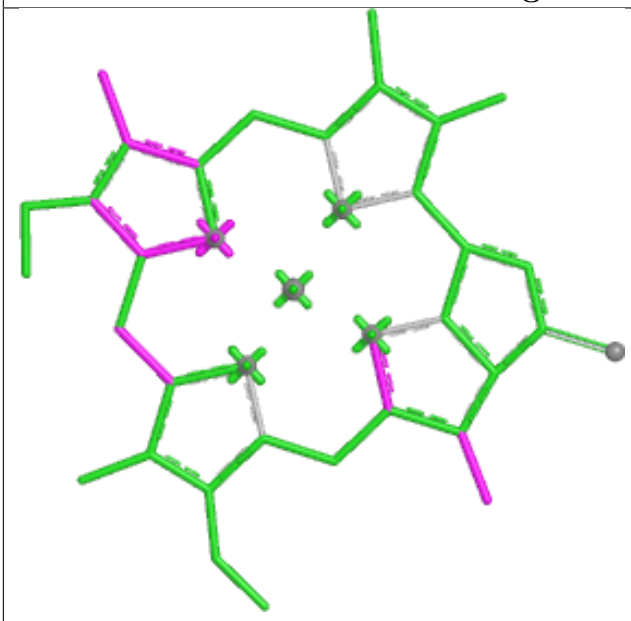


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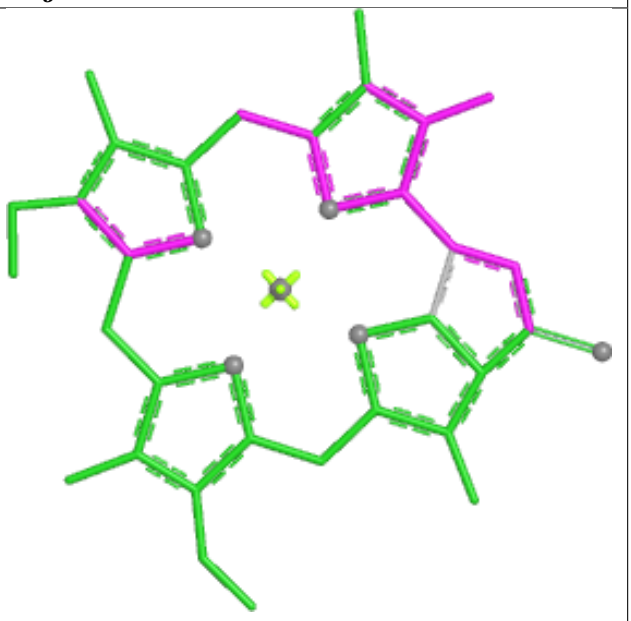


Rings

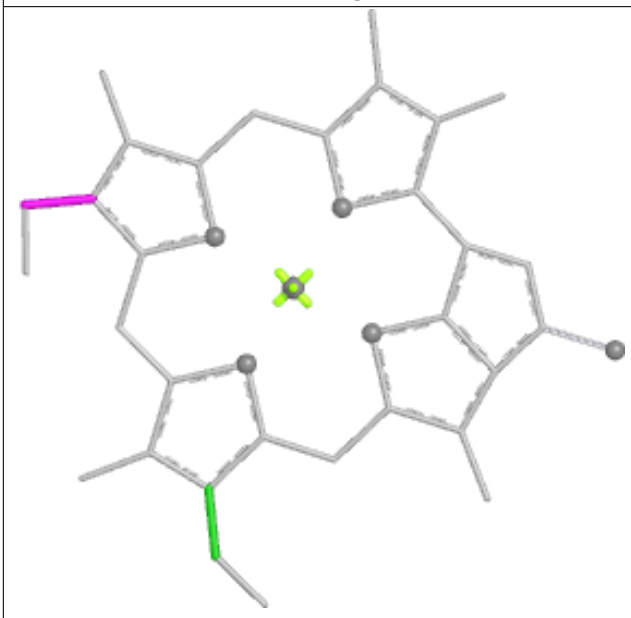
Ligand CLA j 1303



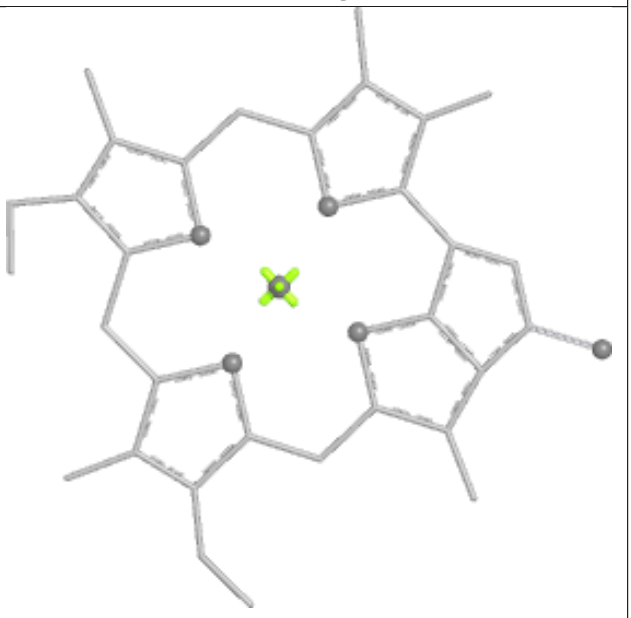
Bond lengths



Bond angles

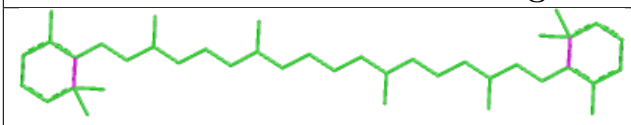


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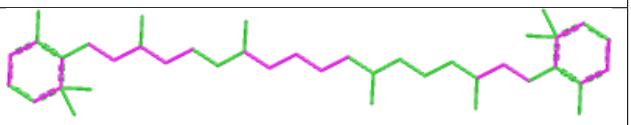


Rings

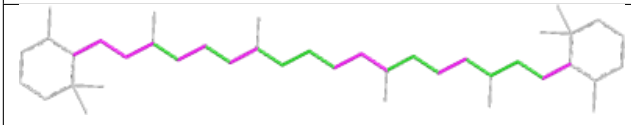
Ligand BCR t 601



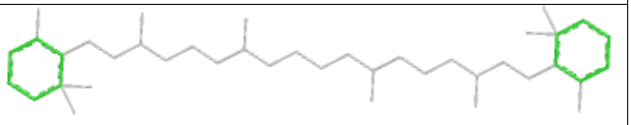
Bond lengths



Bond angles

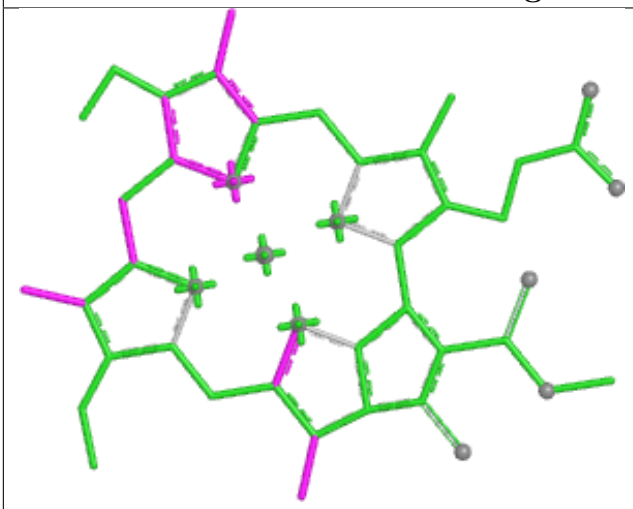


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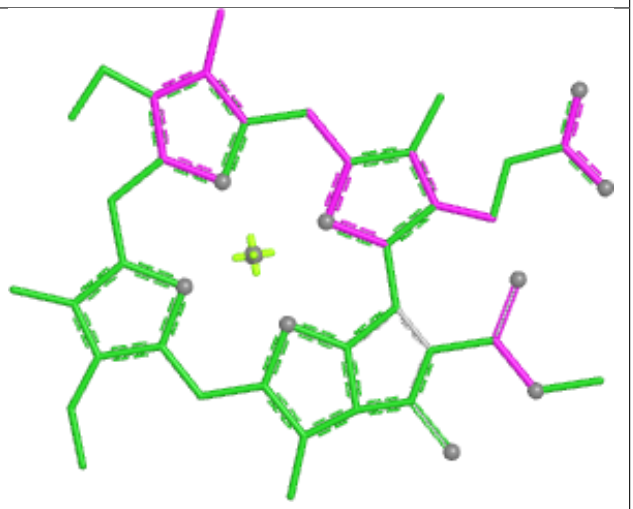


Rings

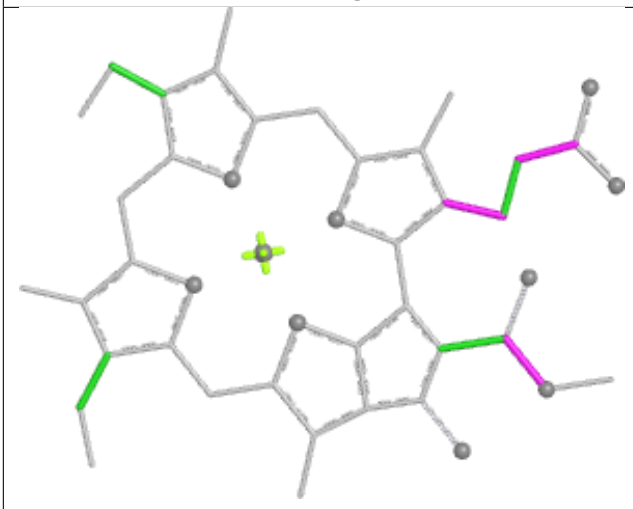
Ligand CLA w 512



Bond lengths



Bond angles

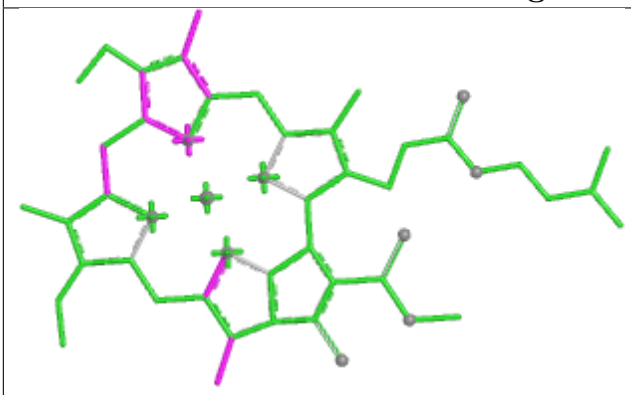


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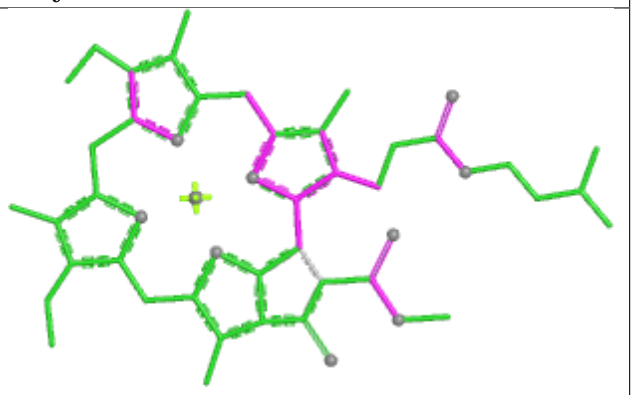


Rings

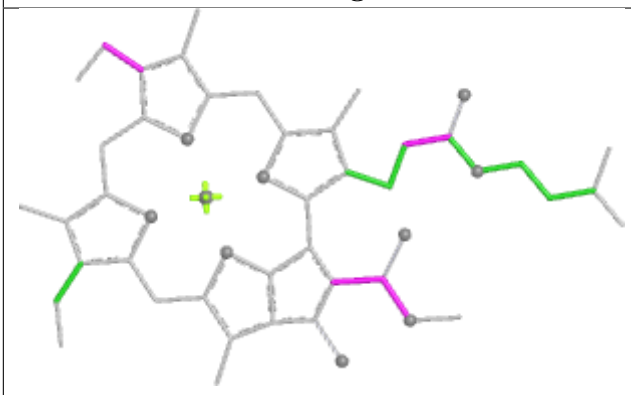
Ligand CLA y 514



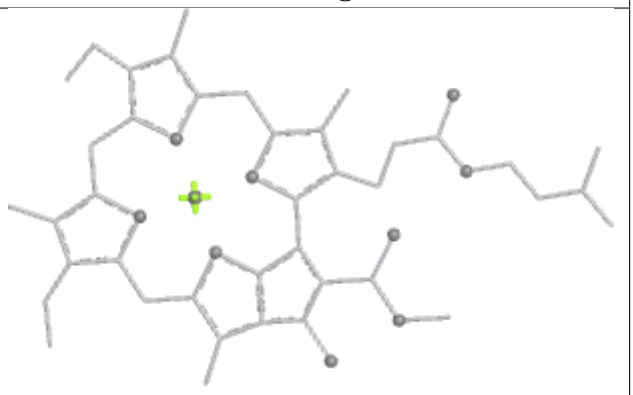
Bond lengths



Bond angles

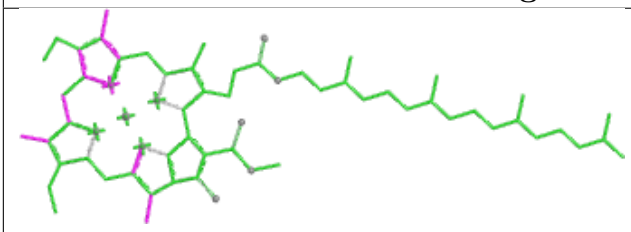


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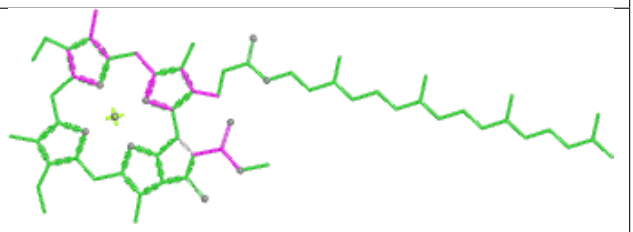


Rings

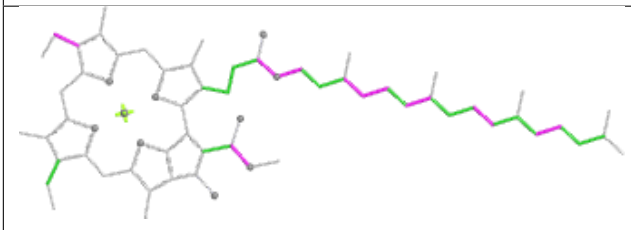
Ligand CLA a 1109



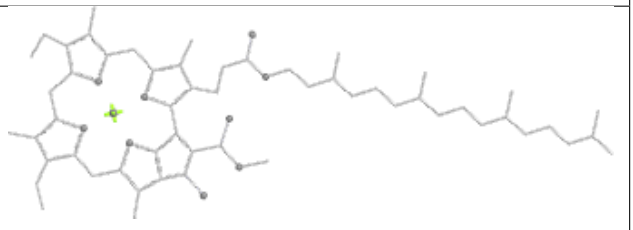
Bond lengths



Bond angles

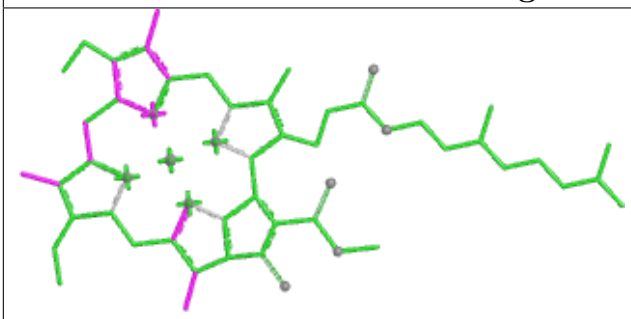


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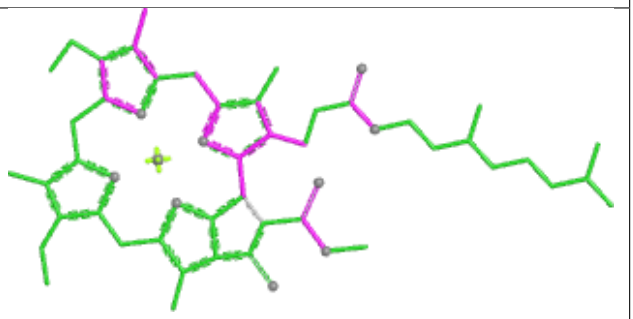


Rings

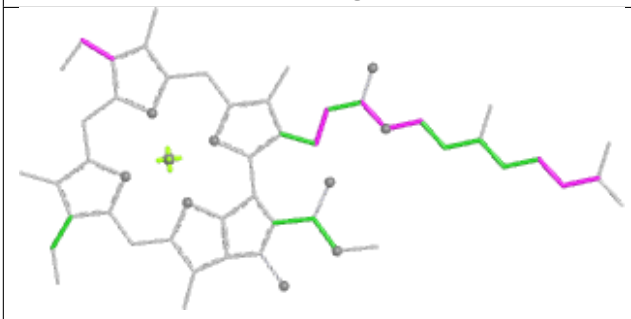
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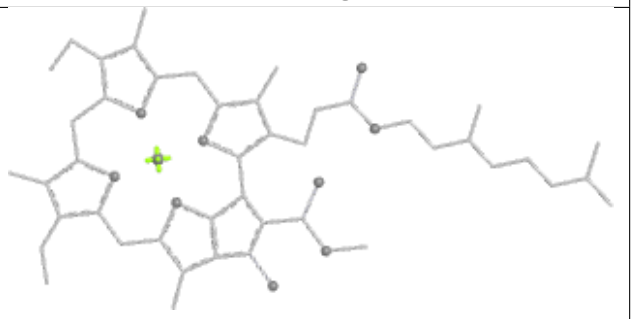
Bond lengths



Bond angles

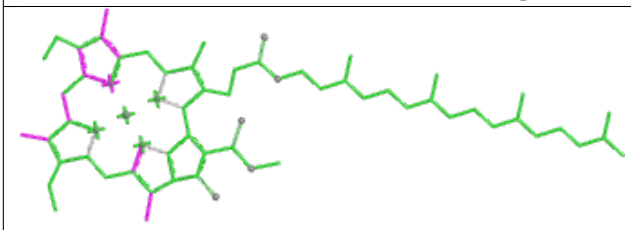


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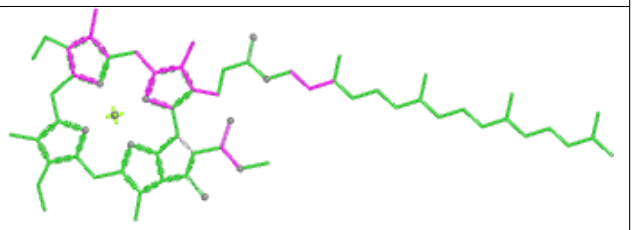


Rings

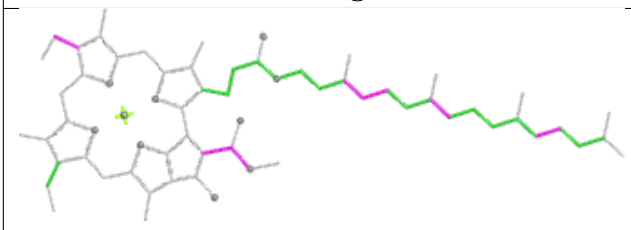
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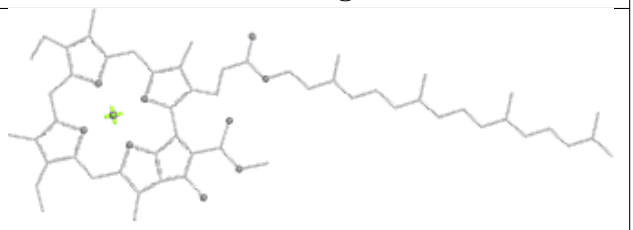
Bond lengths



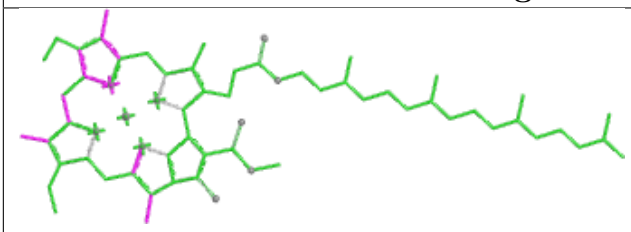
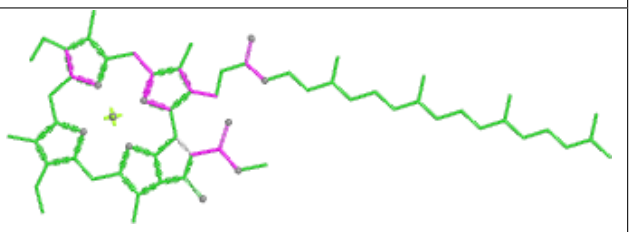
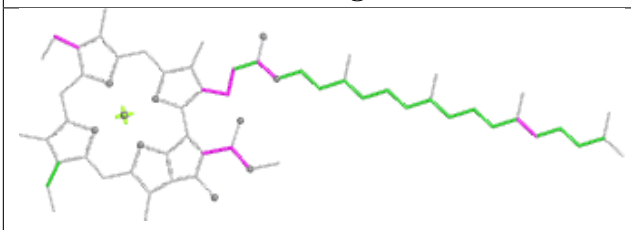
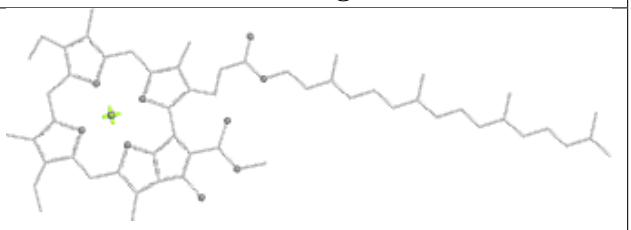
Bond angles

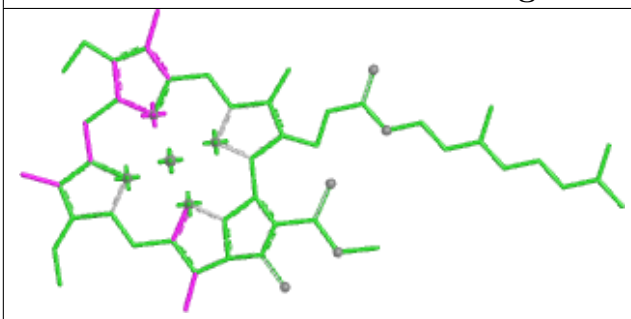
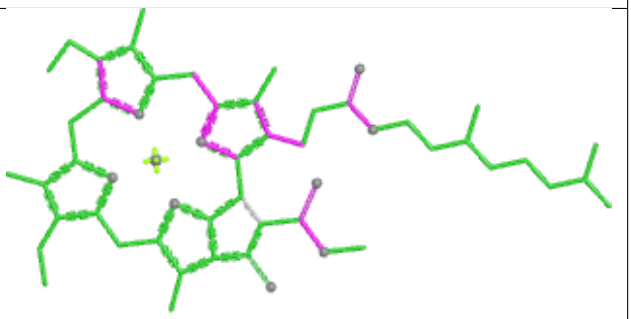
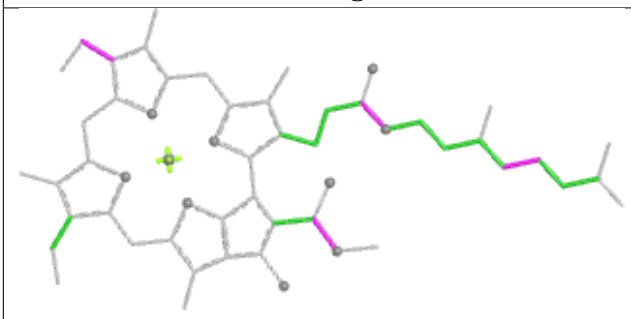
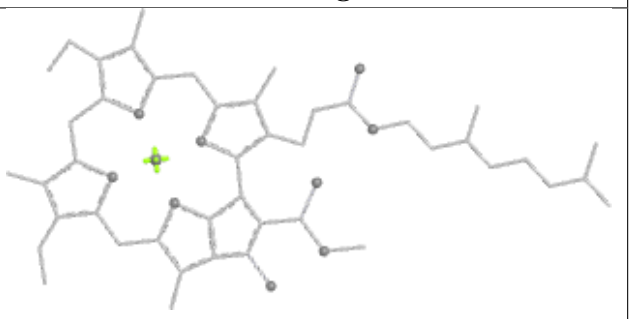


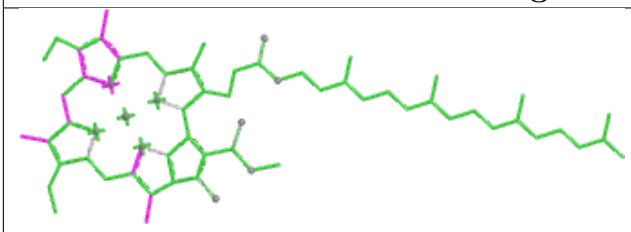
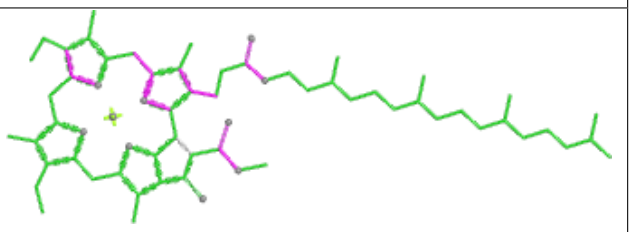
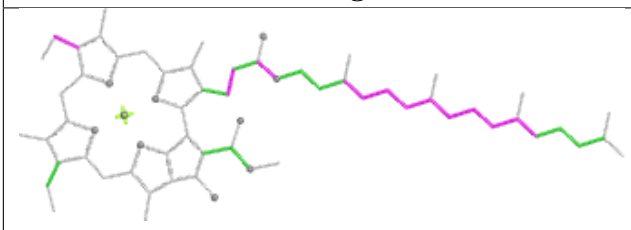
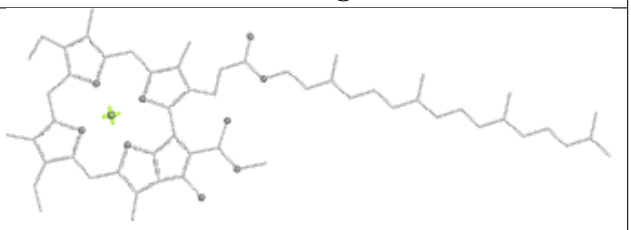
Torsions

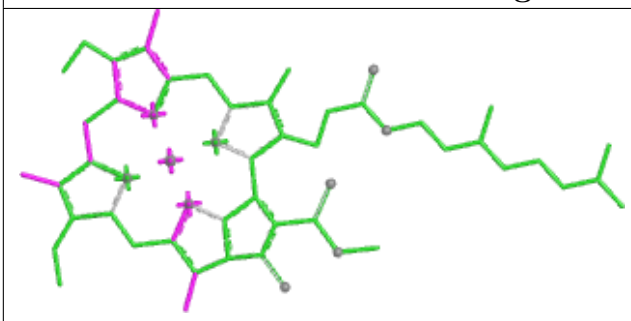
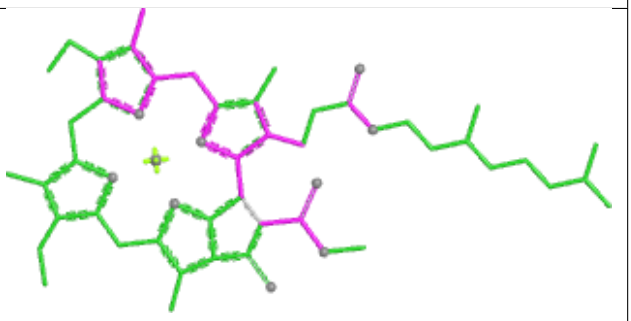
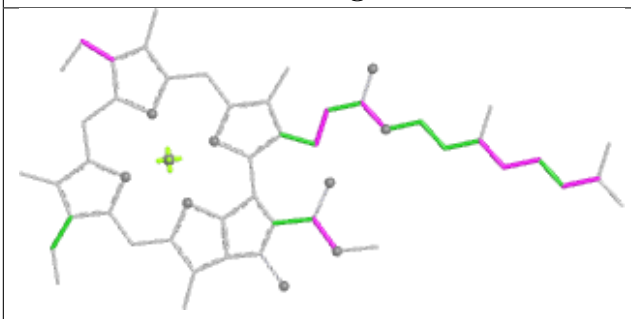
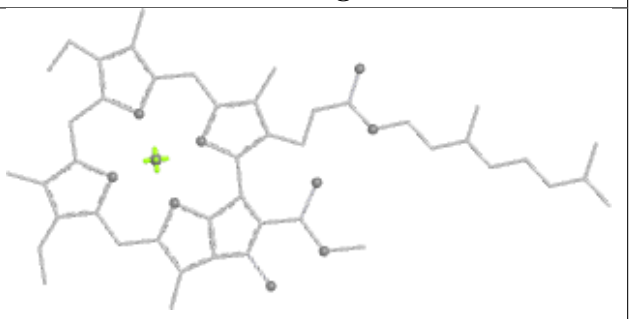


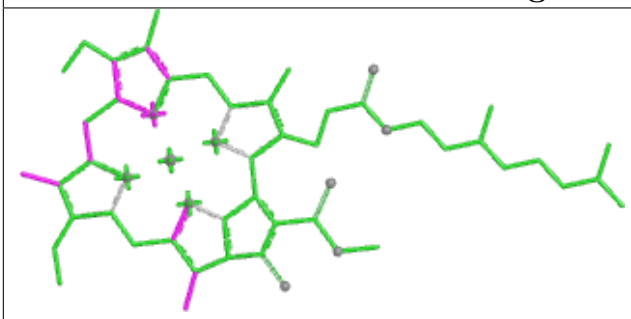
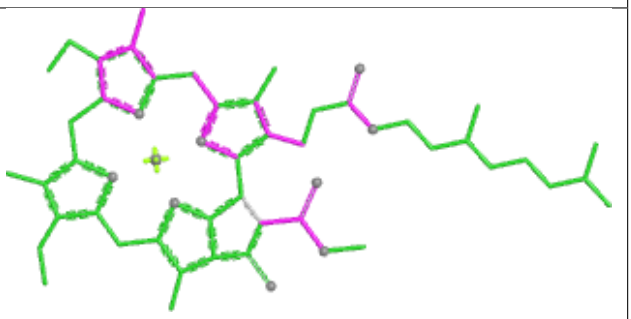
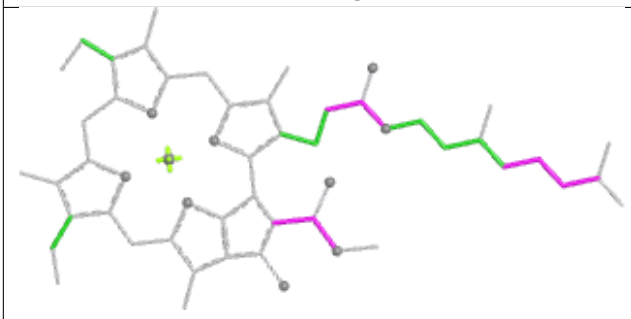
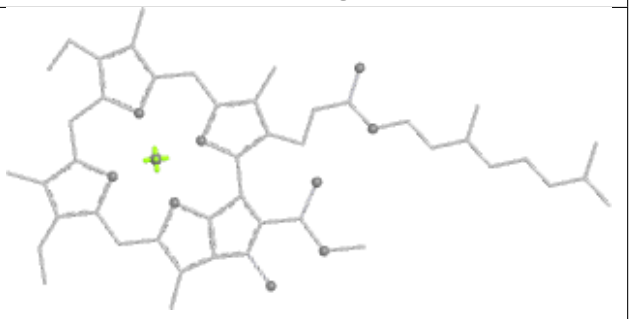
Rings

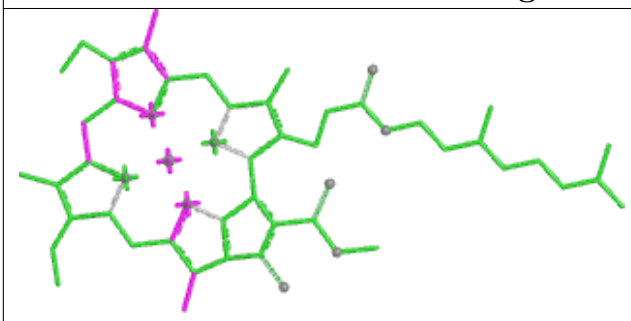
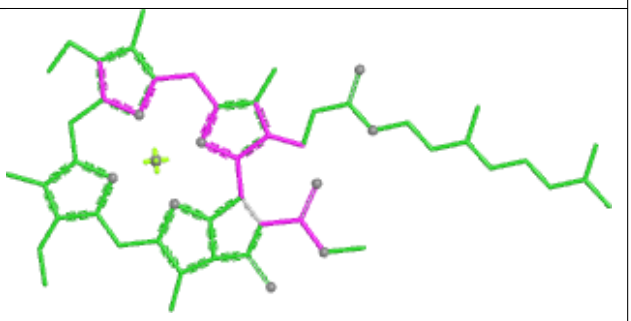
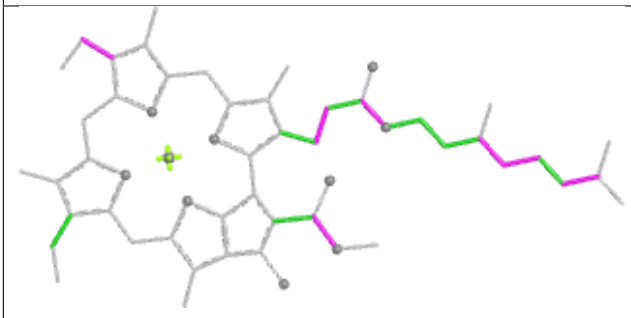
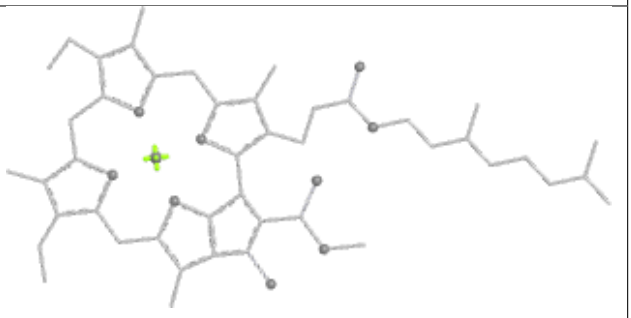
Ligand CLA H 1132	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA b 1222	
 Bond lengths	 Bond angles
 Torsions	 Rings

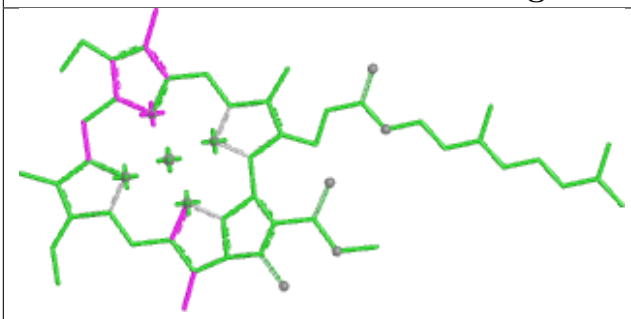
Ligand CLA t 515	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA G 1214	
 Bond lengths	 Bond angles
 Torsions	 Rings

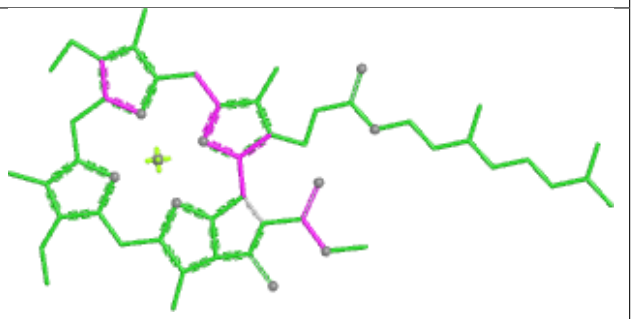
Ligand CLA o 517	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA b 1214	
 Bond lengths	 Bond angles
 Torsions	 Rings

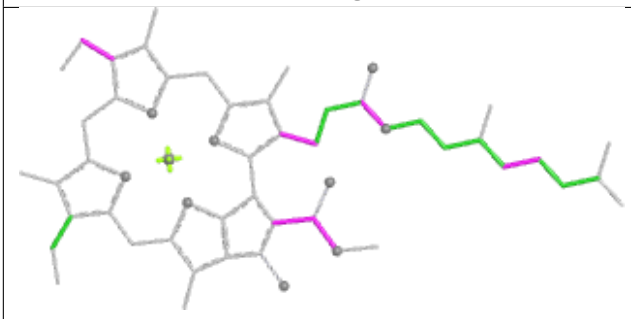
Ligand CLA x 508



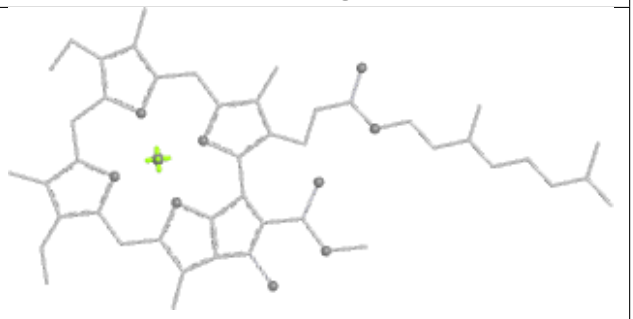
Bond lengths



Bond angles

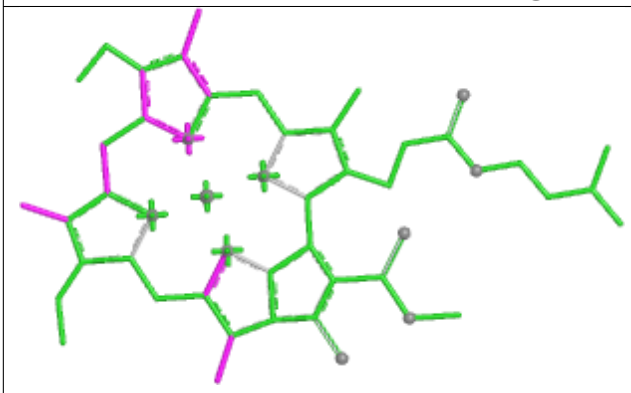


Torsions

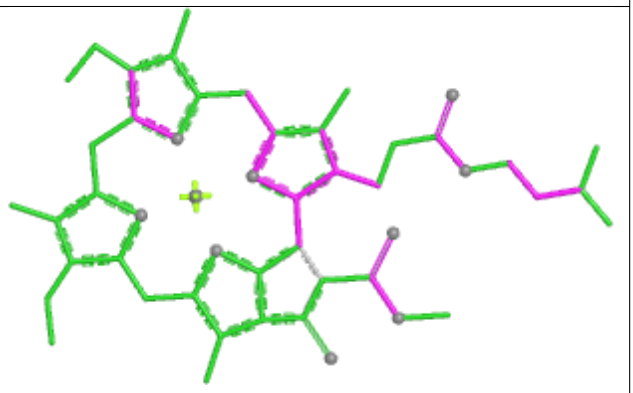


Rings

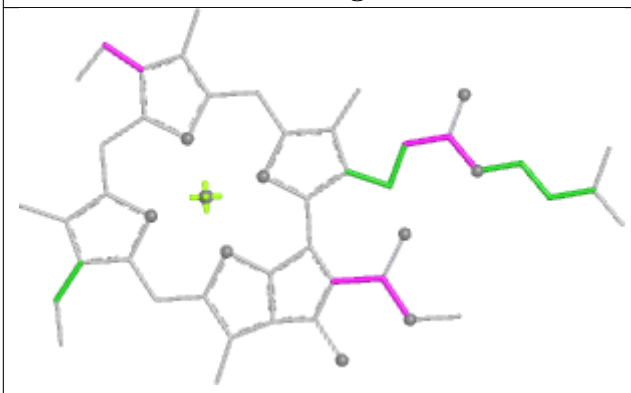
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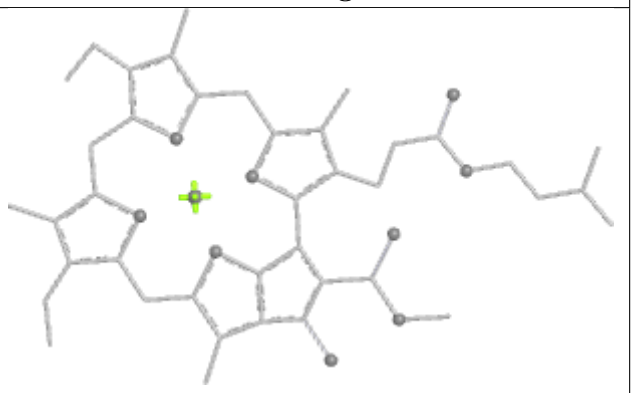
Bond lengths



Bond angles

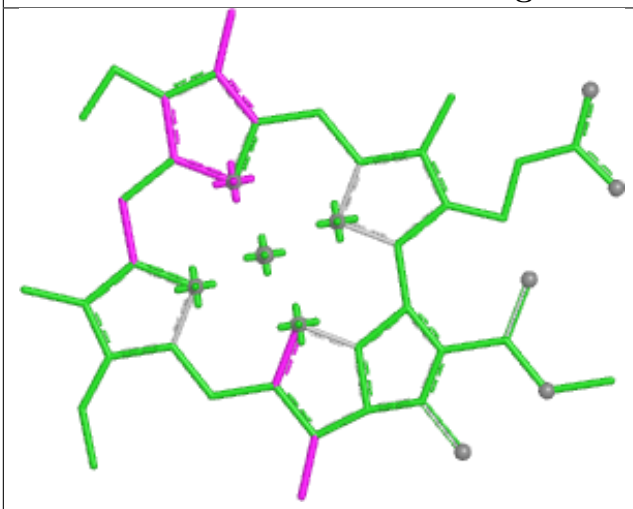


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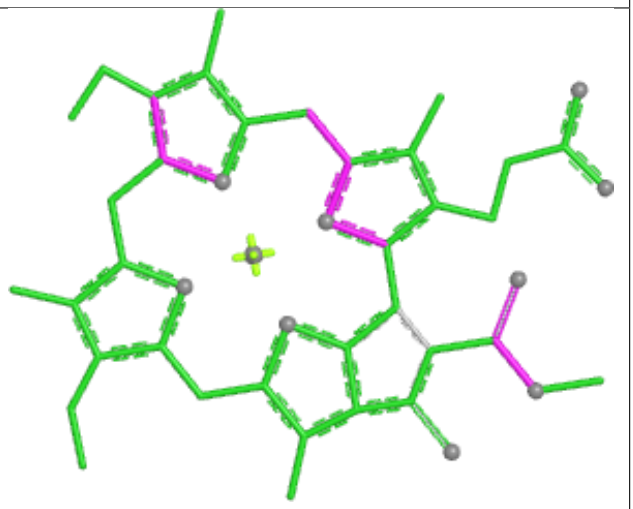


Rings

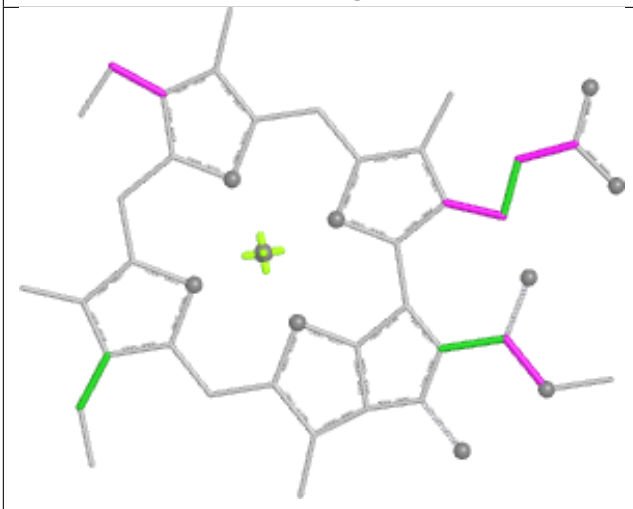
Ligand CLA B 1217



Bond lengths



Bond angles

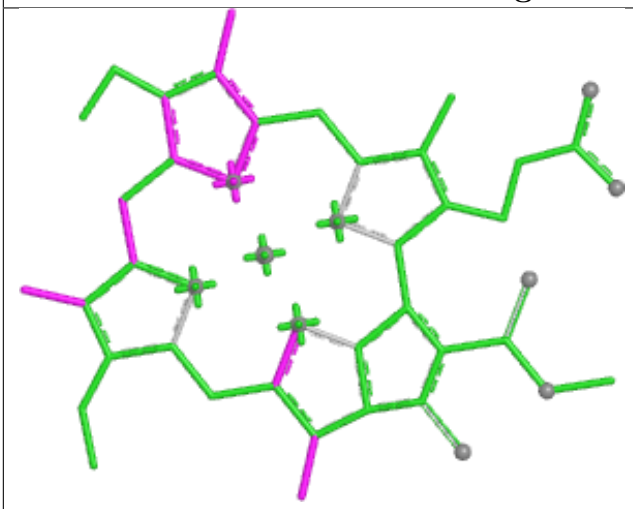


Torsions

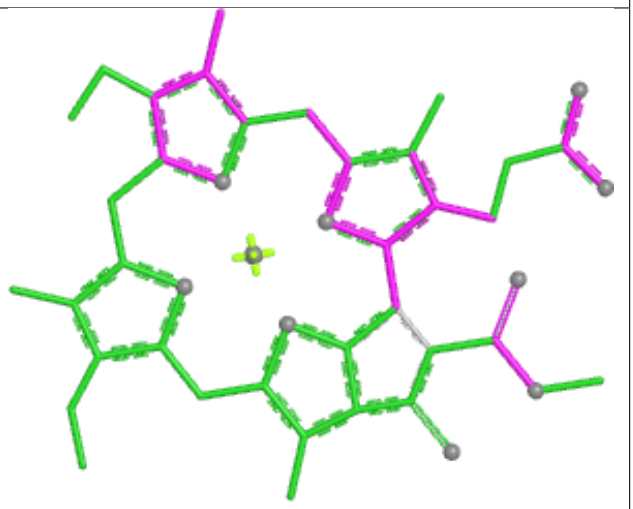


Rings

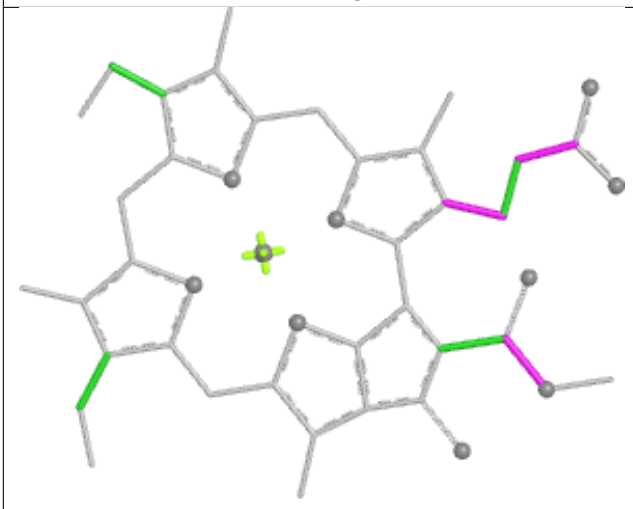
Ligand CLA A 1112



Bond lengths



Bond angles

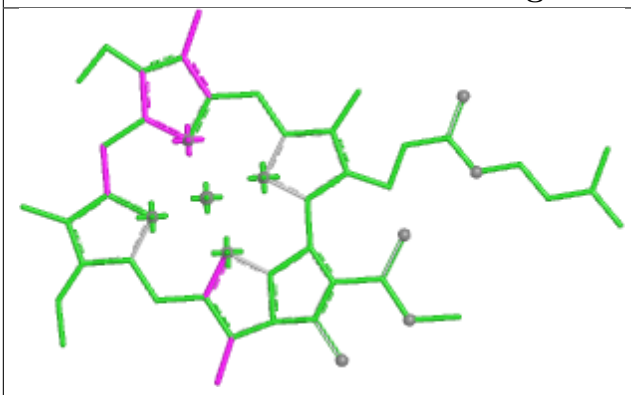


Torsions

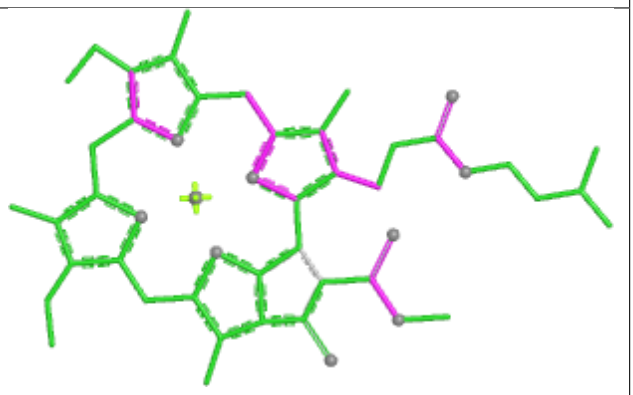


Rings

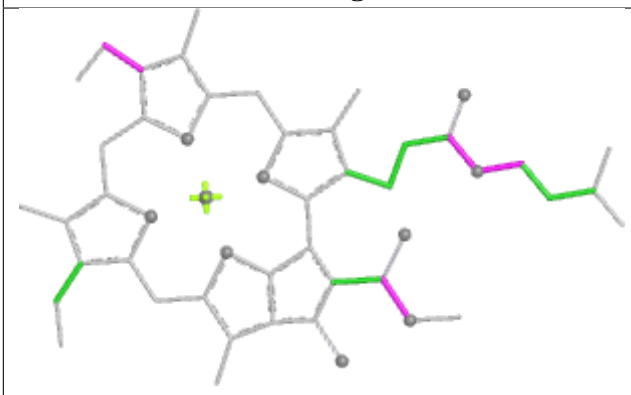
Ligand CLA Z 501



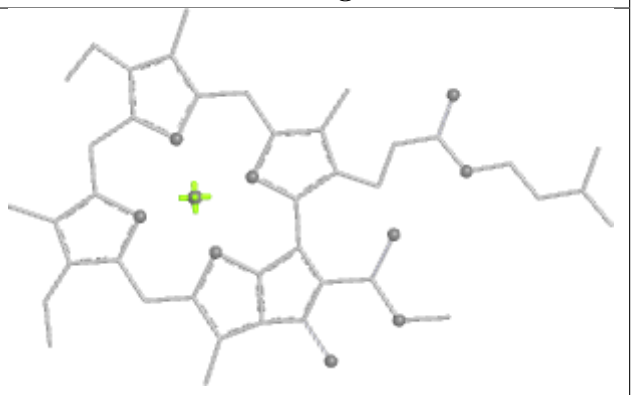
Bond lengths



Bond angles

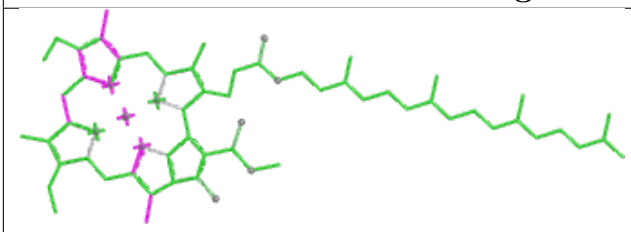


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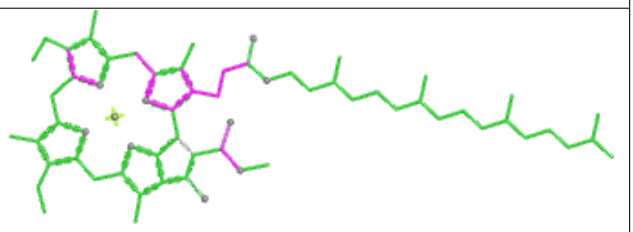


Rings

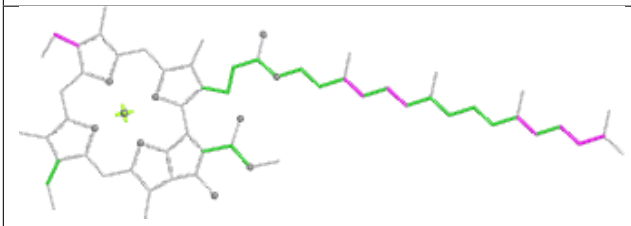
Ligand CLA A 1124



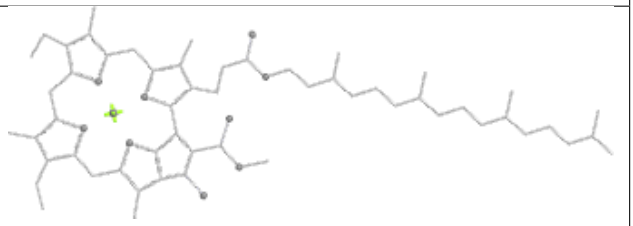
Bond lengths



Bond angles

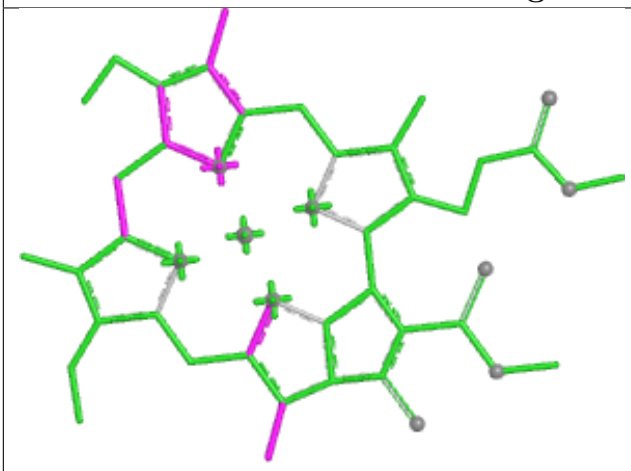


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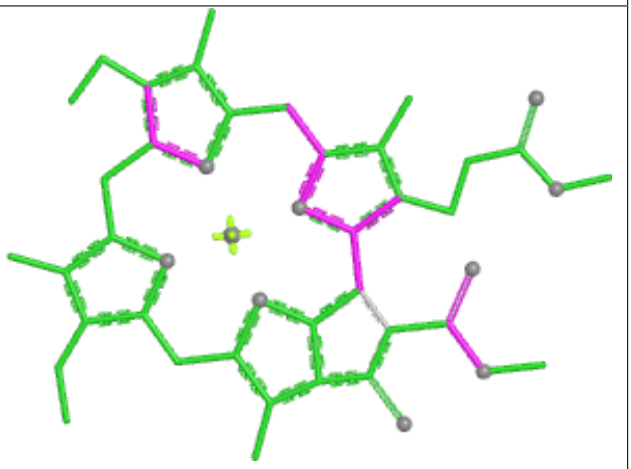


Rings

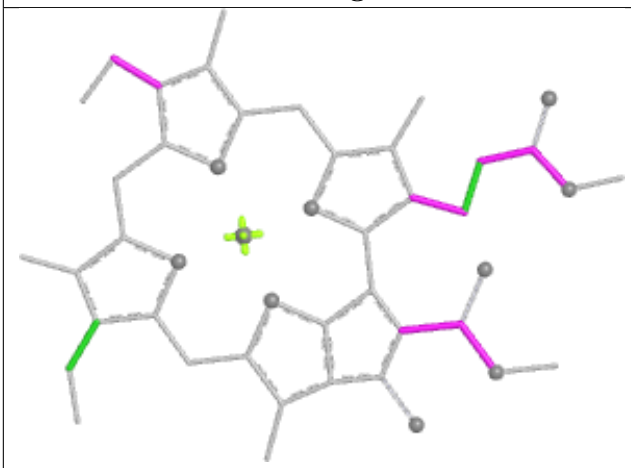
Ligand CLA h 503



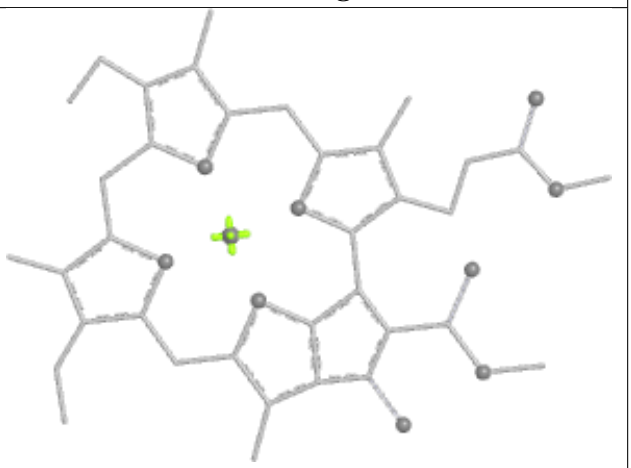
Bond lengths



Bond angles

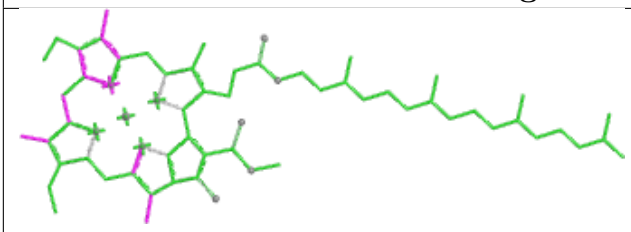


Torsions

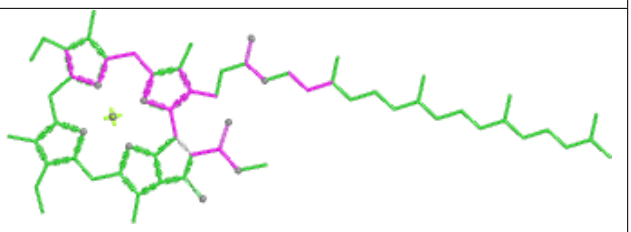


Rings

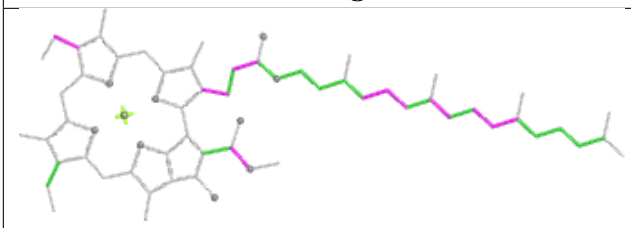
Ligand CLA a 1126



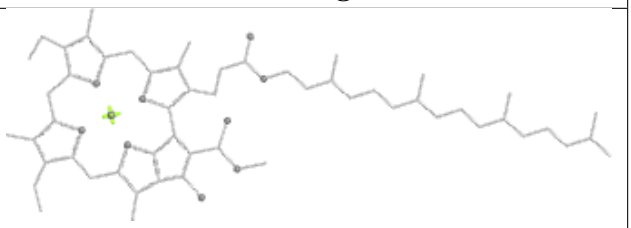
Bond lengths



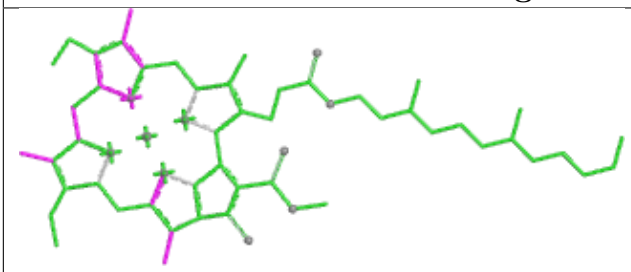
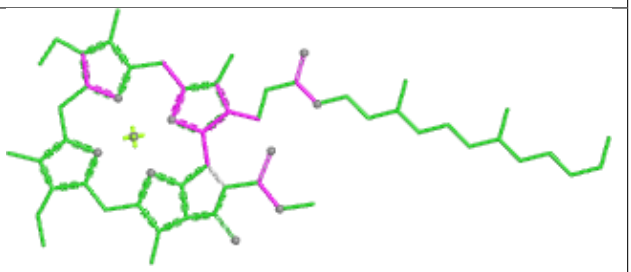
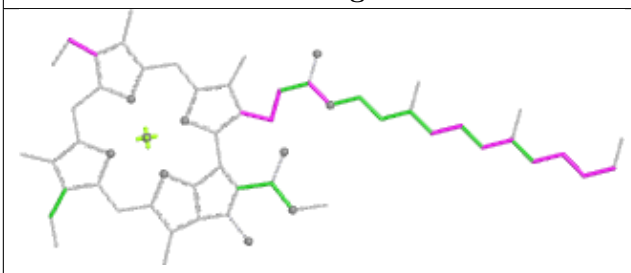
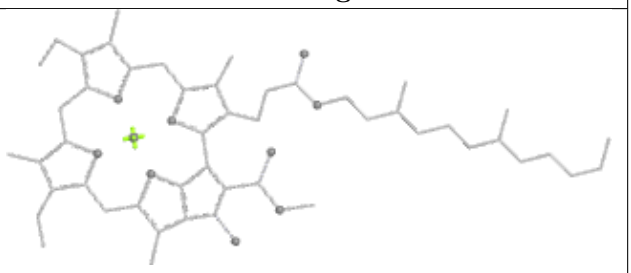
Bond angles

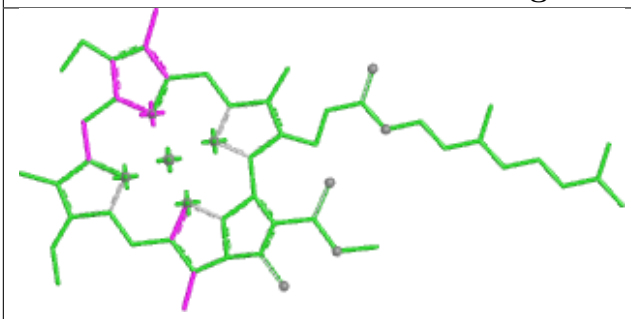
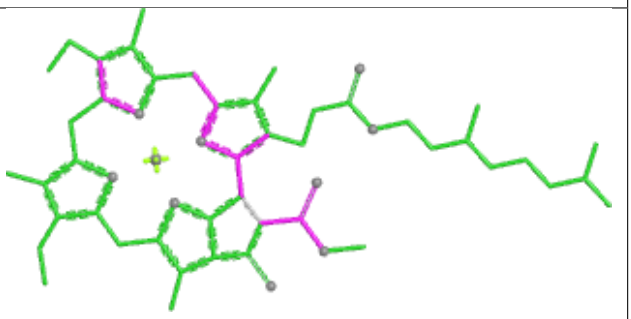
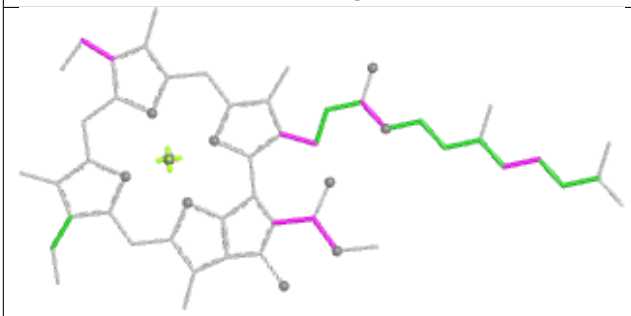
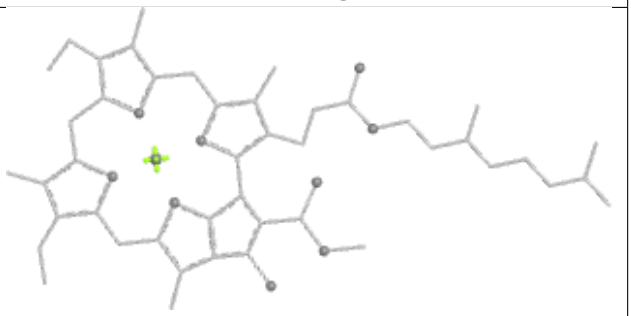


Torsions

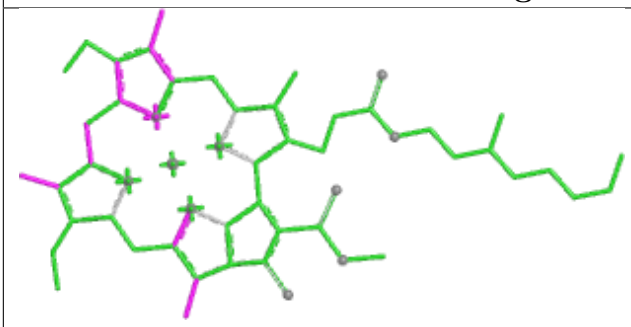


Rings

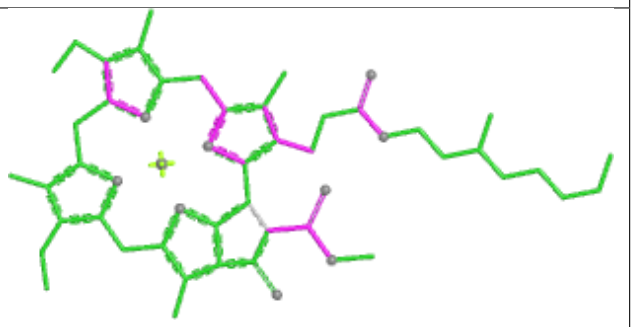
Ligand CLA A 1122	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA r 508	
	
Bond lengths	Bond angles
	
Torsions	Rings

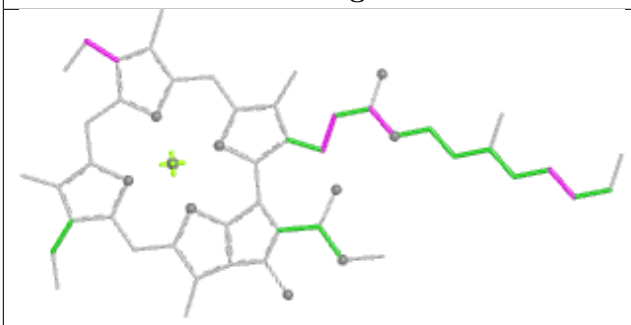
Ligand CLA A 1110



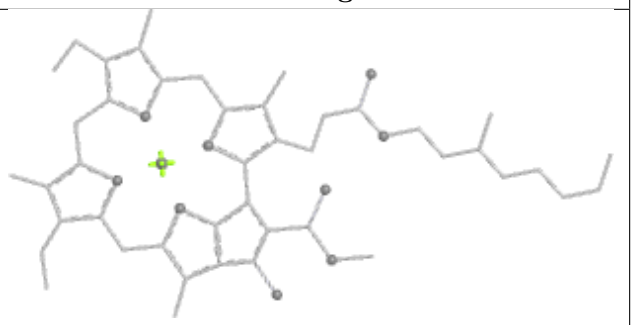
Bond lengths



Bond angles



Torsions

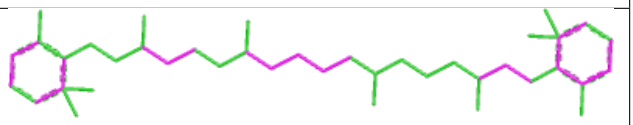


Rings

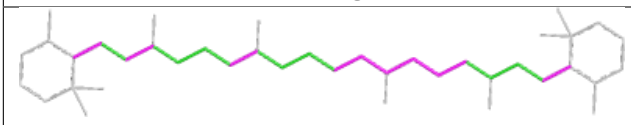
Ligand BCR Y 601



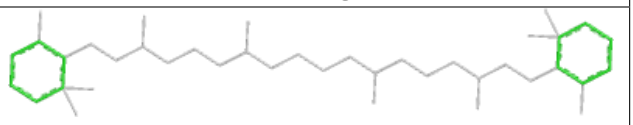
Bond lengths



Bond angles

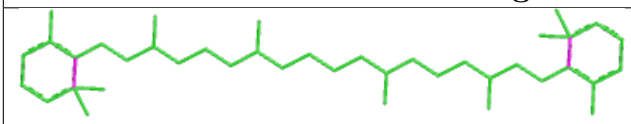


Torsions

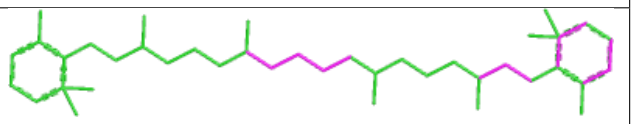


Rings

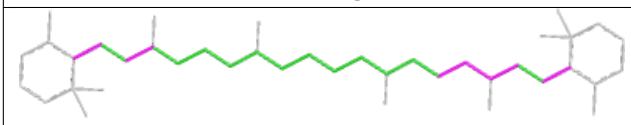
Ligand BCR G 4004



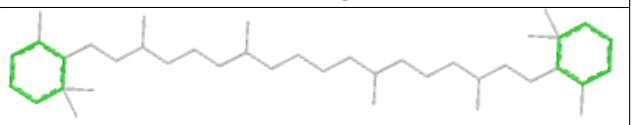
Bond lengths



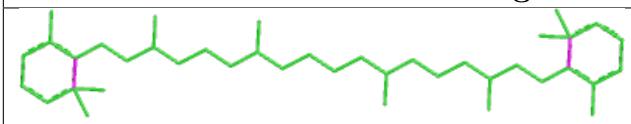
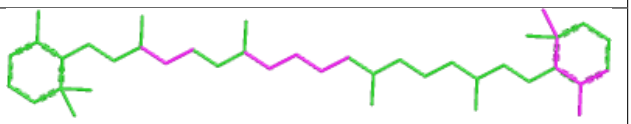
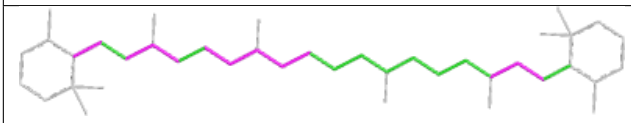
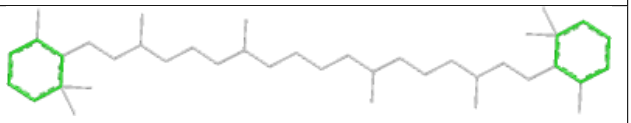
Bond angles

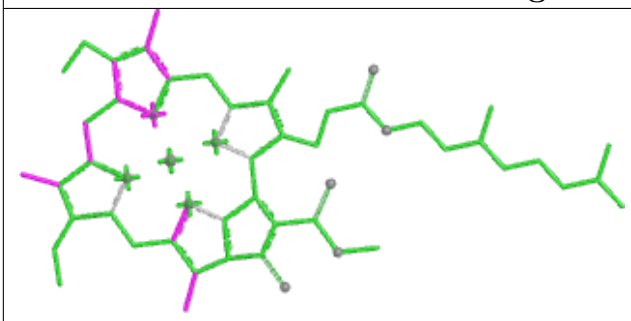
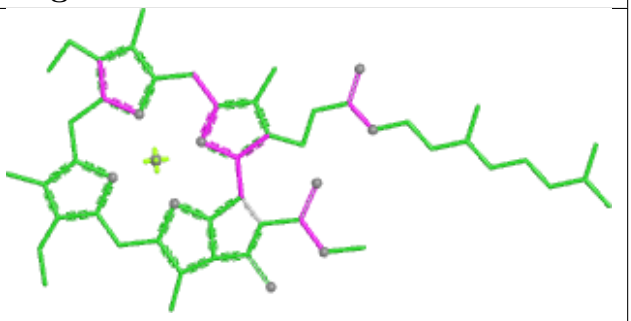
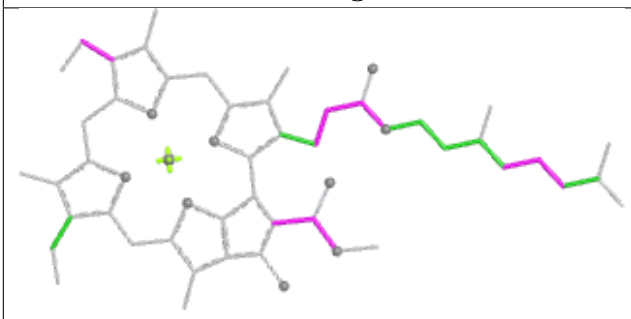
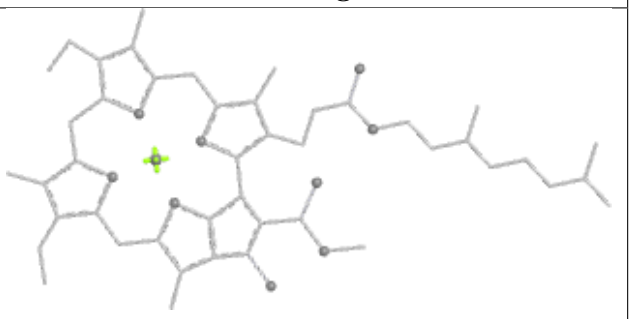


Torsions

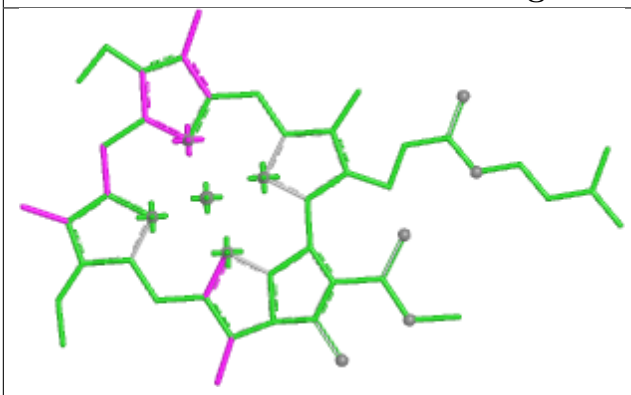


Rings

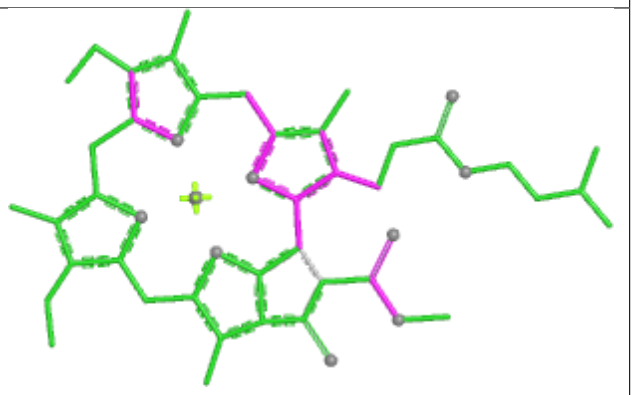
Ligand BCR A 4003	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA g 517	
 Bond lengths	 Bond angles
 Torsions	 Rings

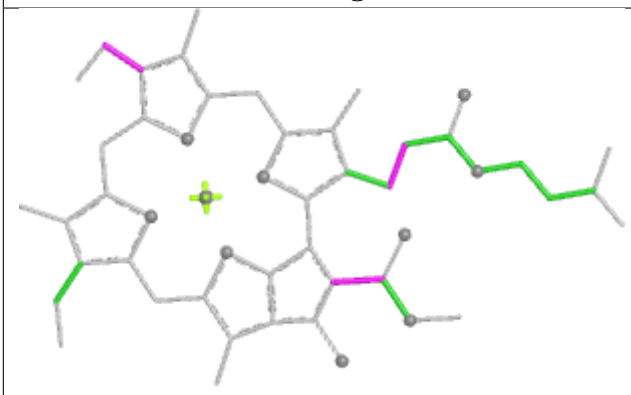
Ligand CLA x 502



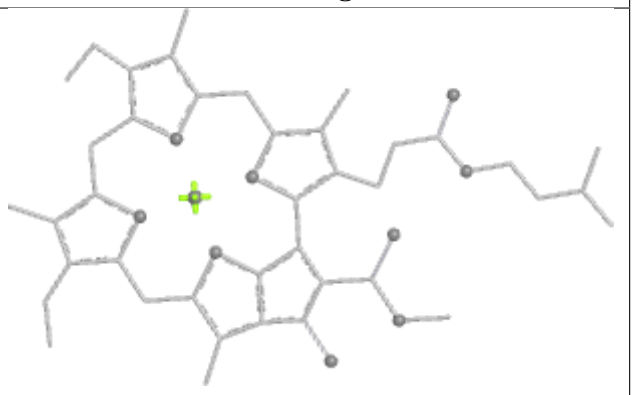
Bond lengths



Bond angles

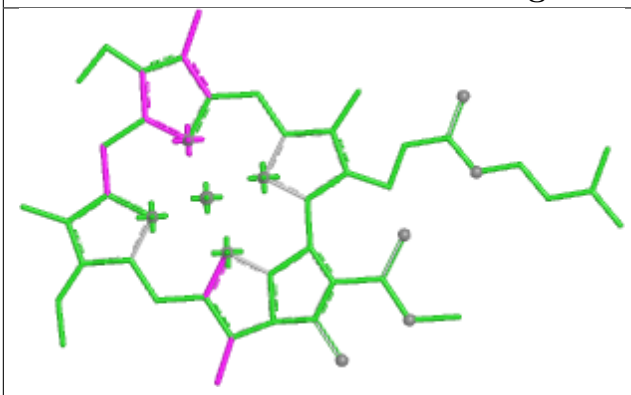


Torsions

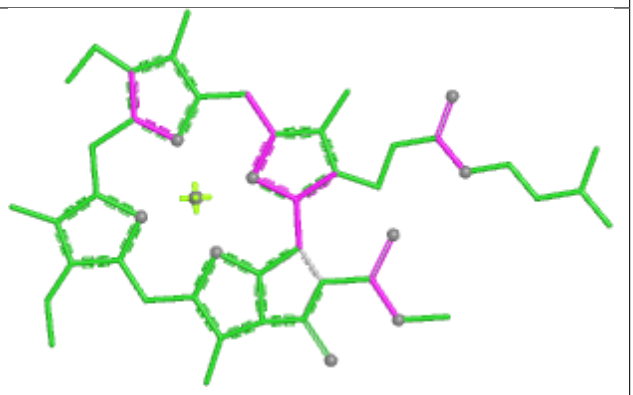


Rings

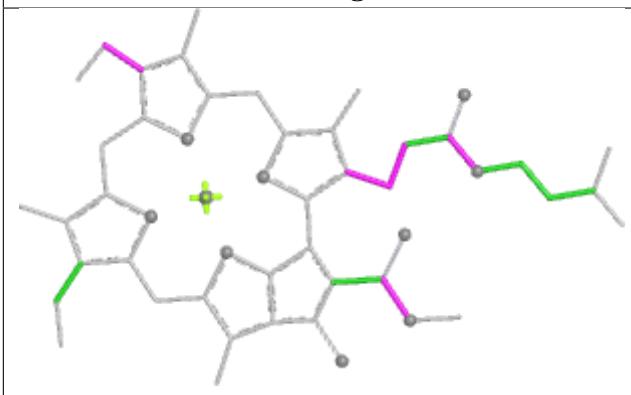
Ligand CLA o 513



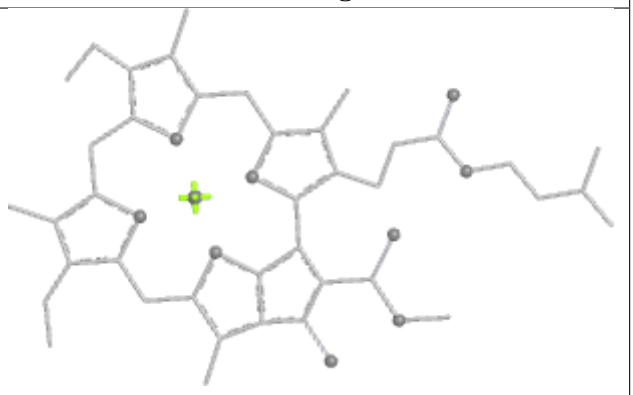
Bond lengths



Bond angles



Torsions

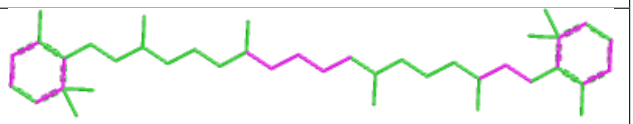


Rings

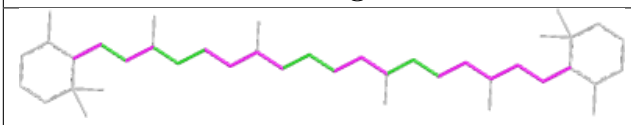
Ligand BCR r 601



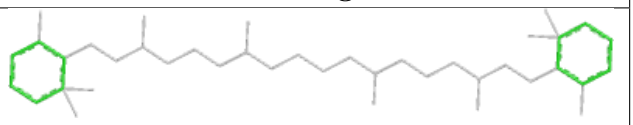
Bond lengths



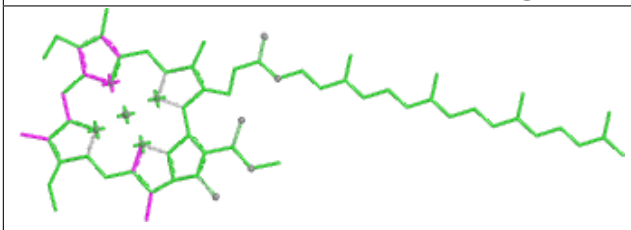
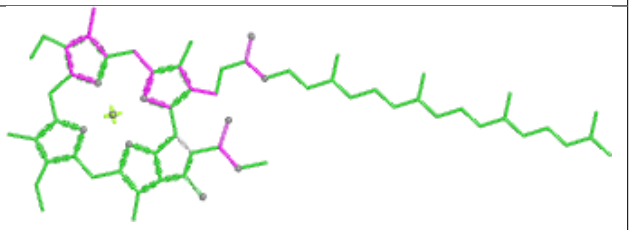
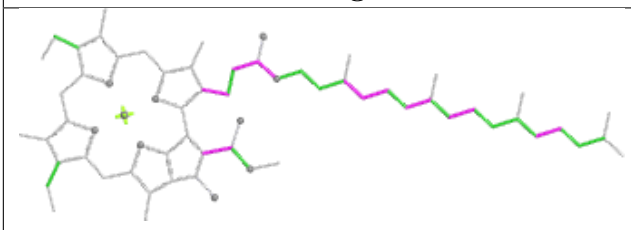
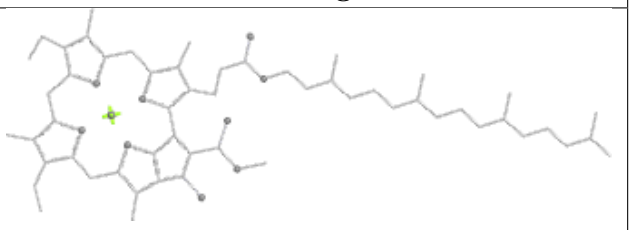
Bond angles

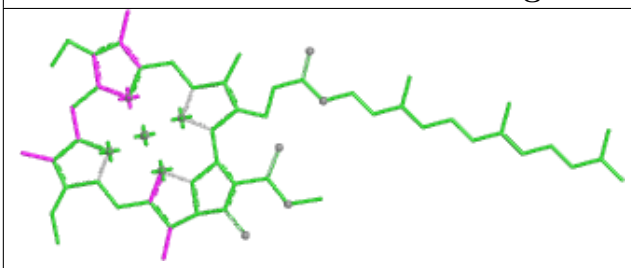
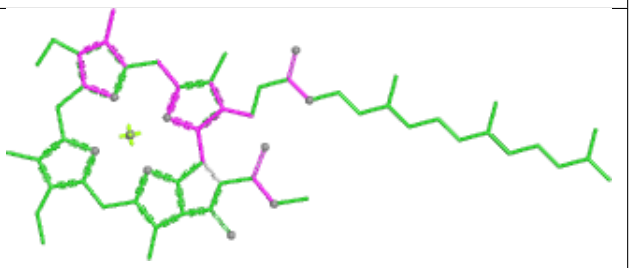
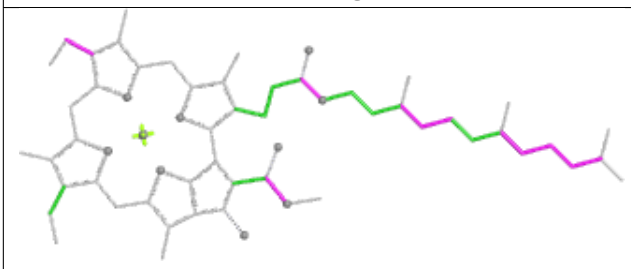
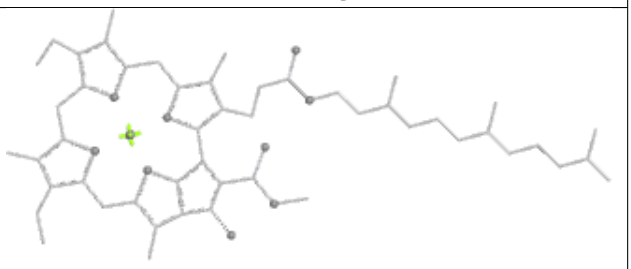


Torsions

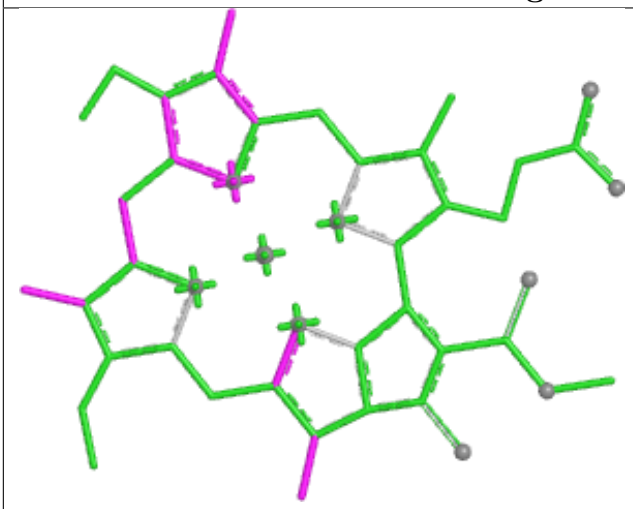


Rings

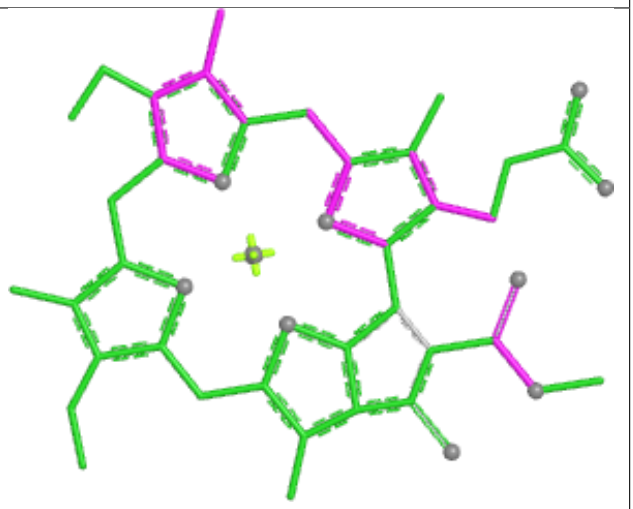
Ligand CLA b 1202	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA Y 509	
 Bond lengths	 Bond angles
 Torsions	 Rings

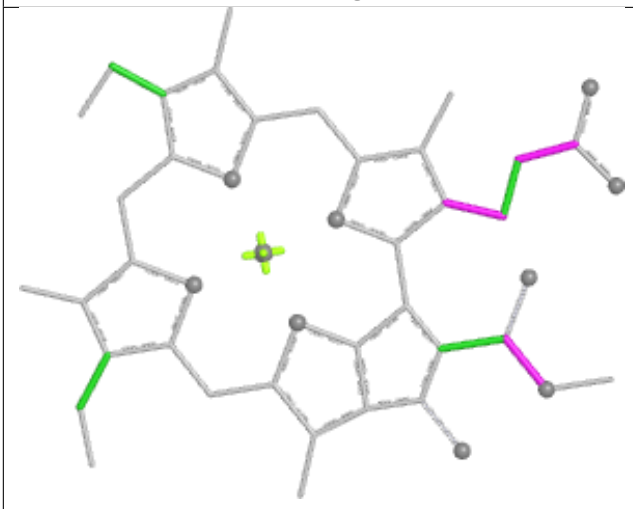
Ligand CLA Z 512



Bond lengths



Bond angles

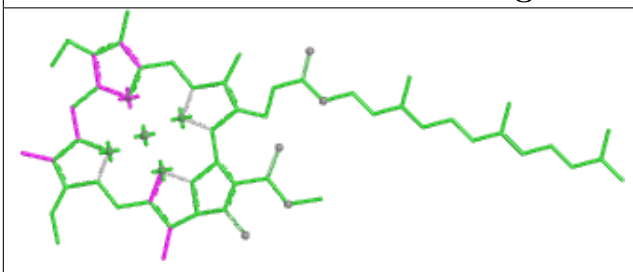


Torsions

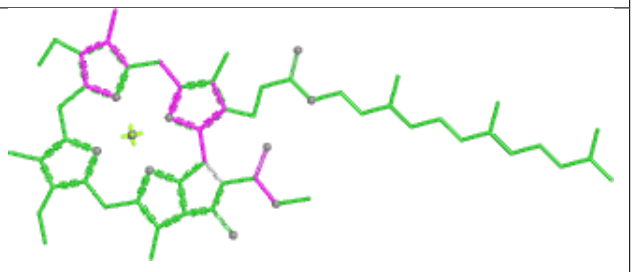


Rings

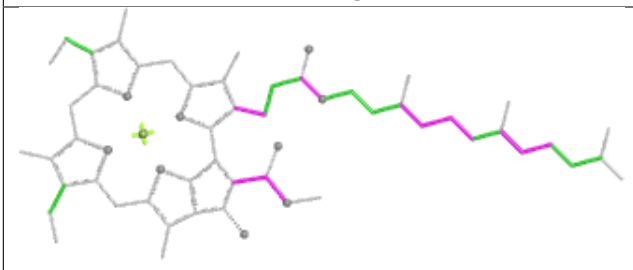
Ligand CLA B 1215



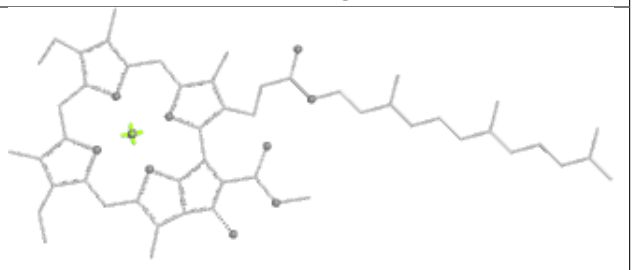
Bond lengths



Bond angles

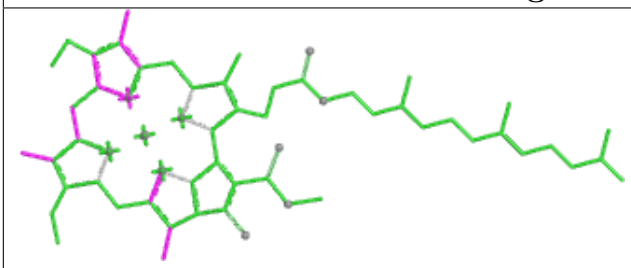


Torsions

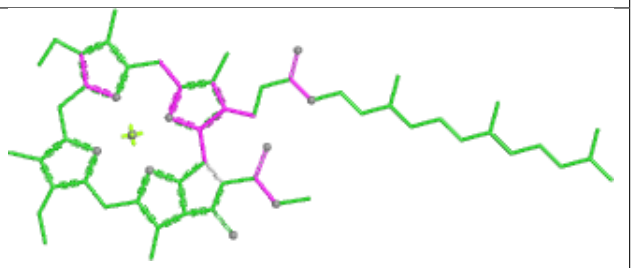


Rings

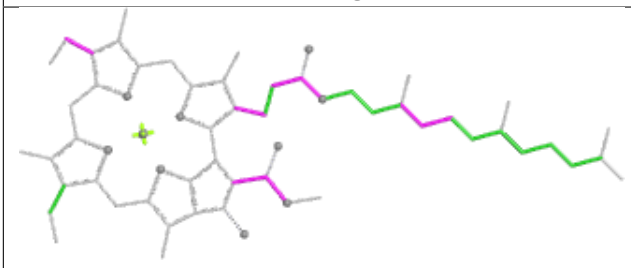
Ligand CLA n 507



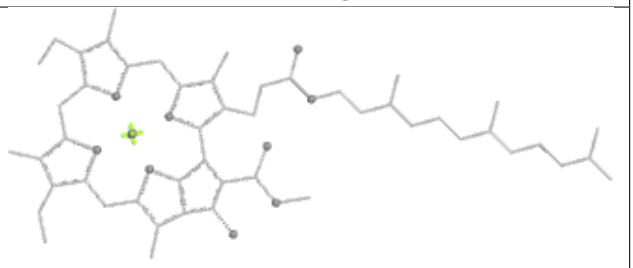
Bond lengths



Bond angles

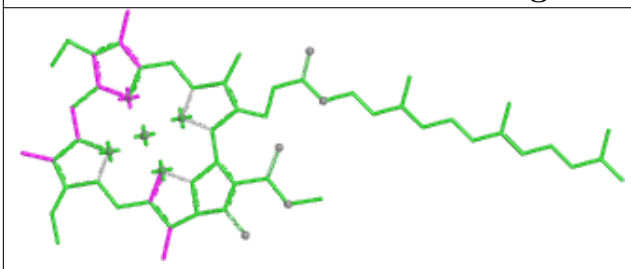


Torsions

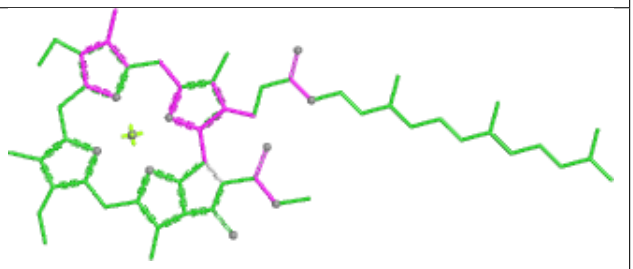


Rings

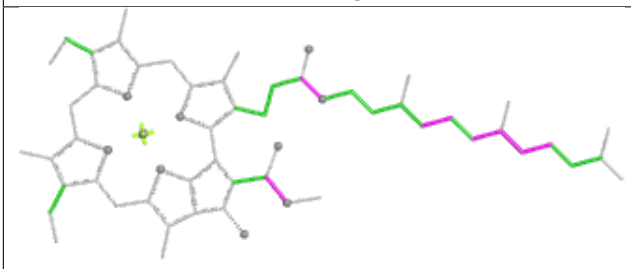
Ligand CLA r 509



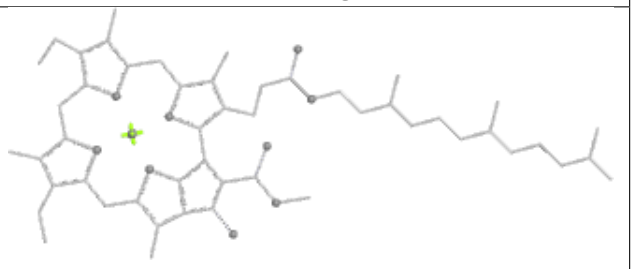
Bond lengths



Bond angles

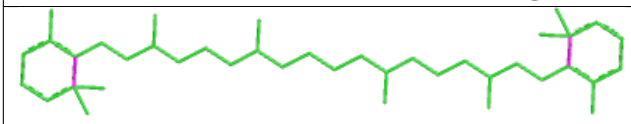


Torsions

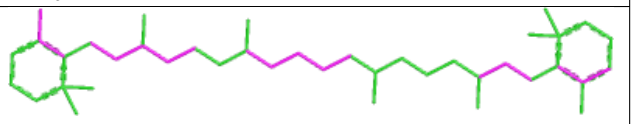


Rings

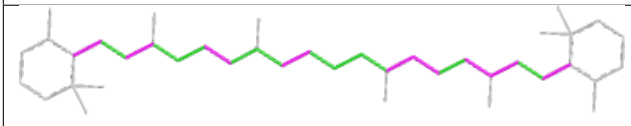
Ligand BCR y 602



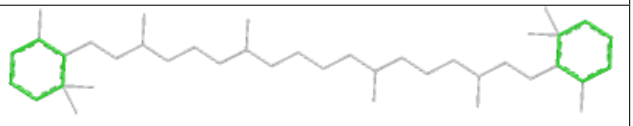
Bond lengths



Bond angles

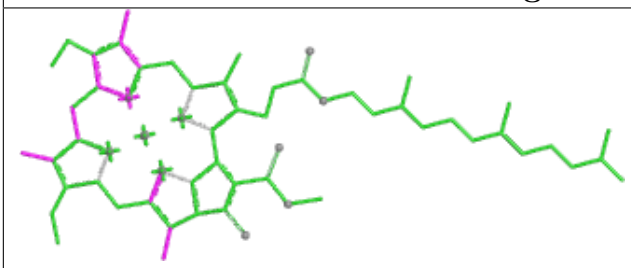


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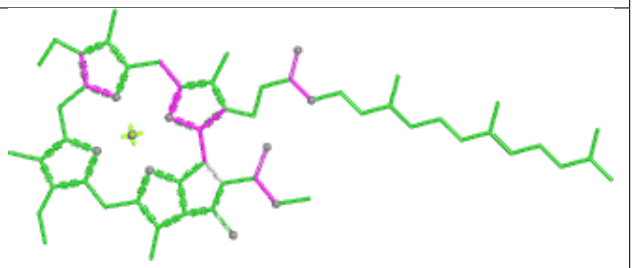


Rings

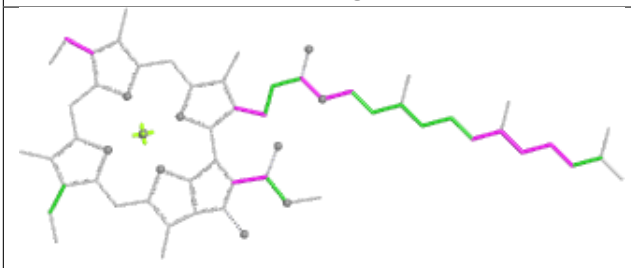
Ligand CLA Y 504



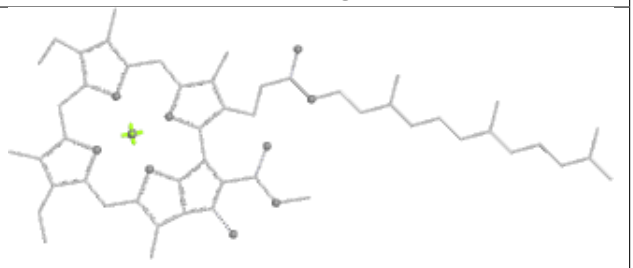
Bond lengths



Bond angles

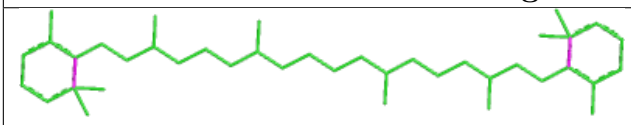


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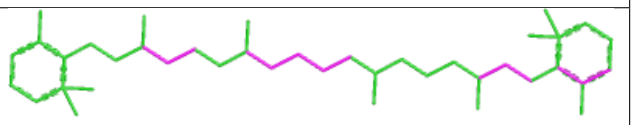


Rings

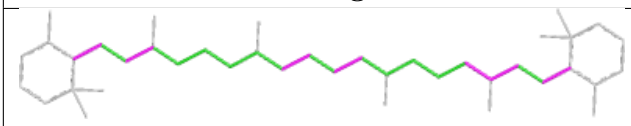
Ligand BCR l 4019



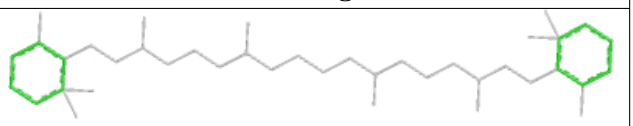
Bond lengths



Bond angles

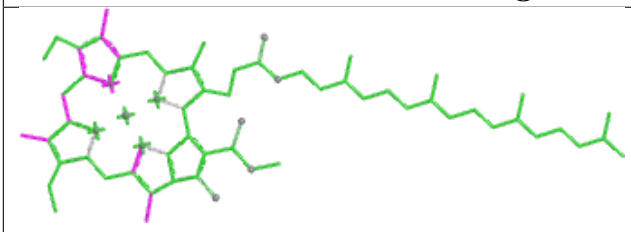


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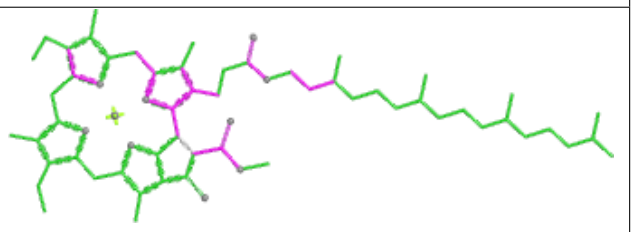


Rings

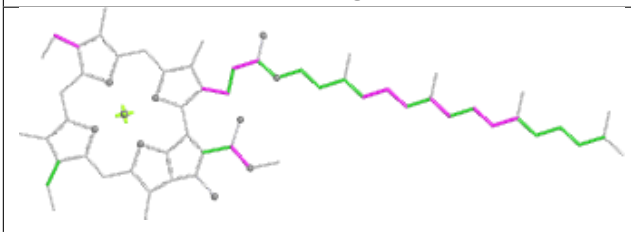
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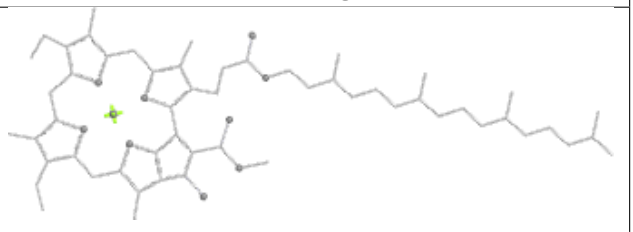
Bond lengths



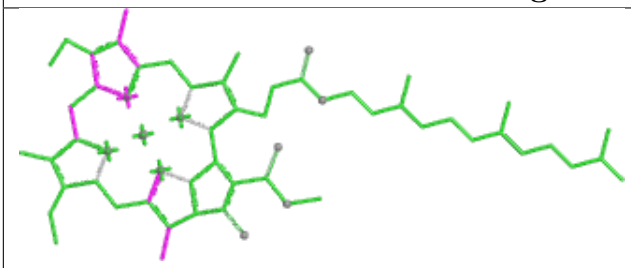
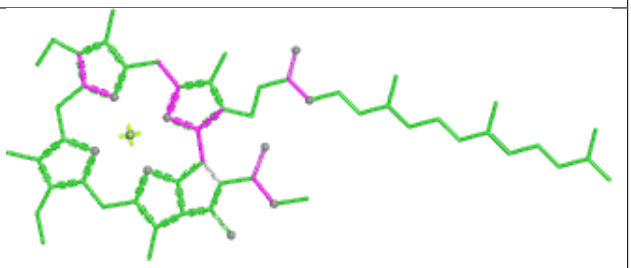
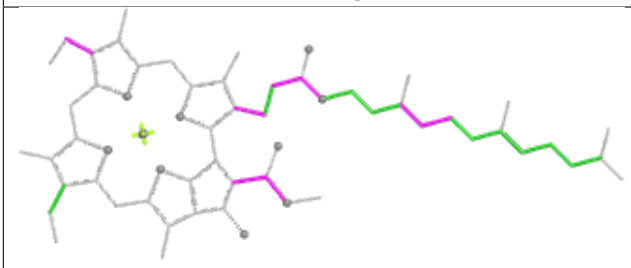
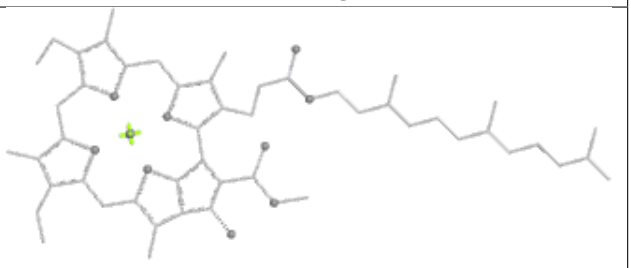
Bond angles

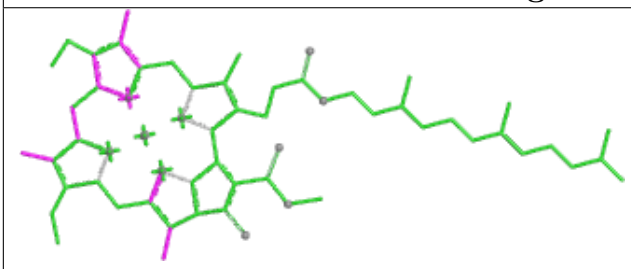
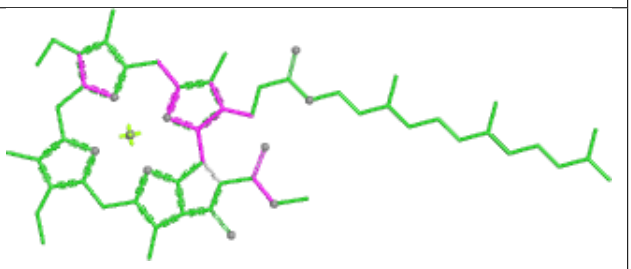
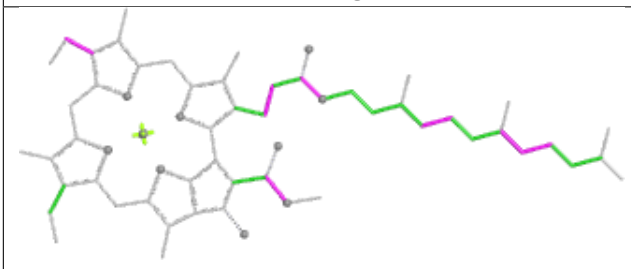
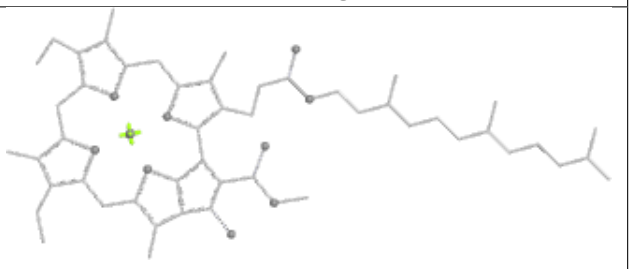


Torsions

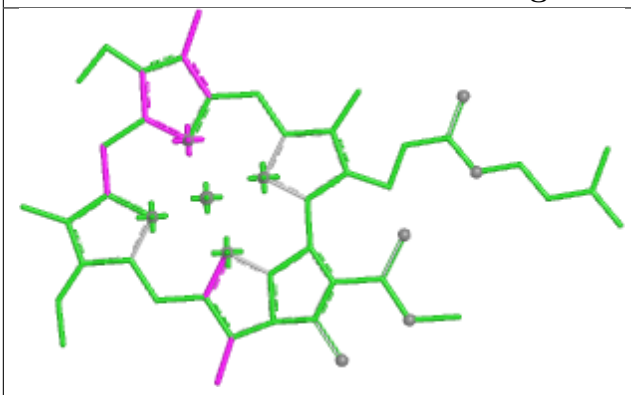


Rings

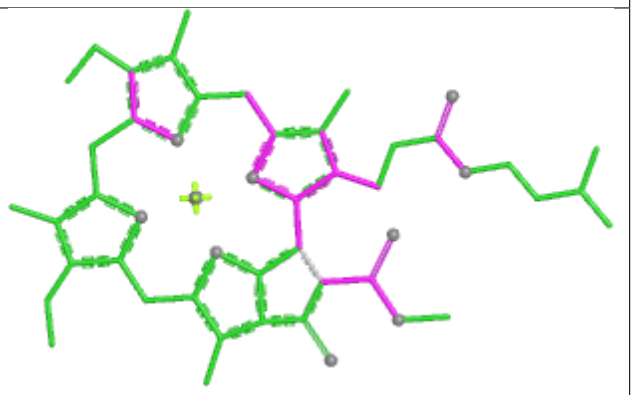
Ligand CLA t 507	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA n 509	
	
Bond lengths	Bond angles
	
Torsions	Rings

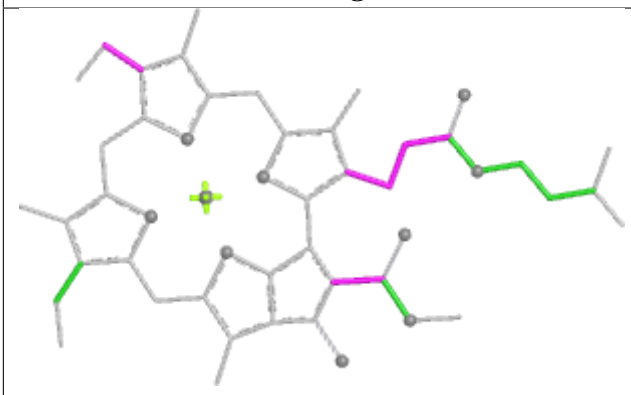
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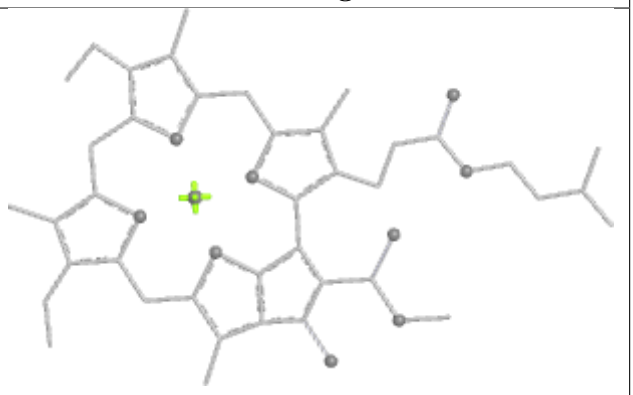
Bond lengths



Bond angles



Torsions

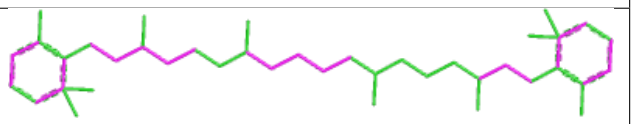


Rings

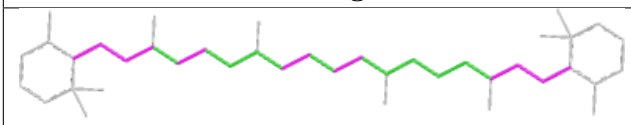
Ligand BCR x 604



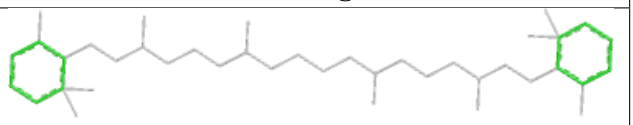
Bond lengths



Bond angles

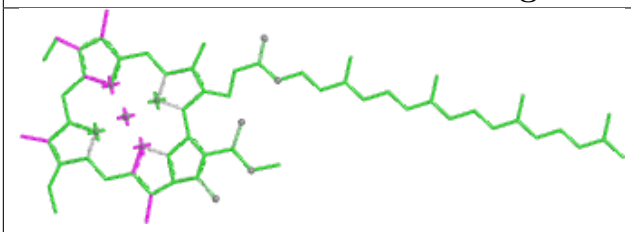


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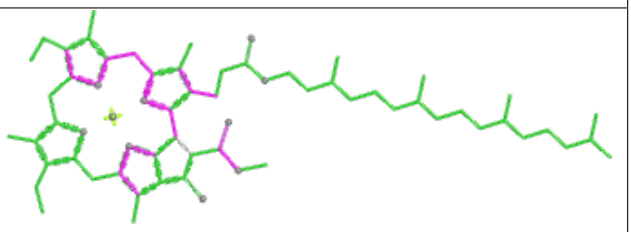


Rings

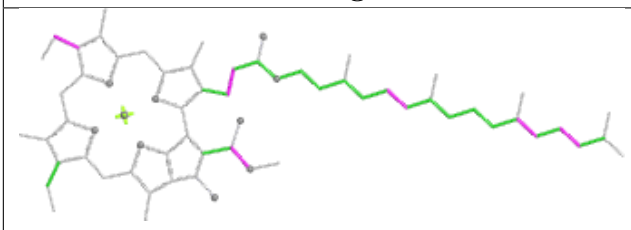
Ligand CLA a 1022



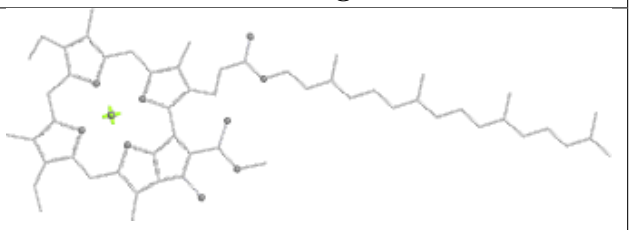
Bond lengths



Bond angles

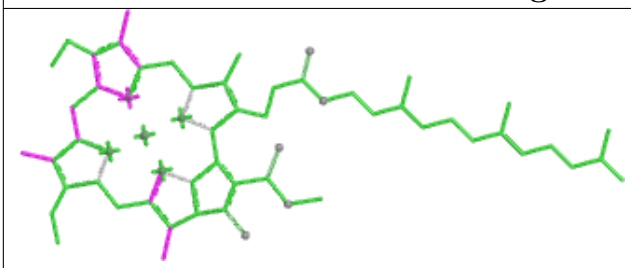


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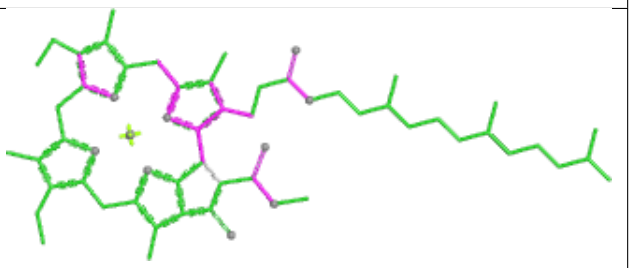


Rings

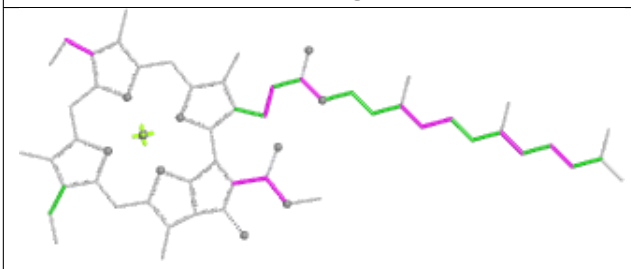
Ligand CLA r 504



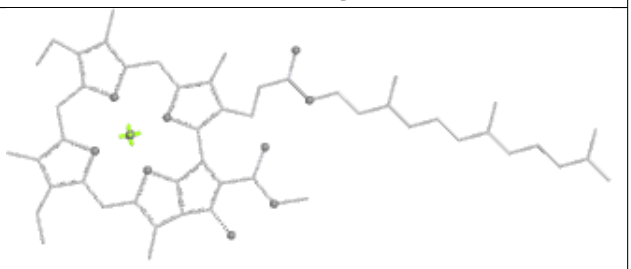
Bond lengths



Bond angles



Torsions

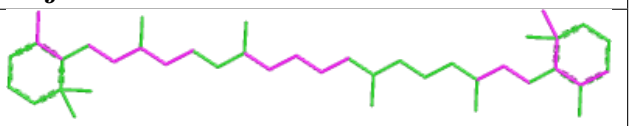


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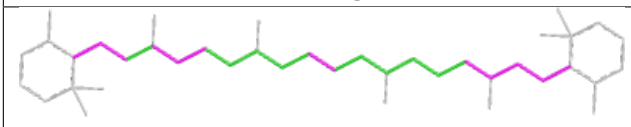
Ligand BCR j 4015



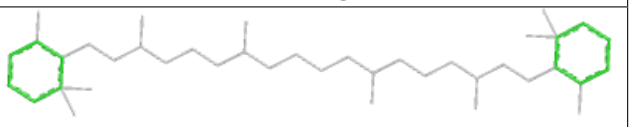
Bond lengths



Bond angles

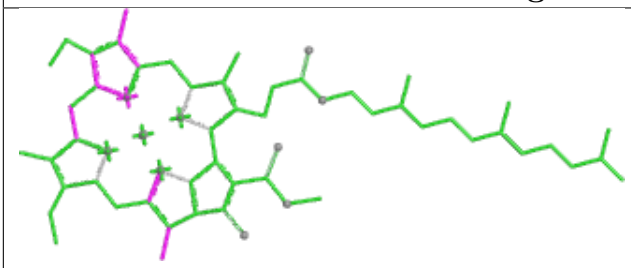


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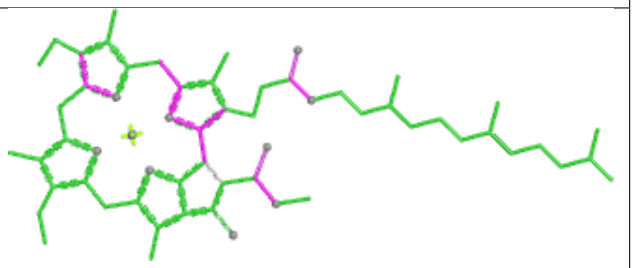


Rings

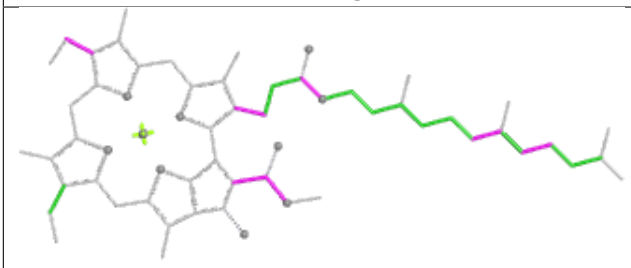
Ligand CLA n 504



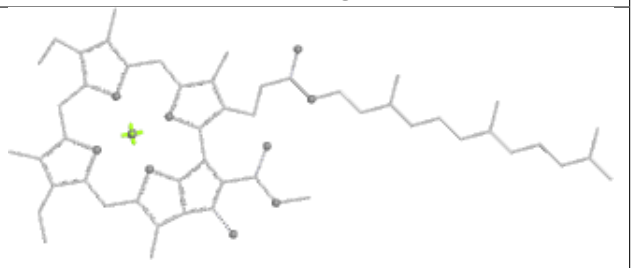
Bond lengths



Bond angles

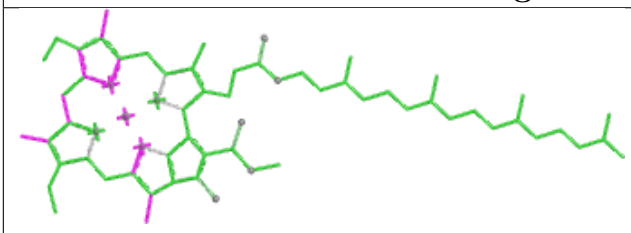


Torsions

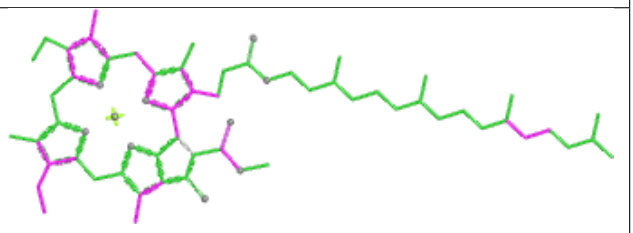


Rings

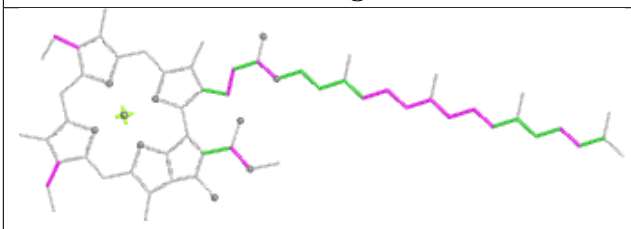
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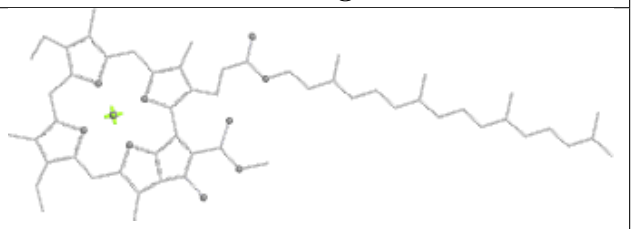
Bond lengths



Bond angles



Torsions

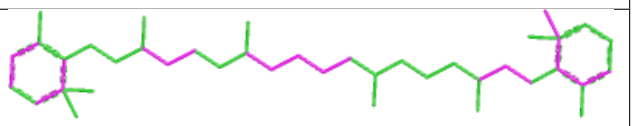


Rings

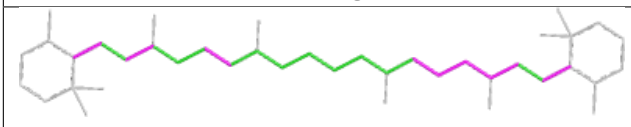
Ligand BCR X 602



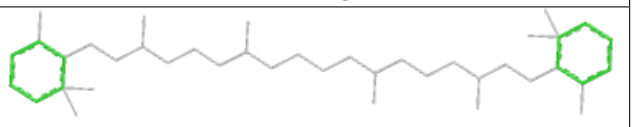
Bond lengths



Bond angles

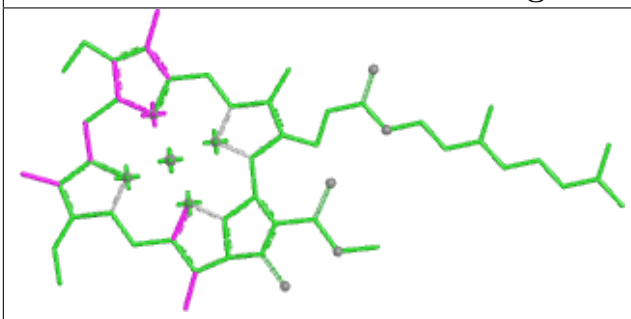


Torsions

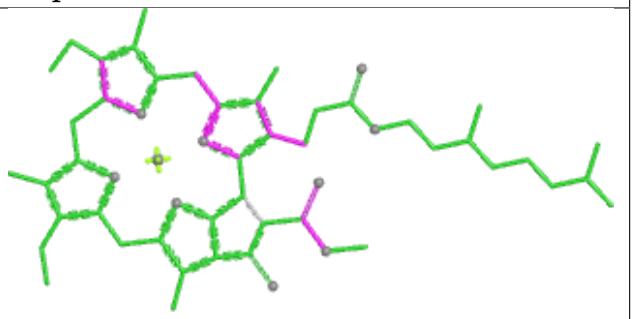


Rings

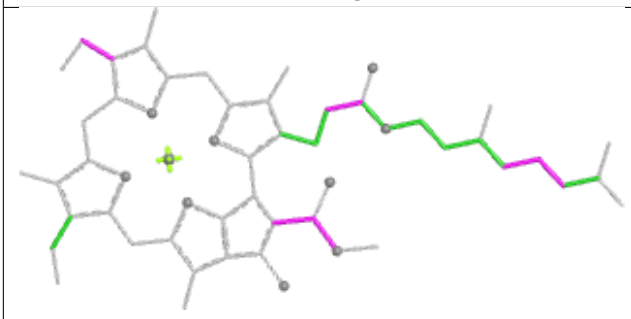
Ligand CLA p 517



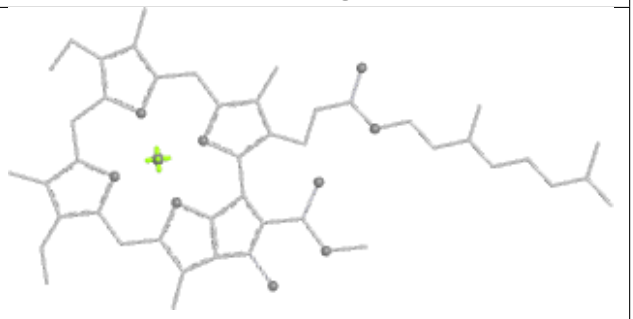
Bond lengths



Bond angles

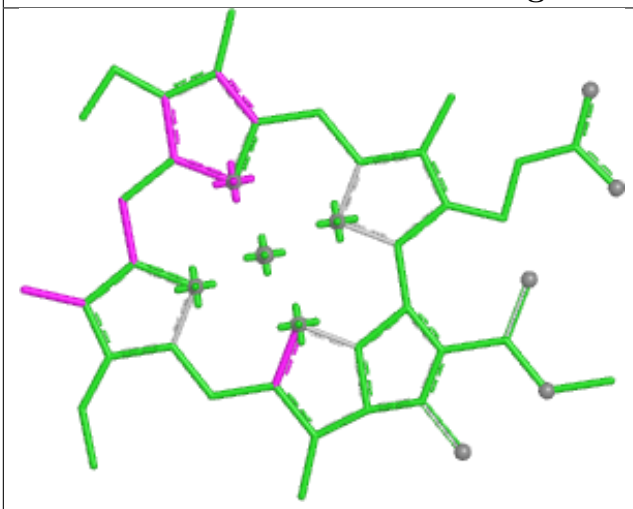


Torsions

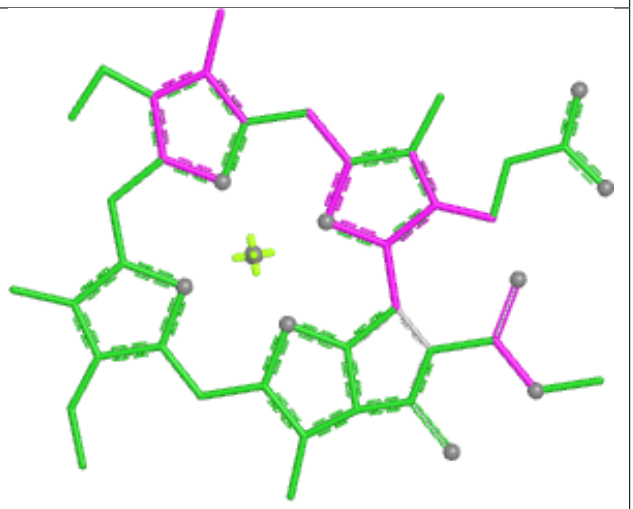


Rings

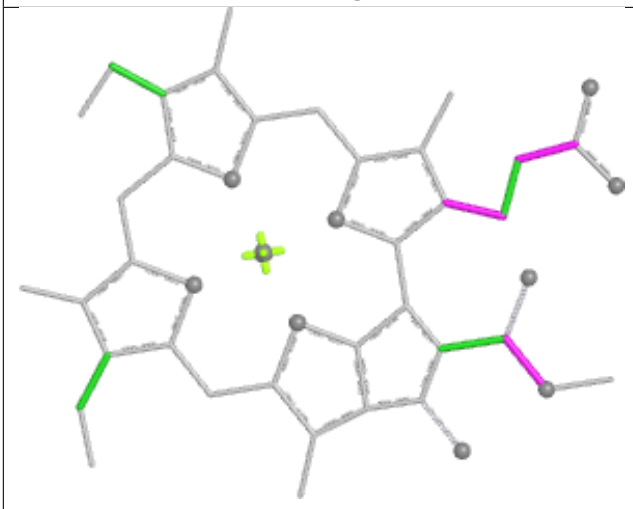
Ligand CLA h 512



Bond lengths



Bond angles

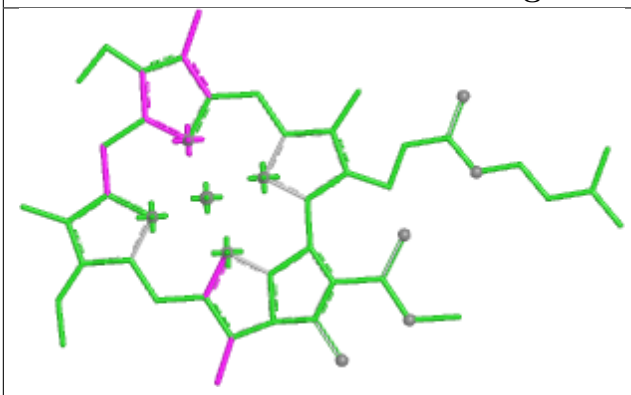


Torsions

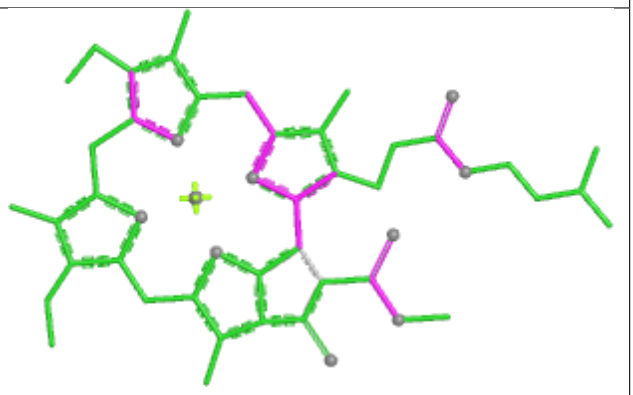


Rings

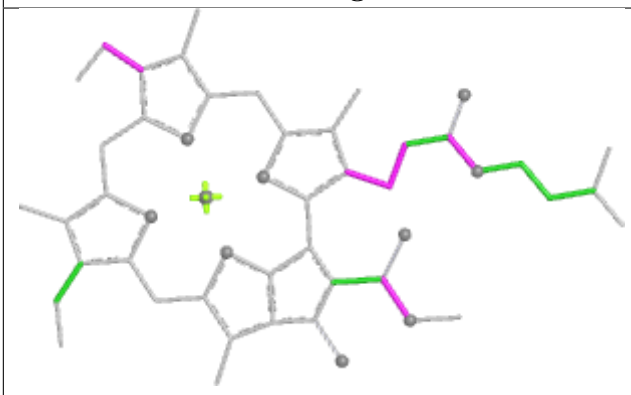
Ligand CLA X 513



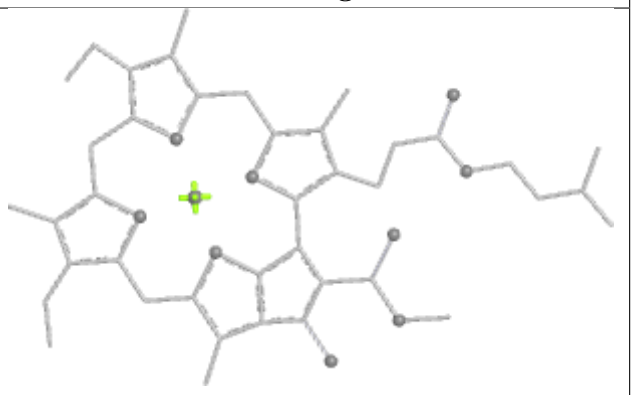
Bond lengths



Bond angles



Torsions

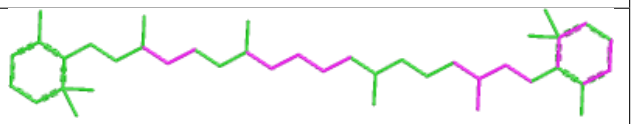


Rings

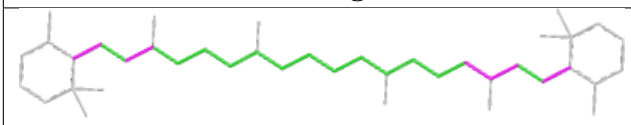
Ligand BCR G 4005



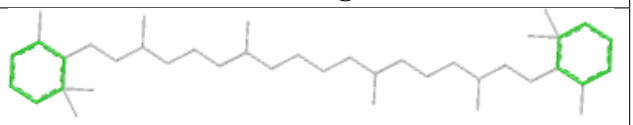
Bond lengths



Bond angles

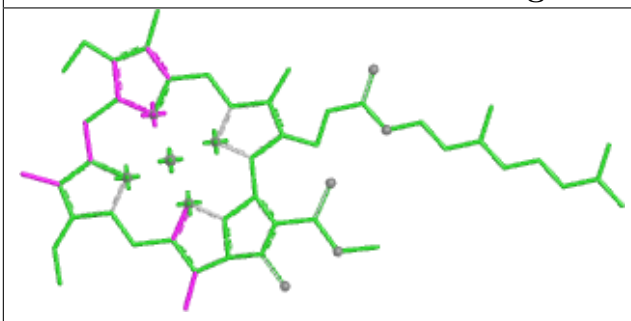


Torsions

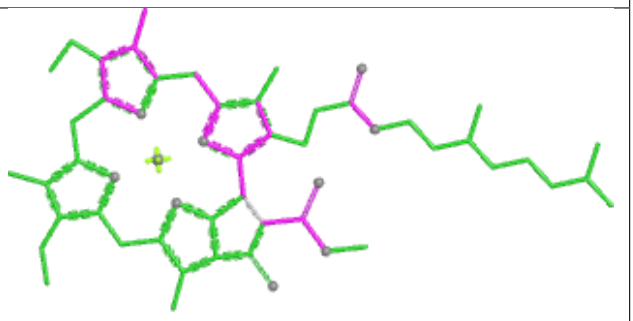


Rings

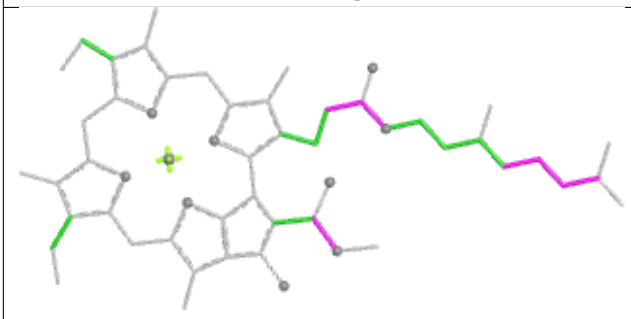
Ligand CLA u 517



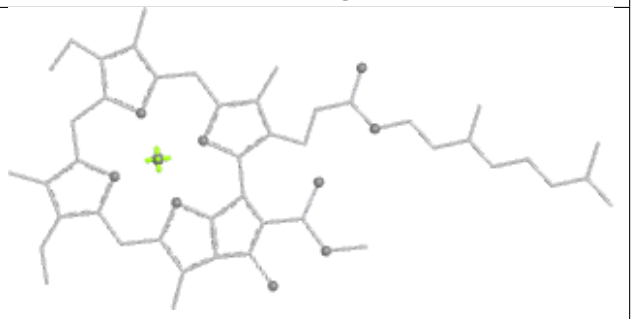
Bond lengths



Bond angles

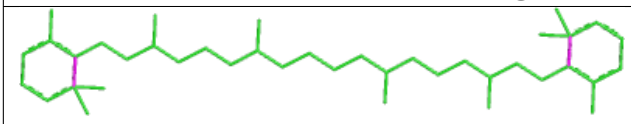


Torsions

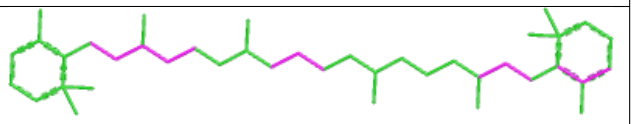


Rings

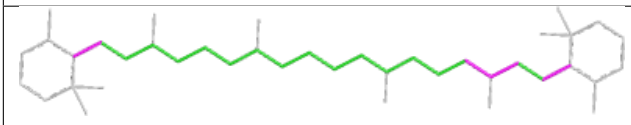
Ligand BCR H 4002



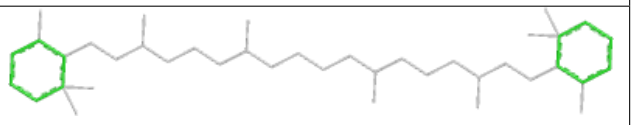
Bond lengths



Bond angles

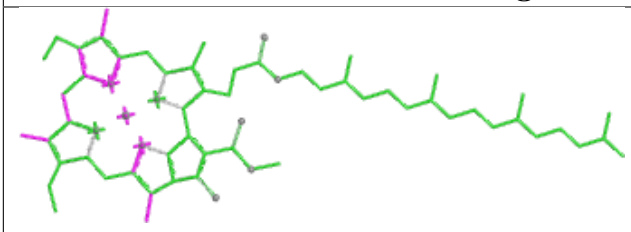


Torsions

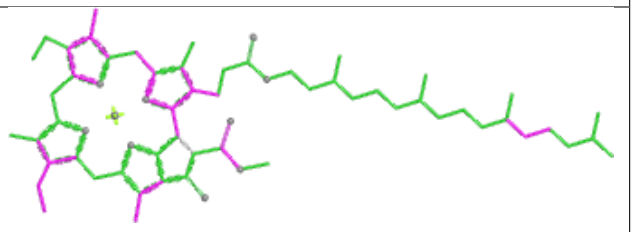


Rings

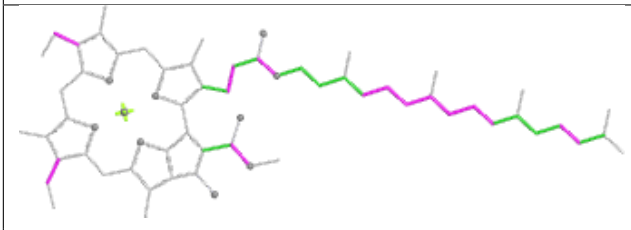
Ligand CLA B 1023



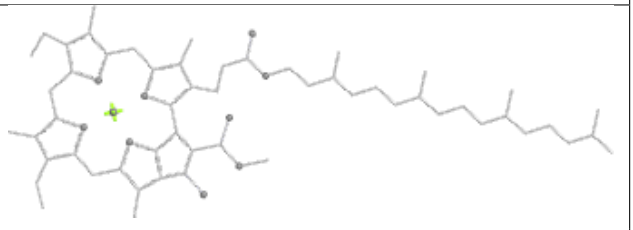
Bond lengths



Bond angles

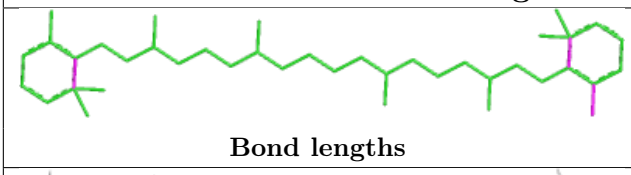


Torsions

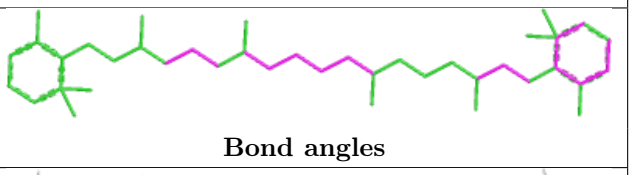


Rings

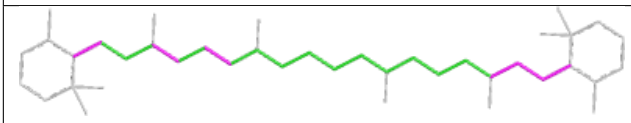
Ligand BCR G 4017



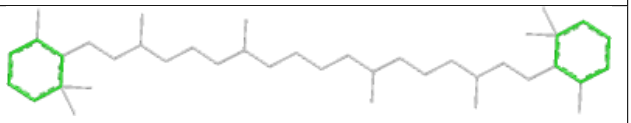
Bond lengths



Bond angles



Torsions

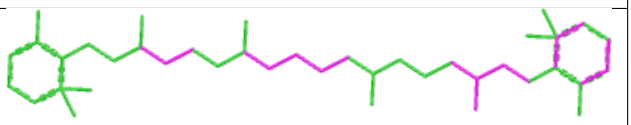


Rings

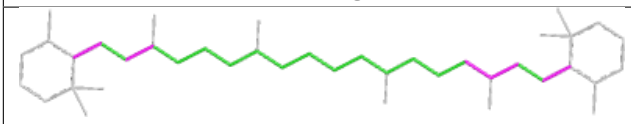
Ligand BCR b 4005



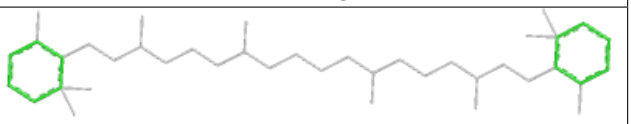
Bond lengths



Bond angles

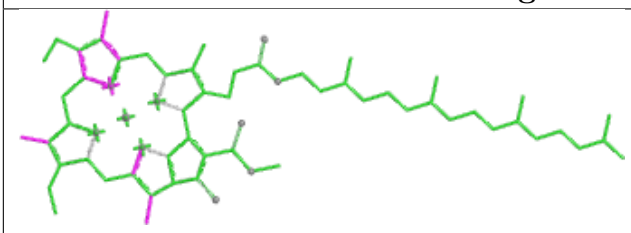


Torsions

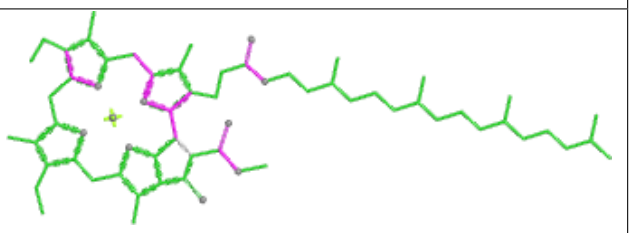


Rings

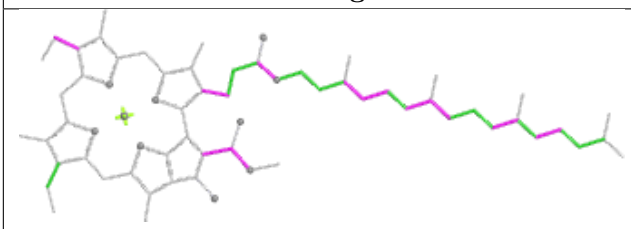
Ligand CLA b 1239



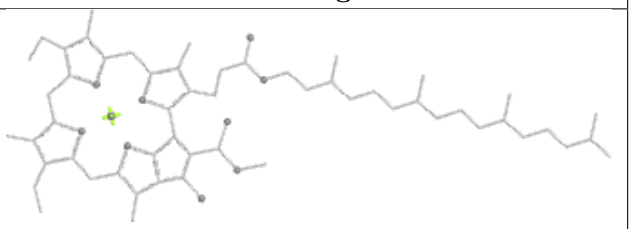
Bond lengths



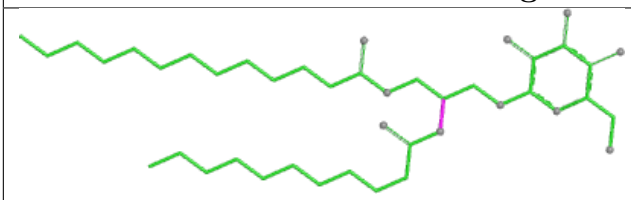
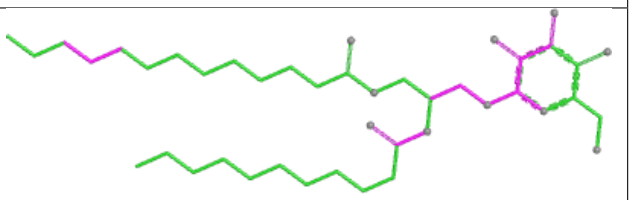
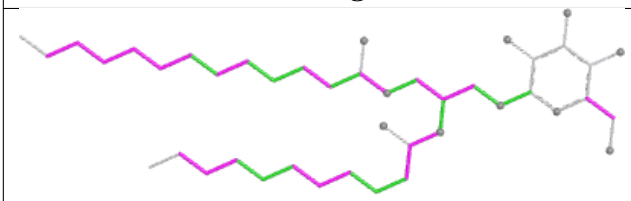
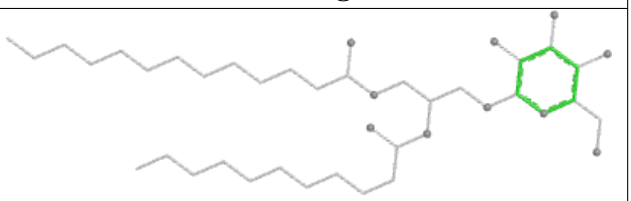
Bond angles

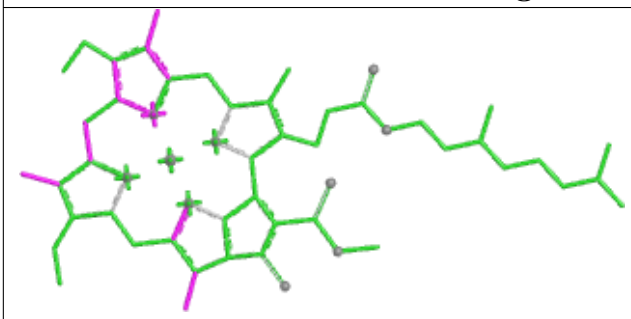
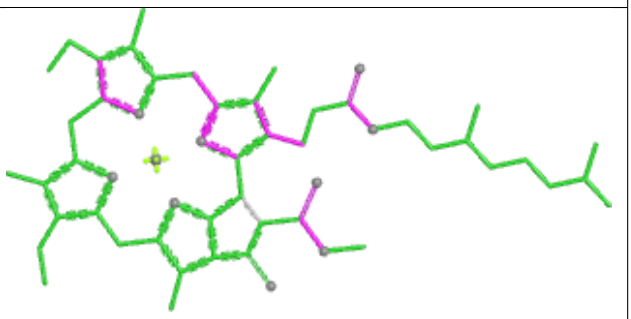
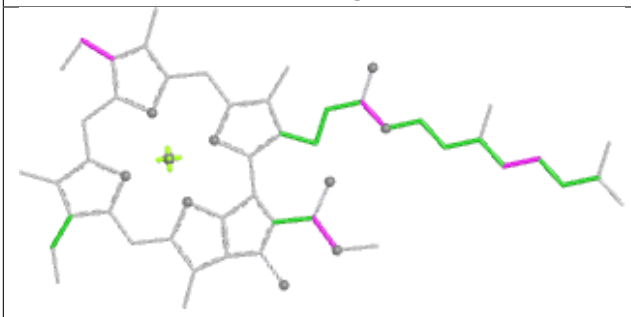
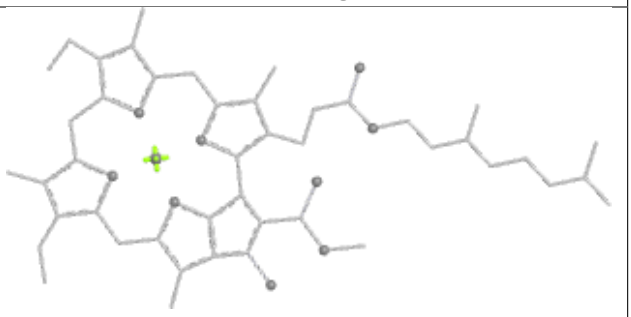


Torsions

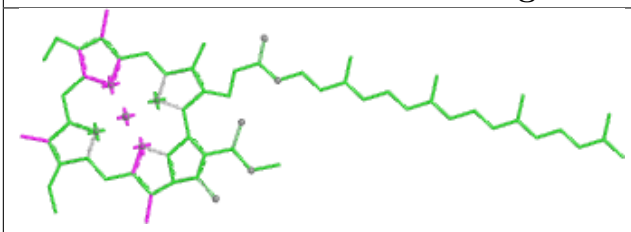


Rings

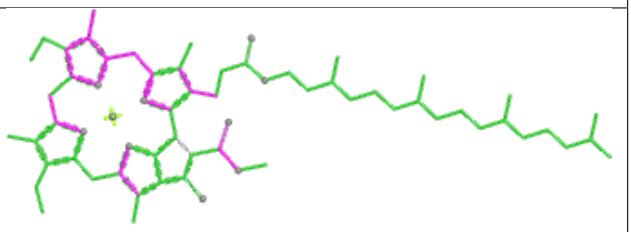
Ligand LMG B 848	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA B 1222	
 Bond lengths	 Bond angles
 Torsions	 Rings

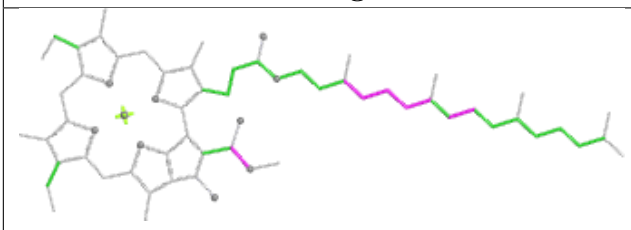
Ligand CLA b 1226



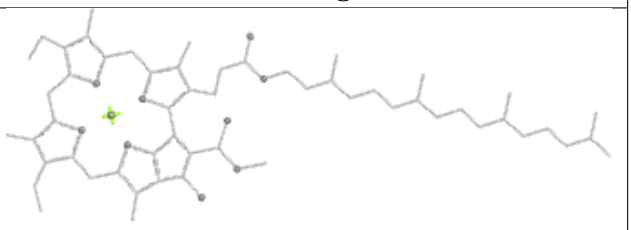
Bond lengths



Bond angles

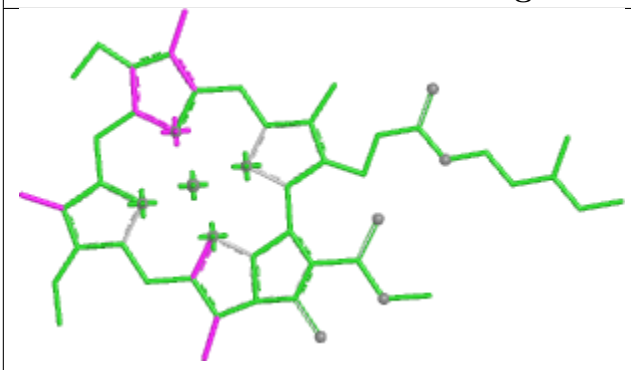


Torsions

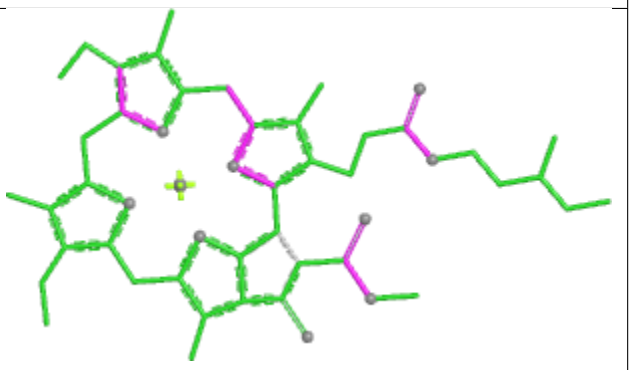


Rings

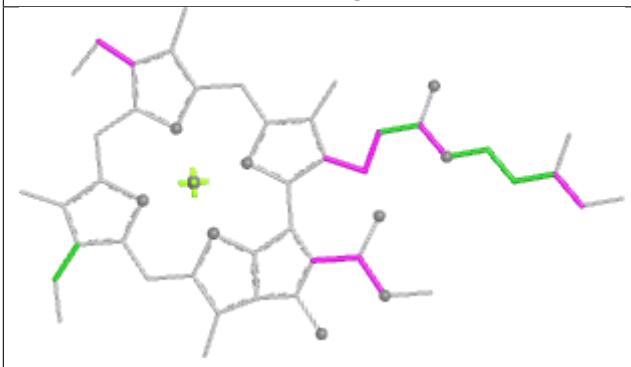
Ligand CLA A 1121



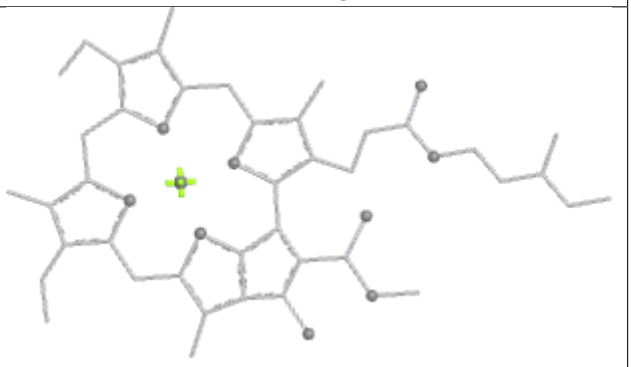
Bond lengths



Bond angles

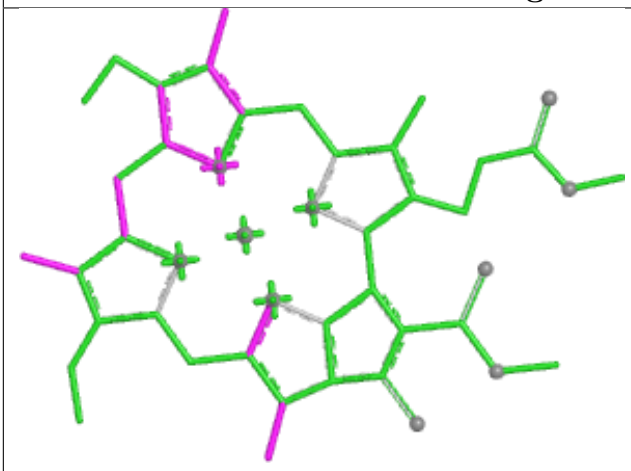


Torsions

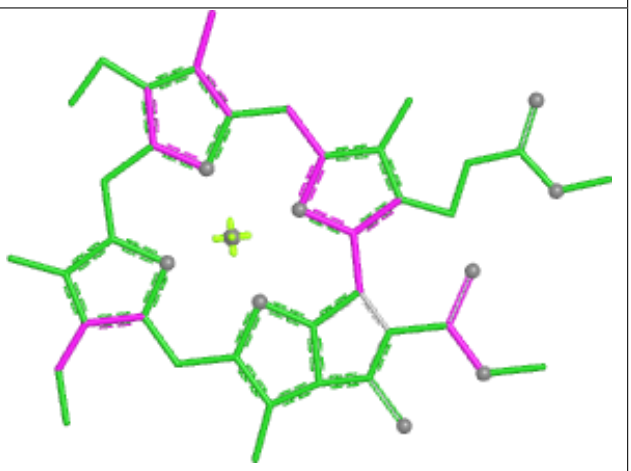


Rings

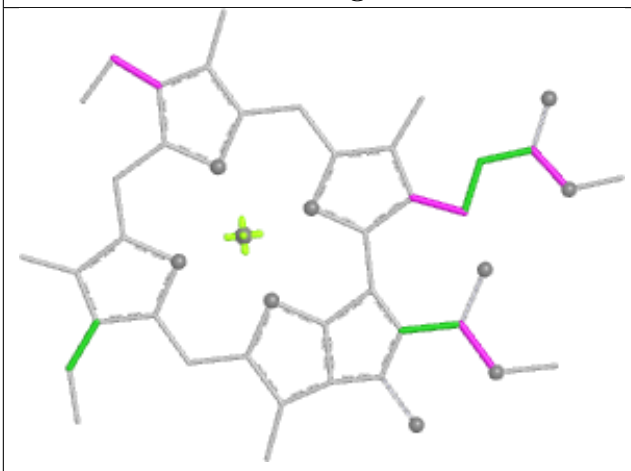
Ligand CLA Z 516



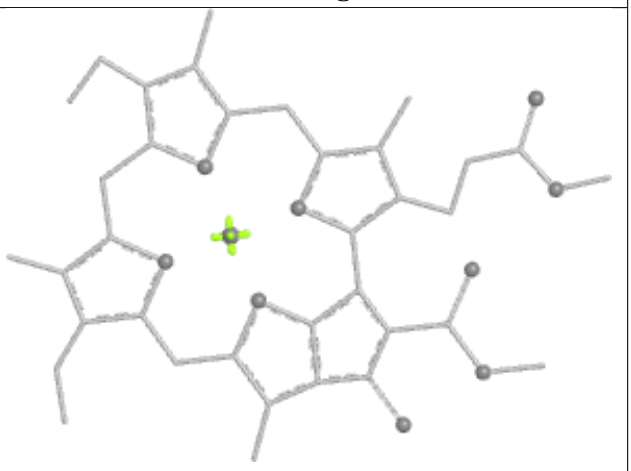
Bond lengths



Bond angles

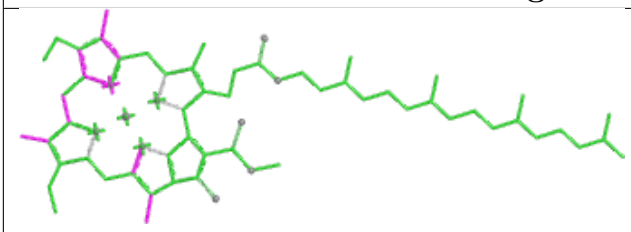


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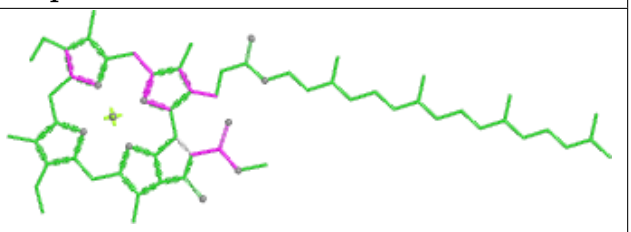


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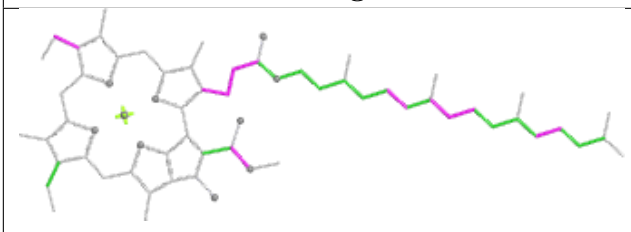
Ligand CLA p 505



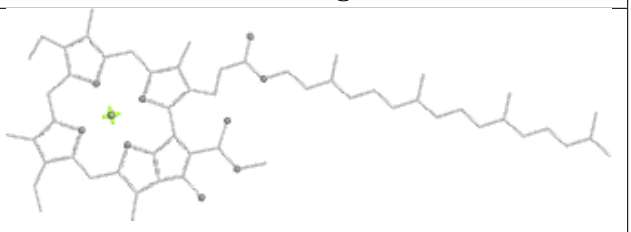
Bond lengths



Bond angles

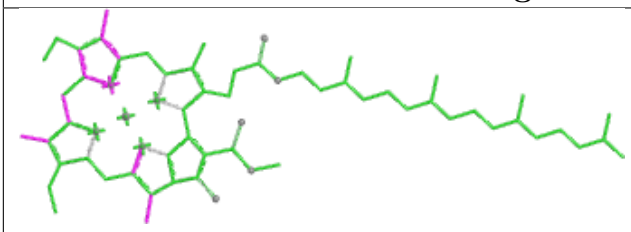


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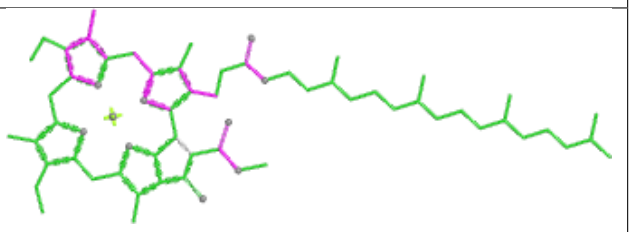


Rings

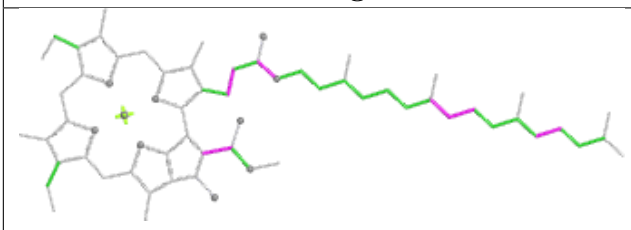
Ligand CLA G 1211



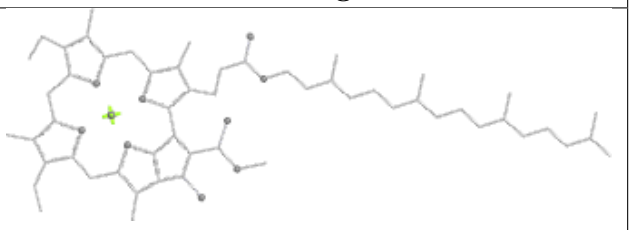
Bond lengths



Bond angles

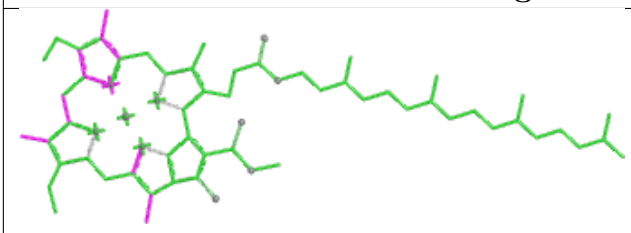


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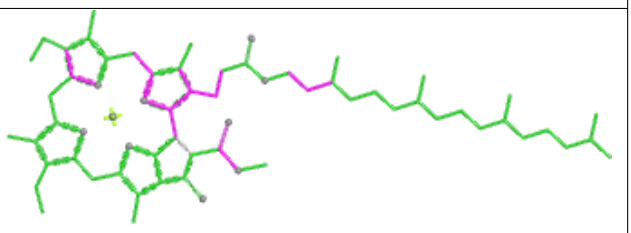


Rings

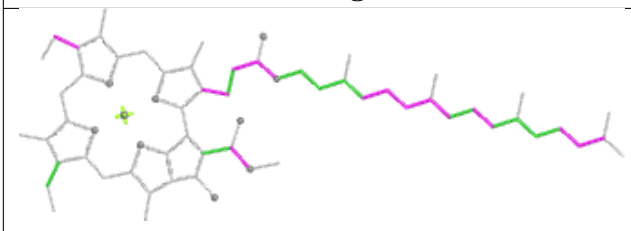
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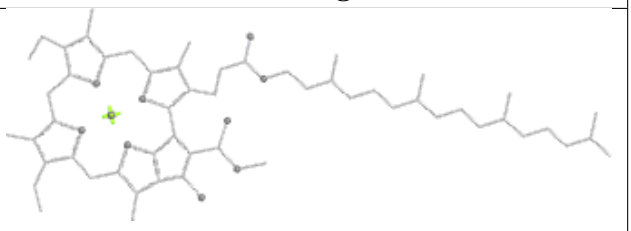
Bond lengths



Bond angles

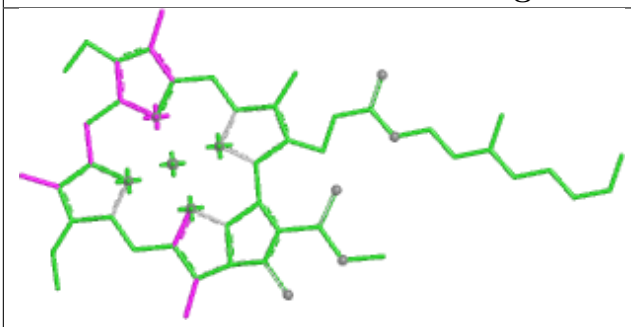


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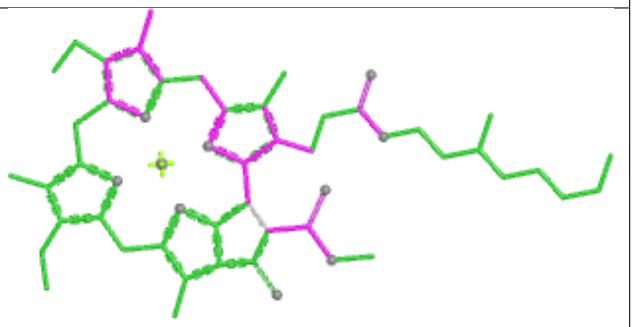


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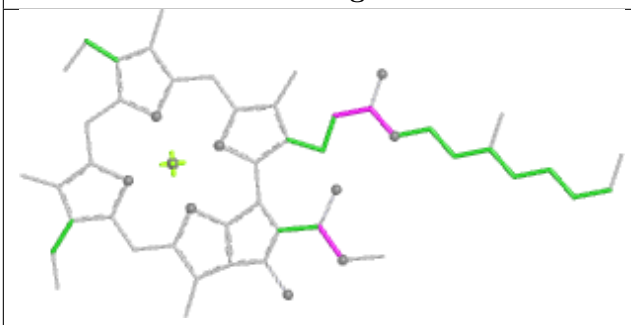
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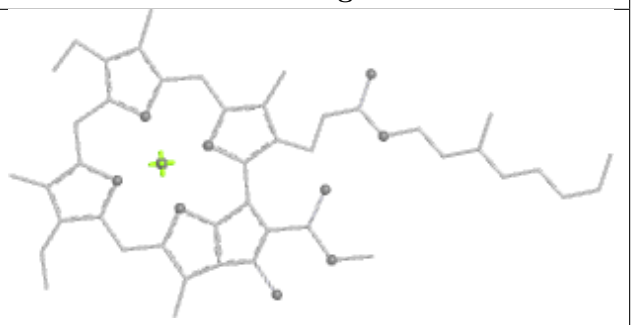
Bond lengths



Bond angles

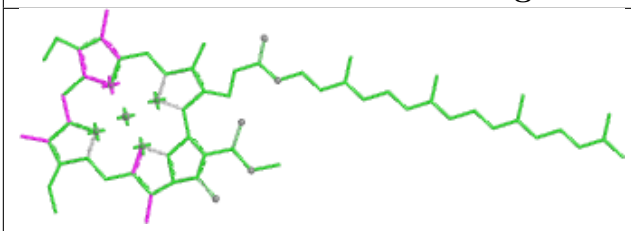


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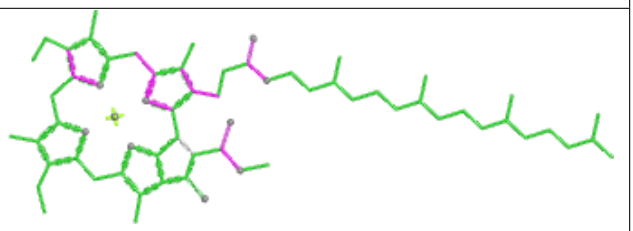


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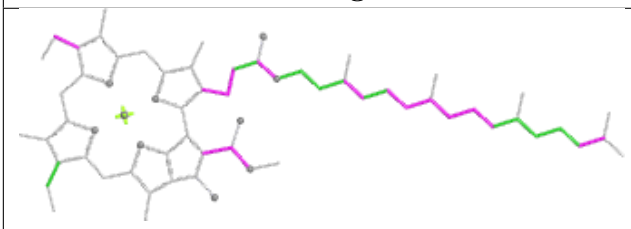
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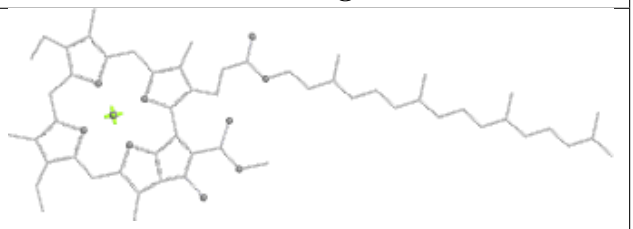
Bond lengths



Bond angles

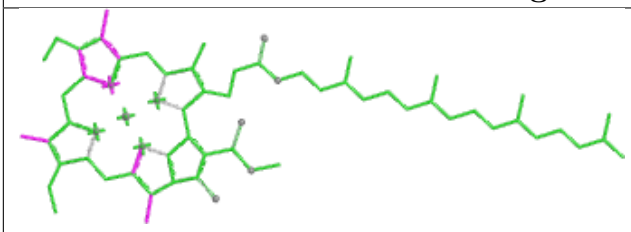


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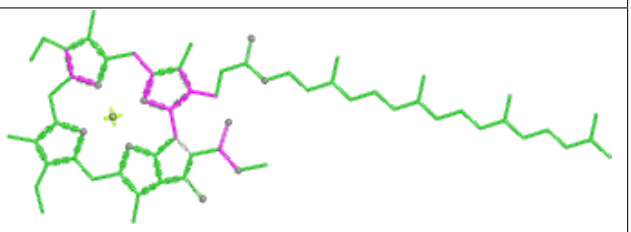


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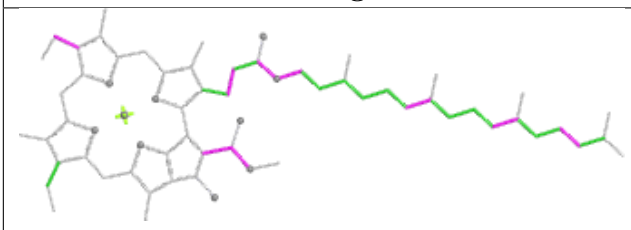
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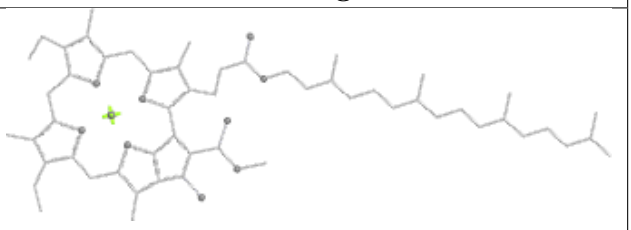
Bond lengths



Bond angles



Torsions

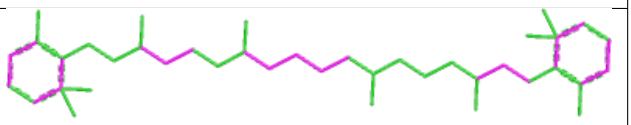


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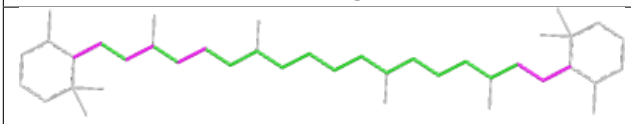
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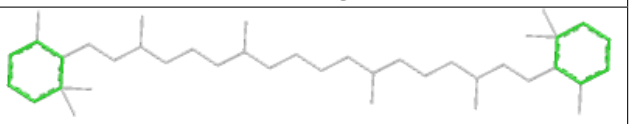
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Bond angles

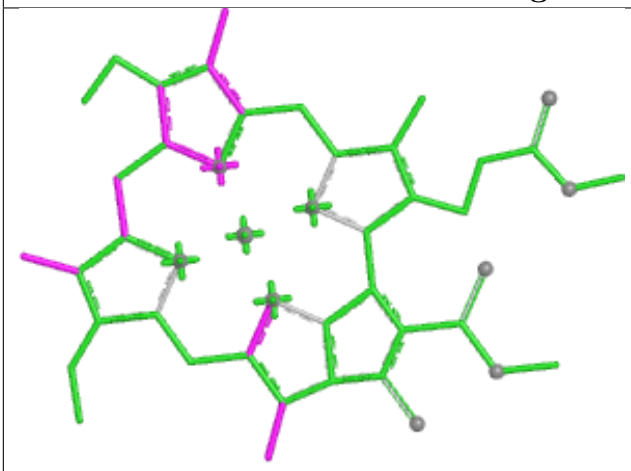


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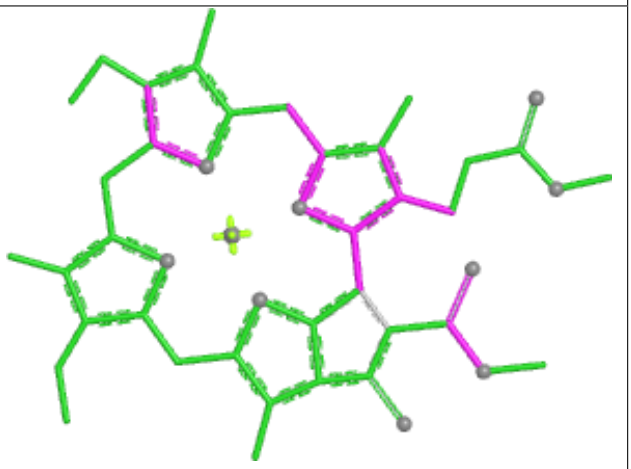


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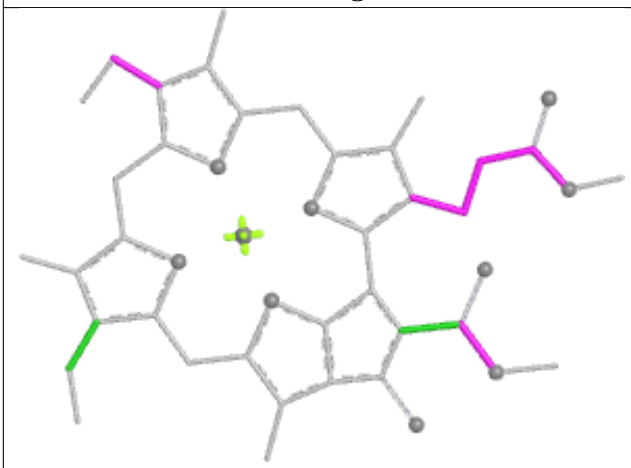
Ligand CLA r 503



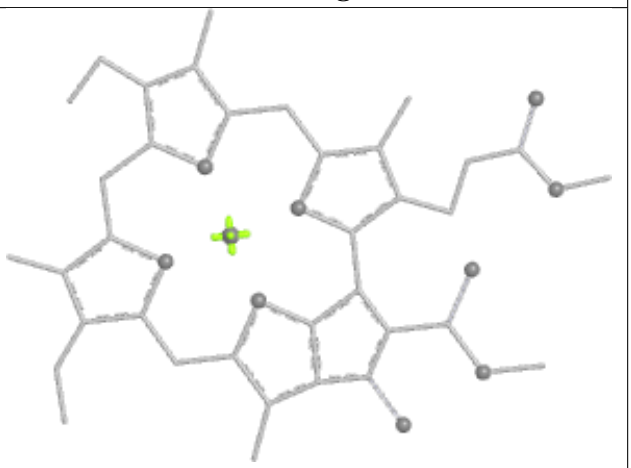
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Bond angles

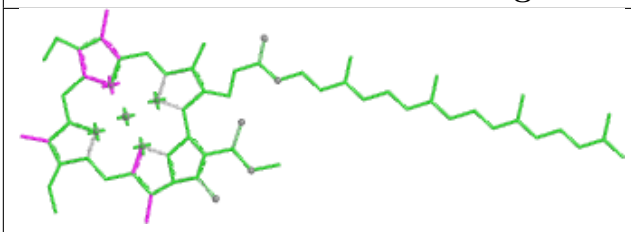


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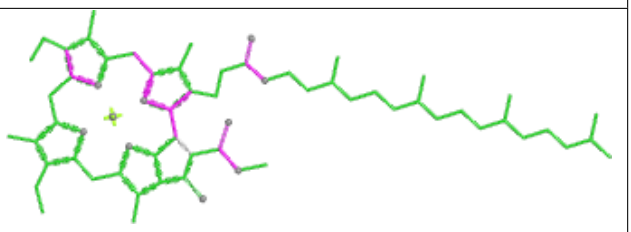


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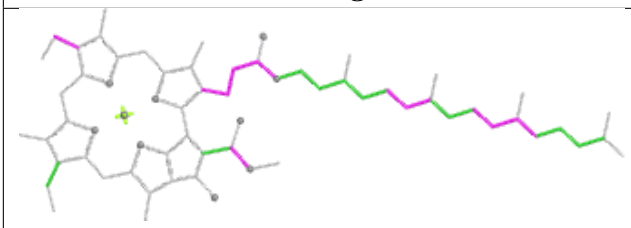
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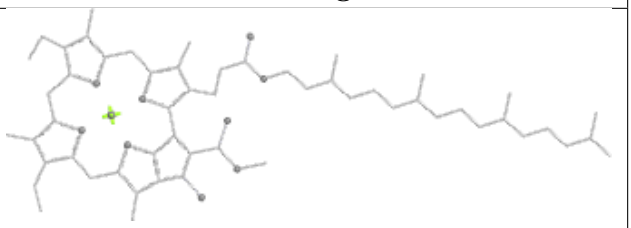
Bond lengths



Bond angles

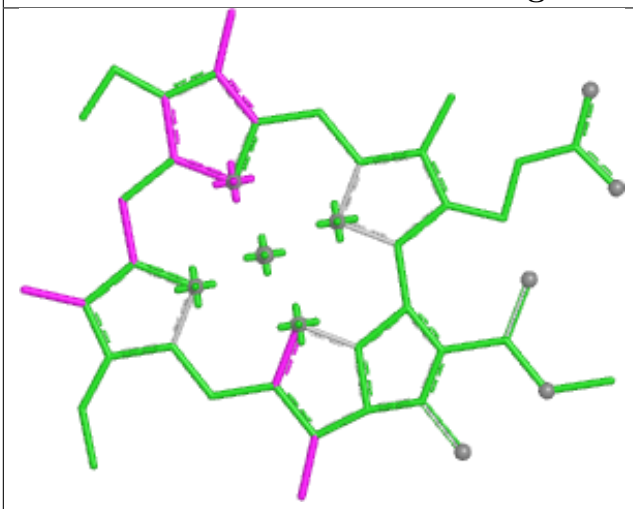


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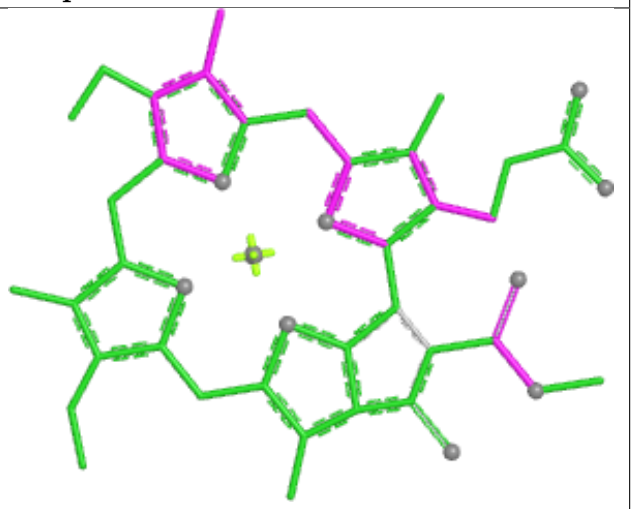


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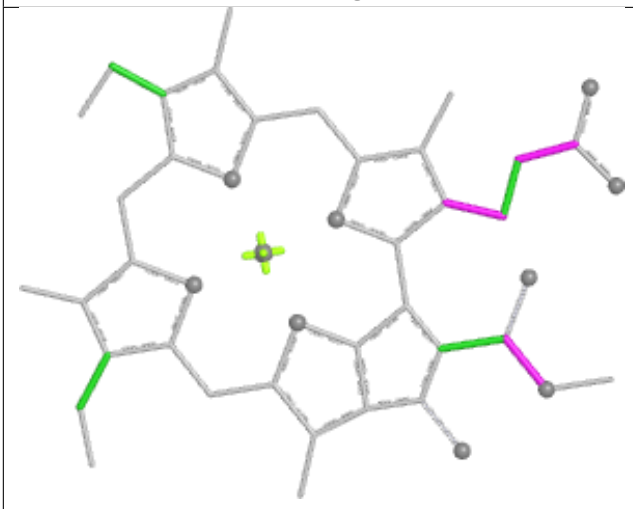
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Bond lengths



Bond angles

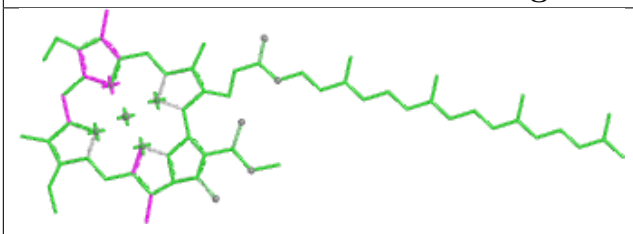


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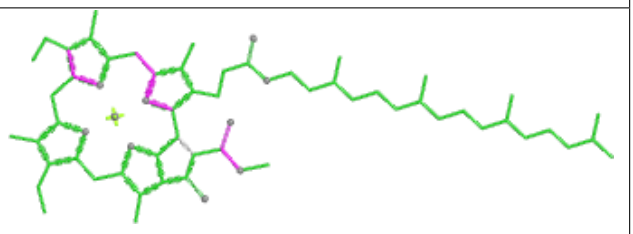


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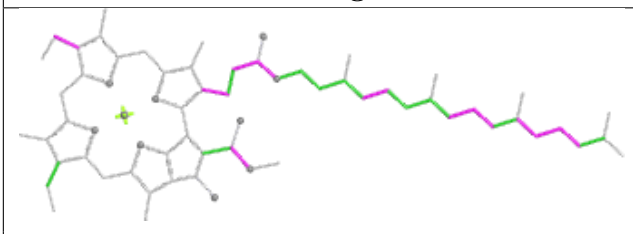
Ligand CLA t 505



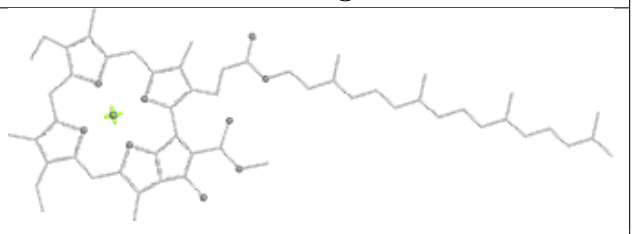
Bond lengths



Bond angles

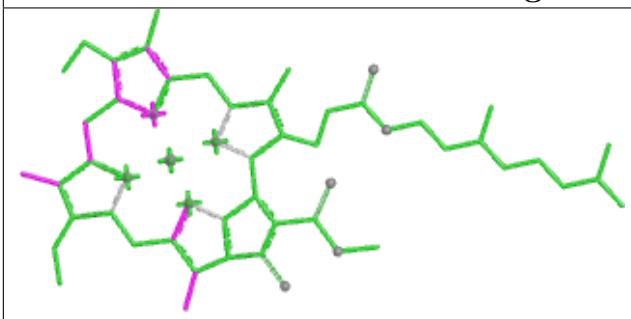


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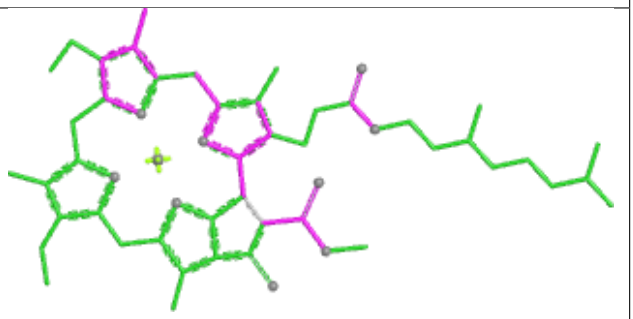


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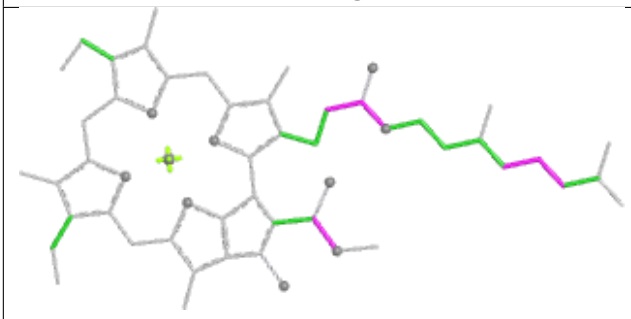
Ligand CLA w 517



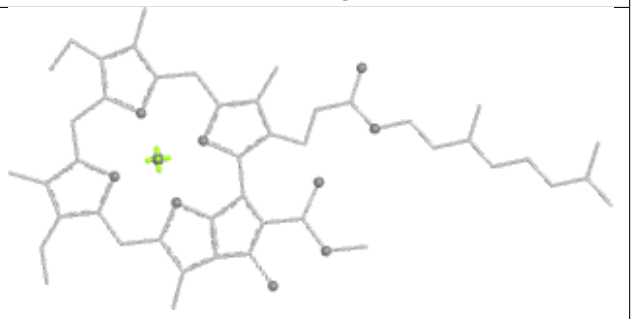
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Bond angles

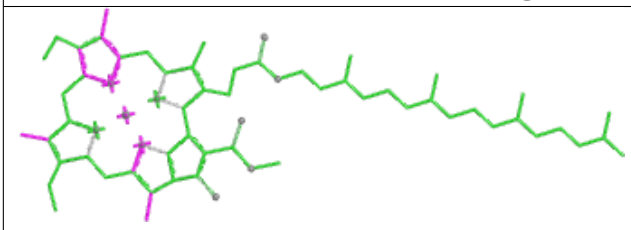


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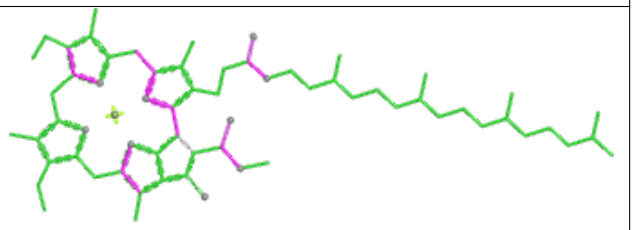


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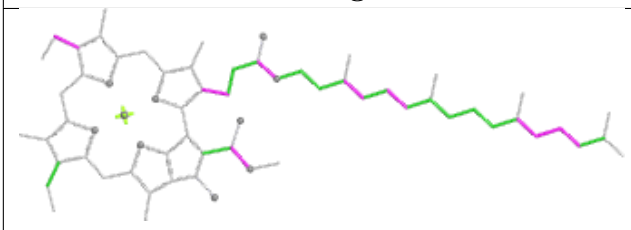
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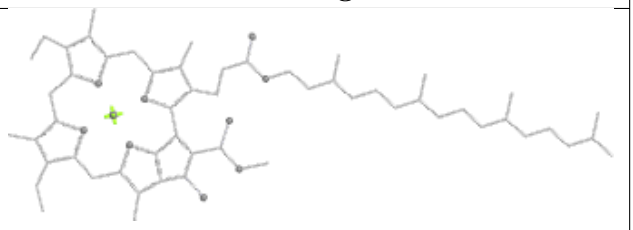
Bond lengths



Bond angles

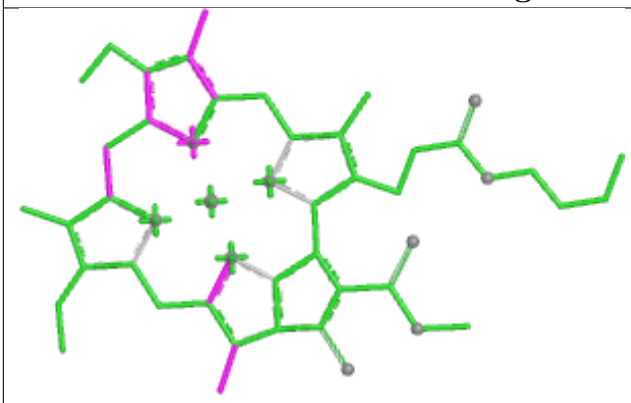


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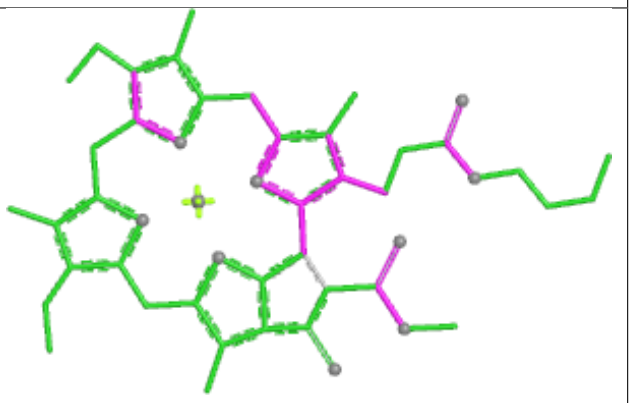


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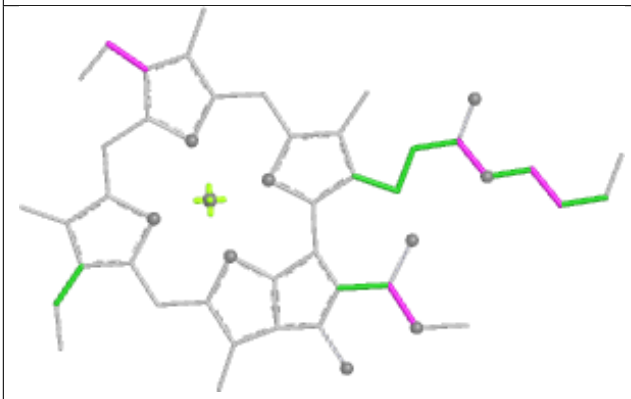
Ligand CLA H 1114



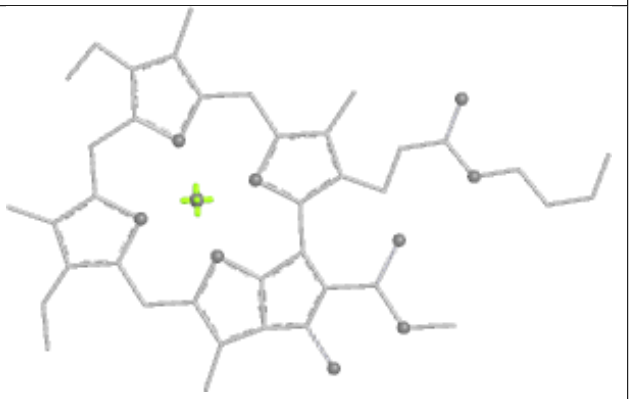
Bond lengths



Bond angles



Torsions

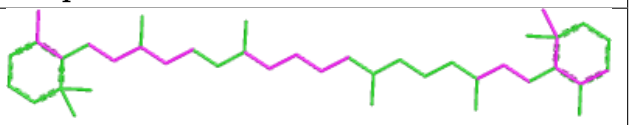


Rings

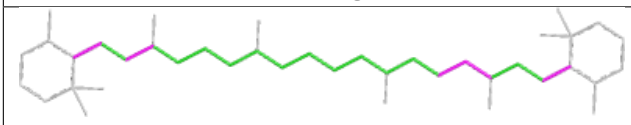
Ligand BCR q 602



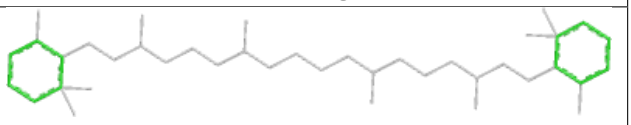
Bond lengths



Bond angles

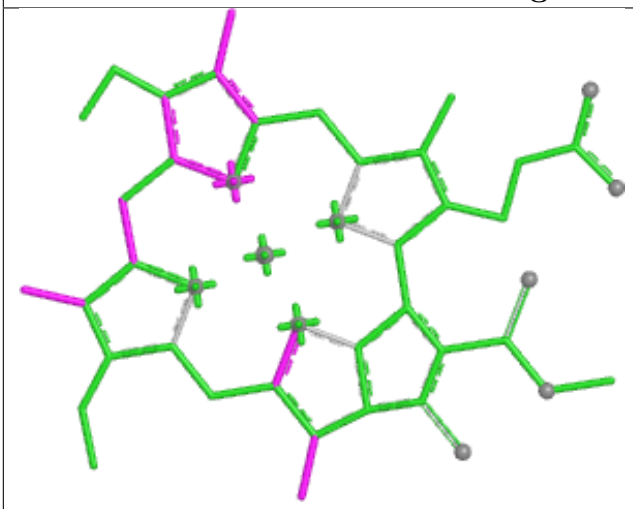


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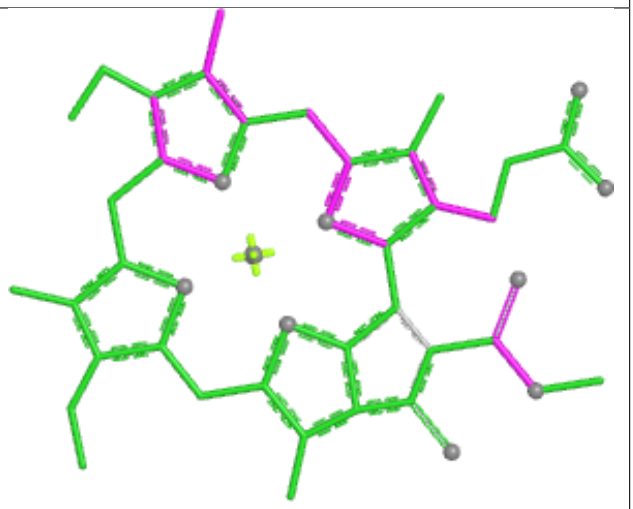


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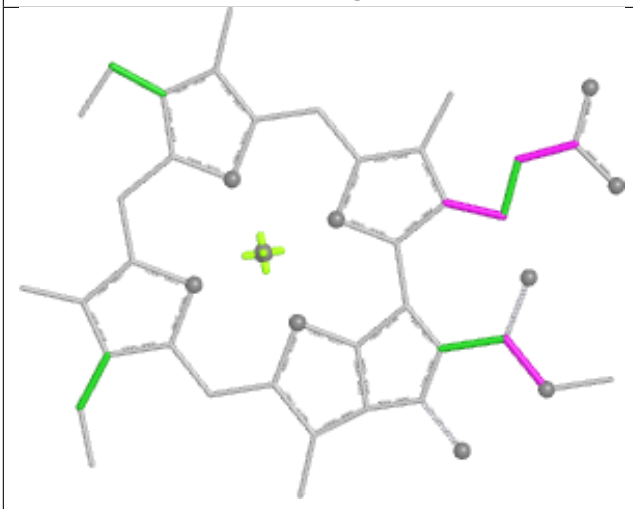
Ligand CLA t 512



Bond lengths



Bond angles

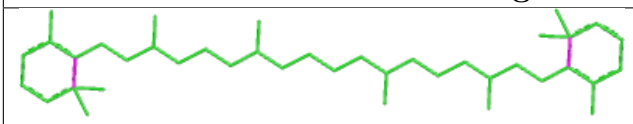


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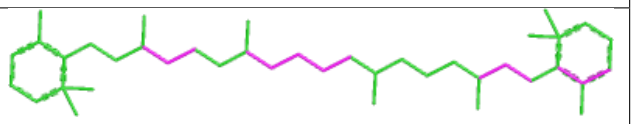


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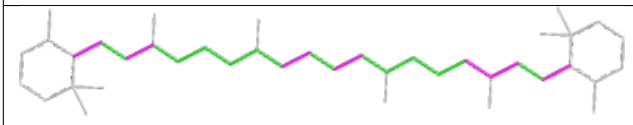
Ligand BCR U 4019



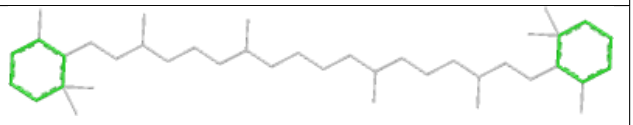
Bond lengths



Bond angles

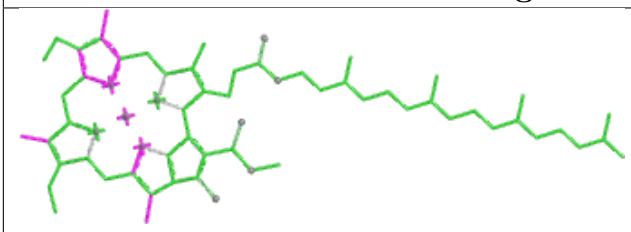


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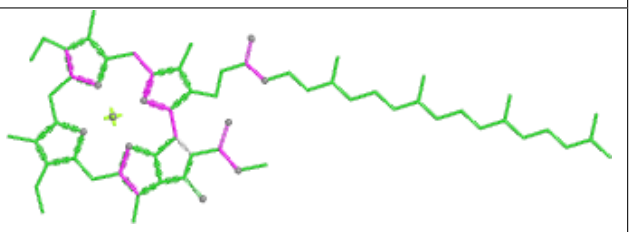


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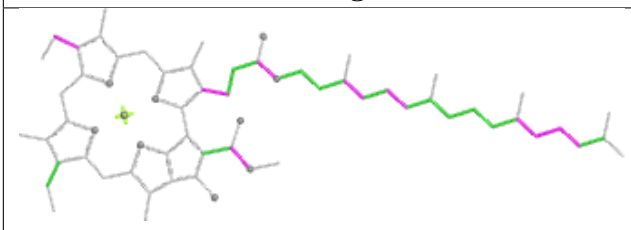
Ligand CLA B 1225



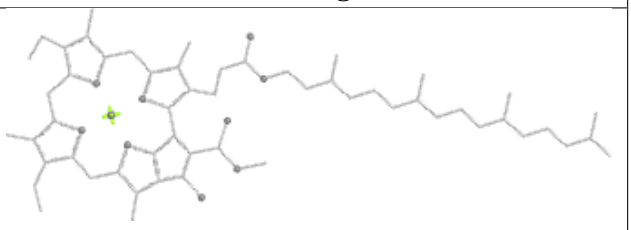
Bond lengths



Bond angles

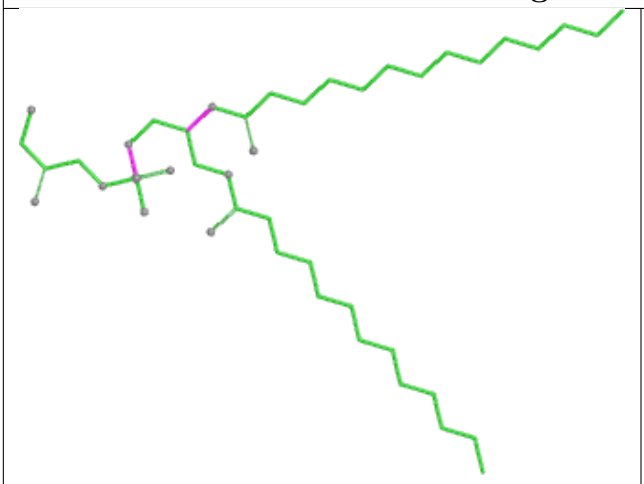


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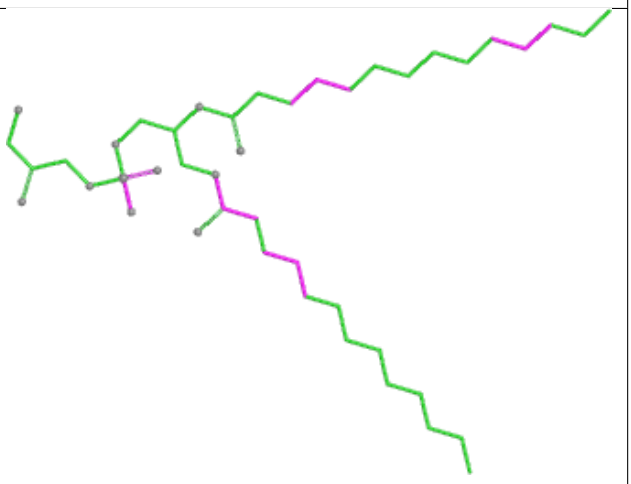


Rings

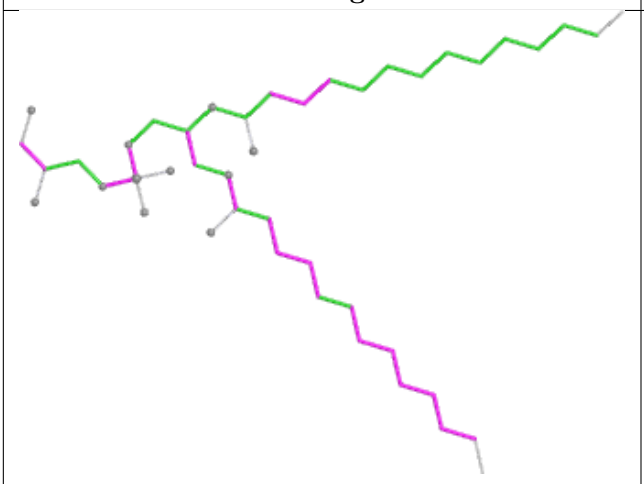
Ligand LHG i 103



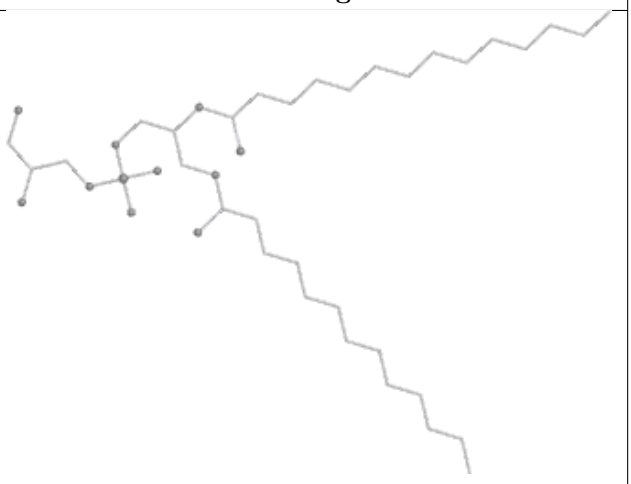
Bond lengths



Bond angles

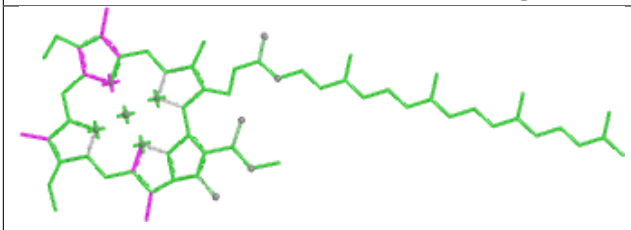


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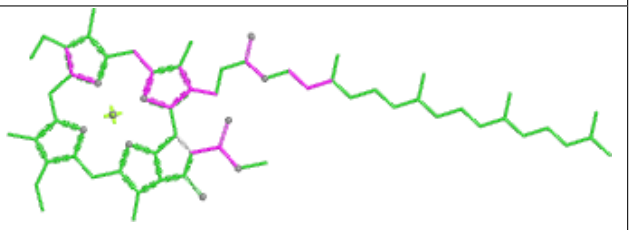


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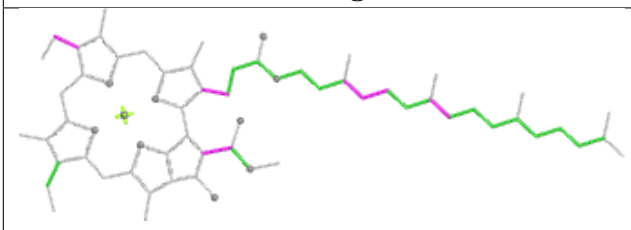
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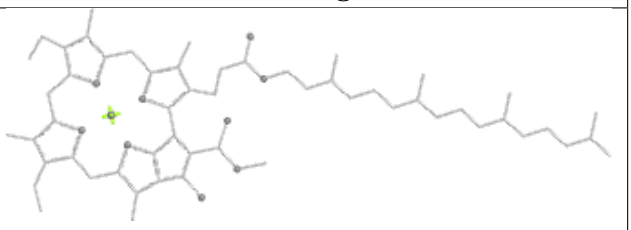
Bond lengths



Bond angles

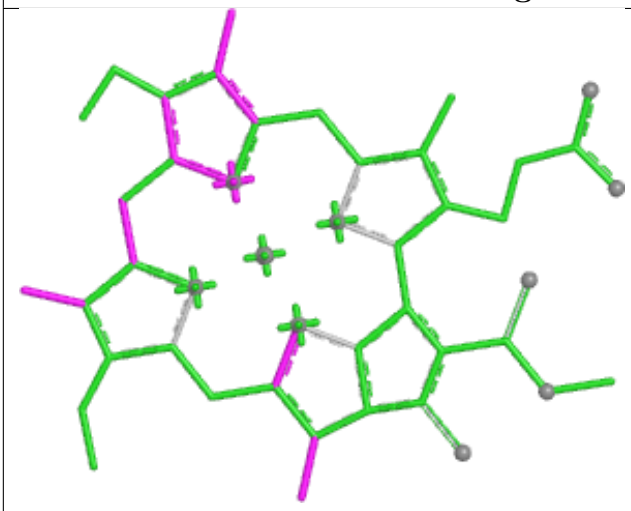


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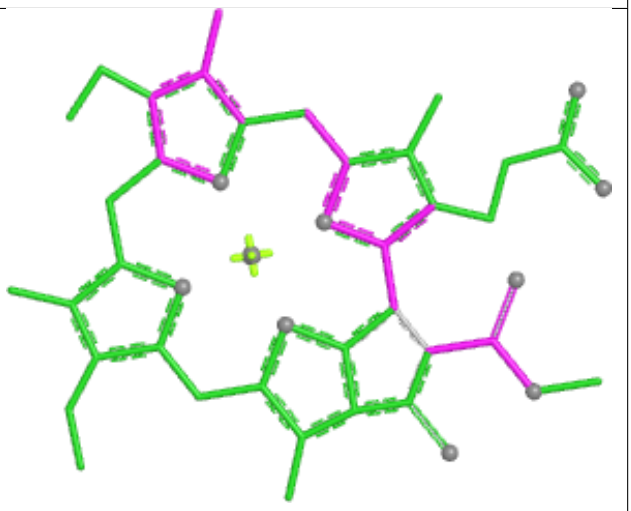


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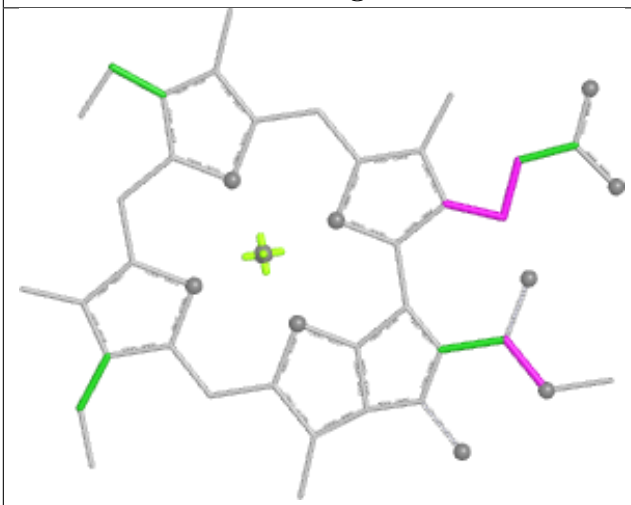
Ligand CLA H 1113



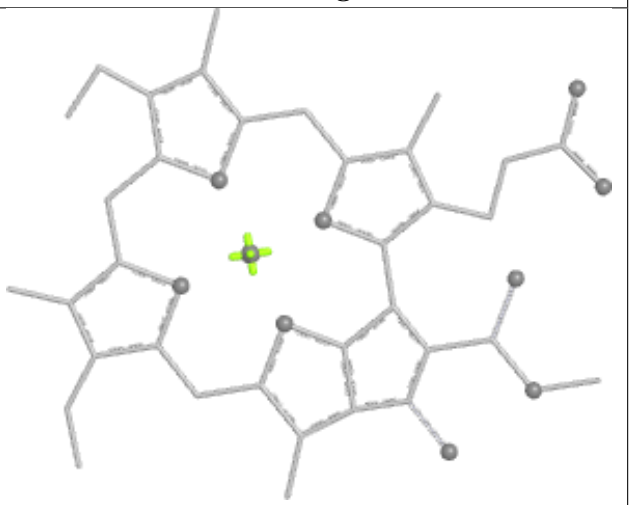
Bond lengths



Bond angles

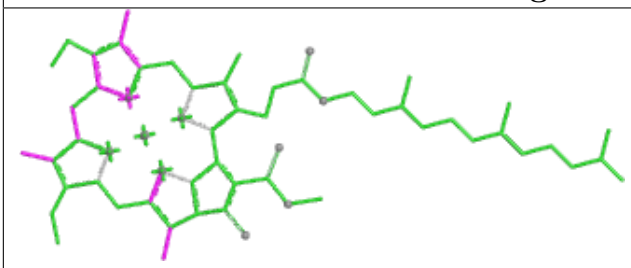


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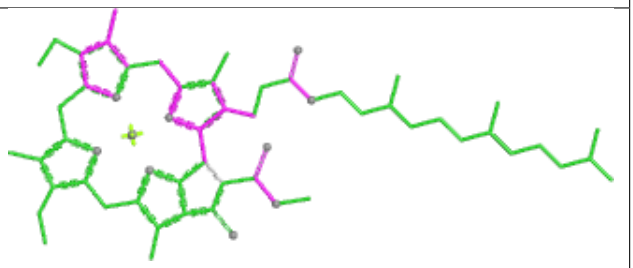


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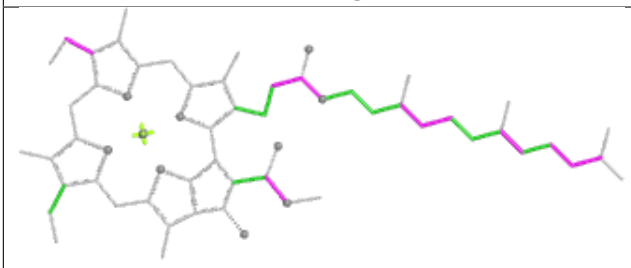
Ligand CLA s 509



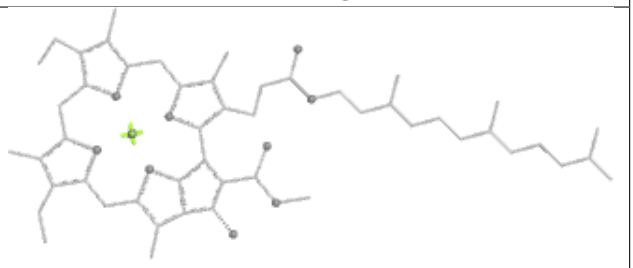
Bond lengths



Bond angles

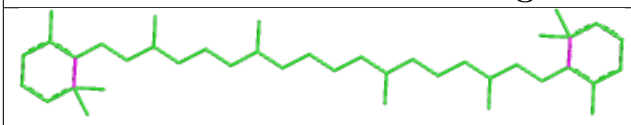


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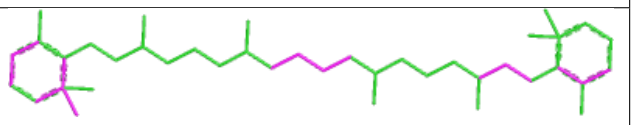


Rings

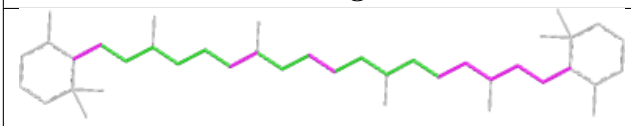
Ligand BCR S 4013



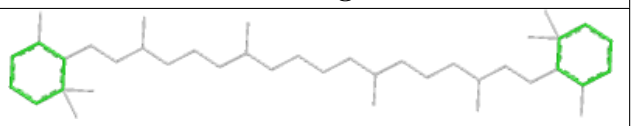
Bond lengths



Bond angles

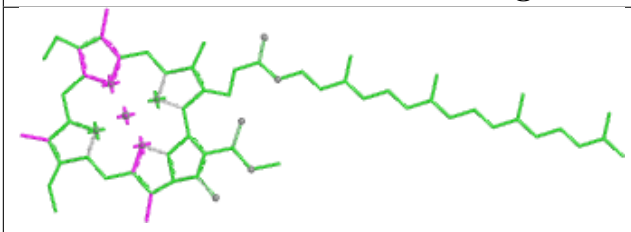


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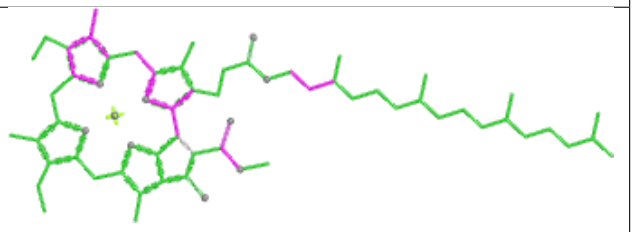


Rings

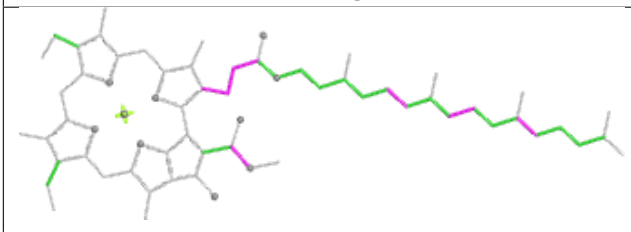
Ligand CLA A 1127



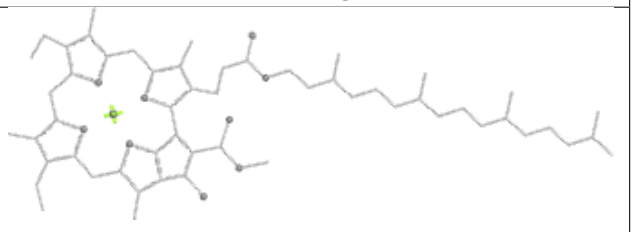
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Bond angles

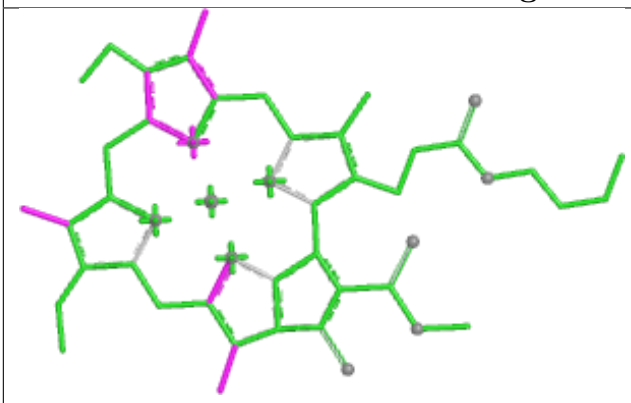


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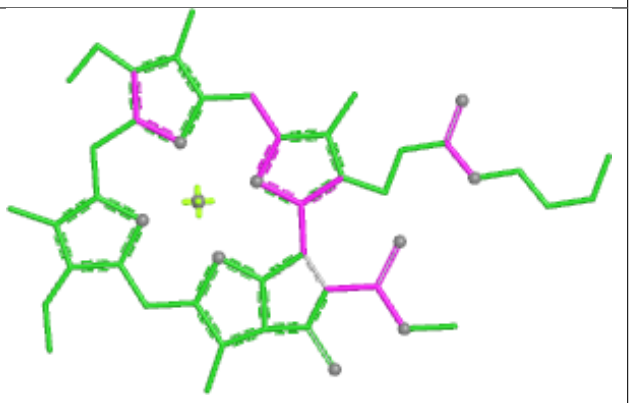


Rings

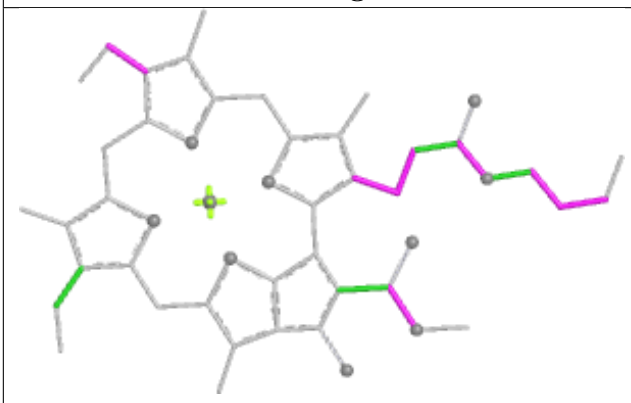
Ligand CLA a 1120



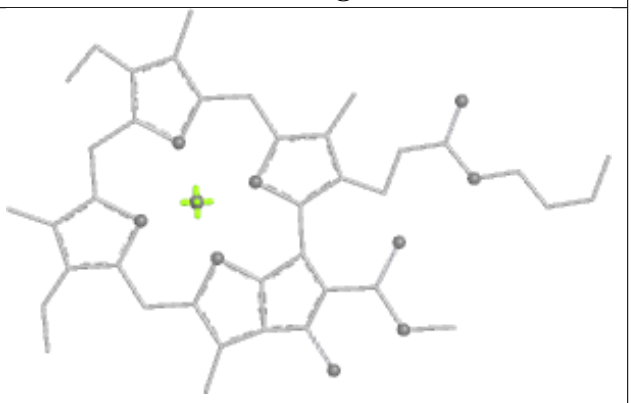
Bond lengths



Bond angles

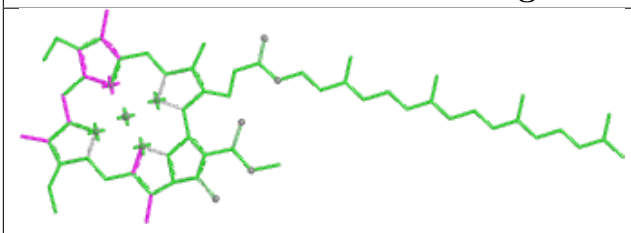


Torsions

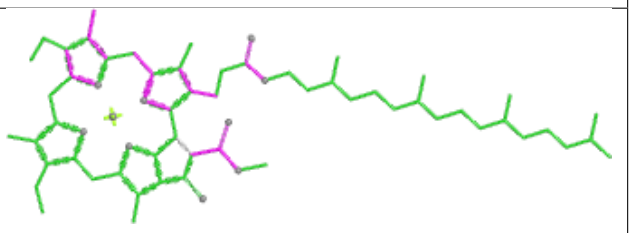


Rings

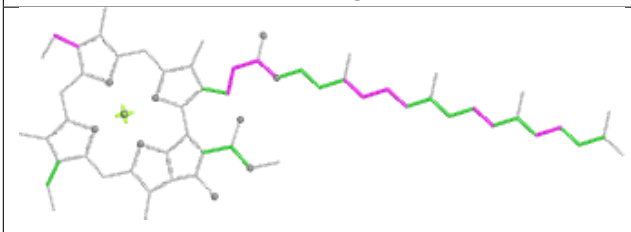
Ligand CLA b 1236



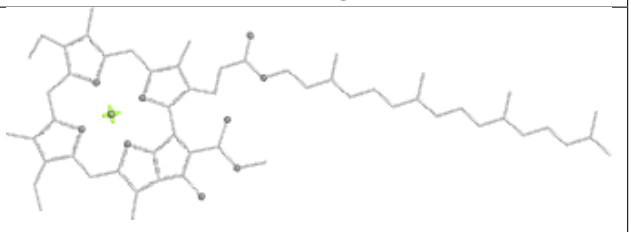
Bond lengths



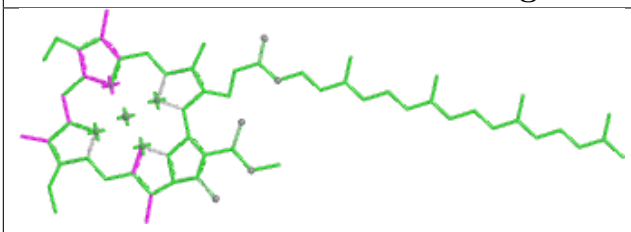
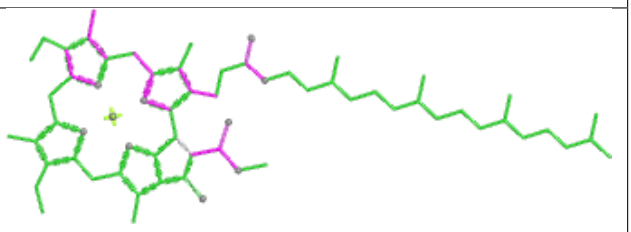
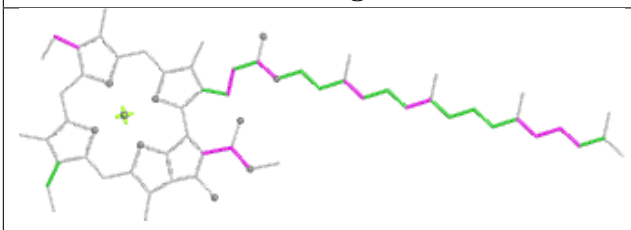
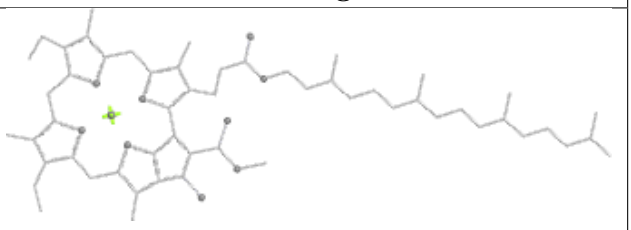
Bond angles

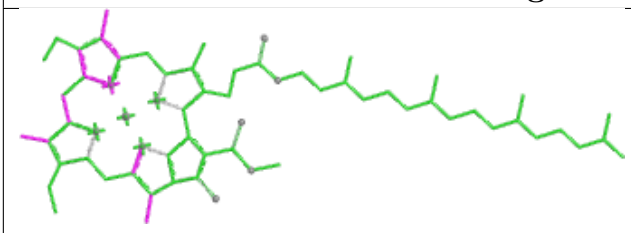
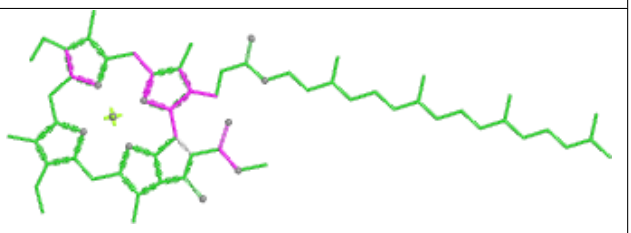
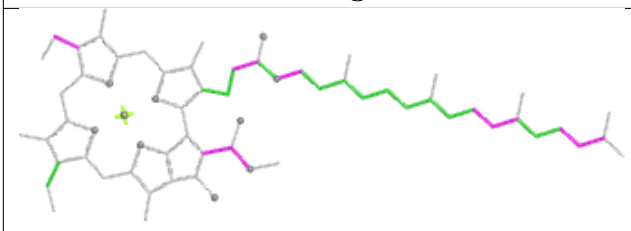
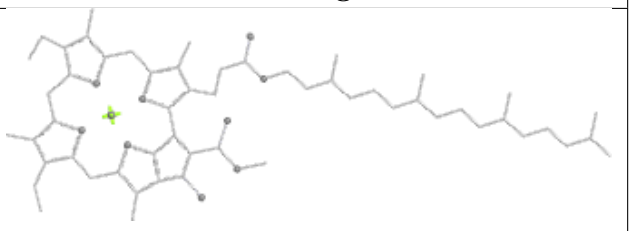


Torsions

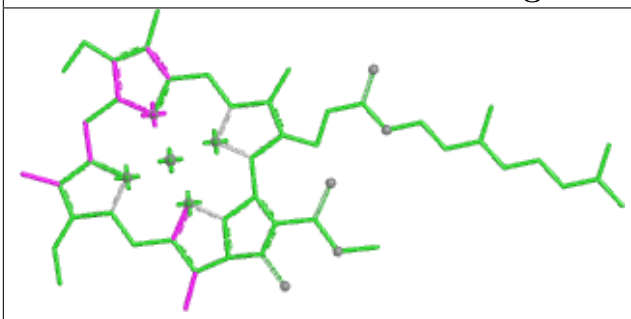


Rings

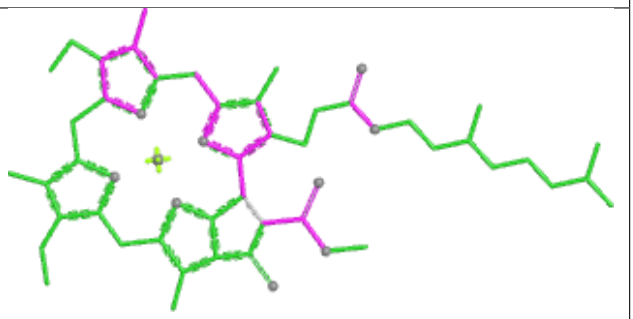
Ligand CLA a 1119	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA u 510	
	
Bond lengths	Bond angles
	
Torsions	Rings

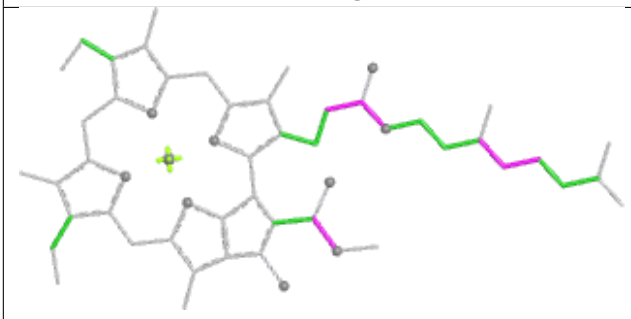
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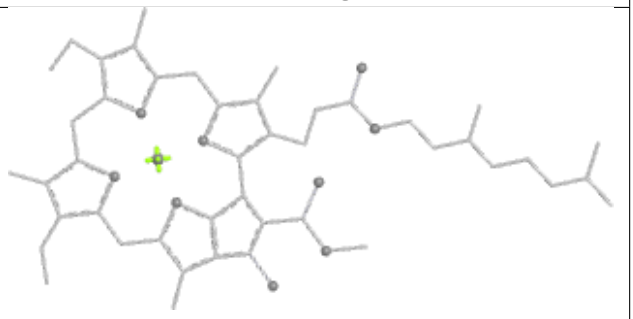
Bond lengths



Bond angles

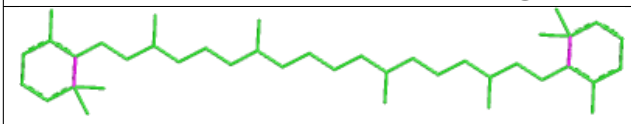


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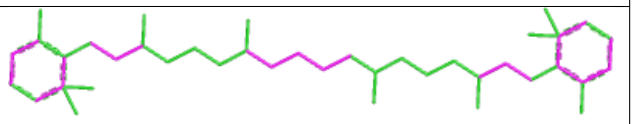


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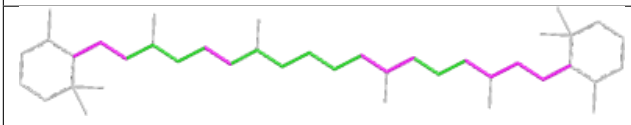
Ligand BCR S 4012



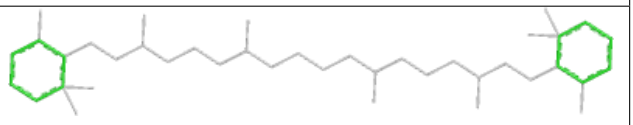
Bond lengths



Bond angles

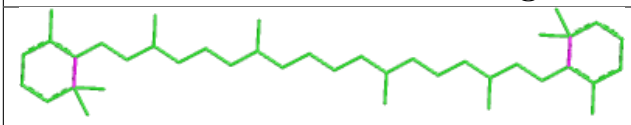


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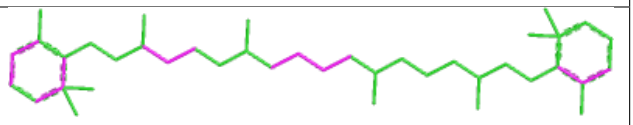


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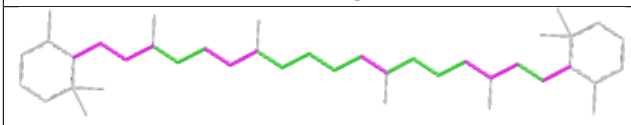
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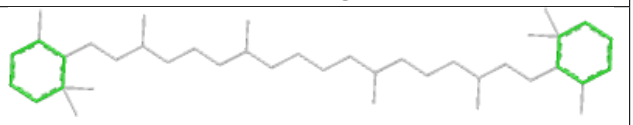
Bond lengths



Bond angles

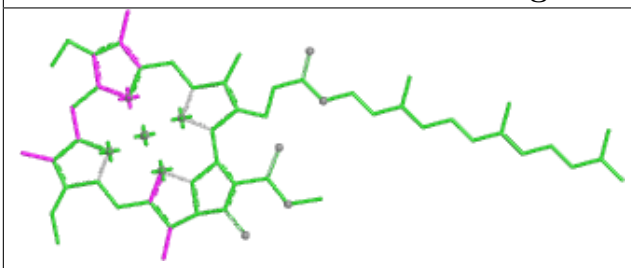


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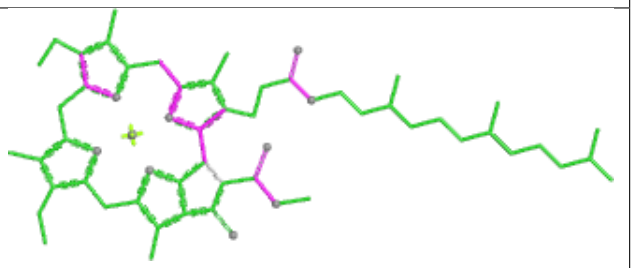


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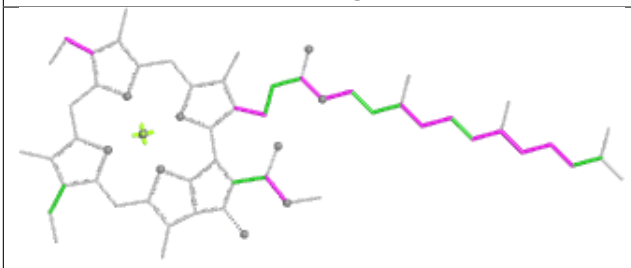
Ligand CLA s 504



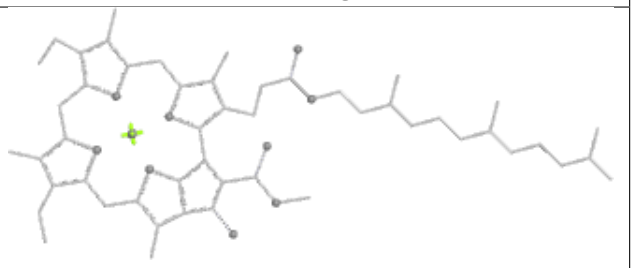
Bond lengths



Bond angles

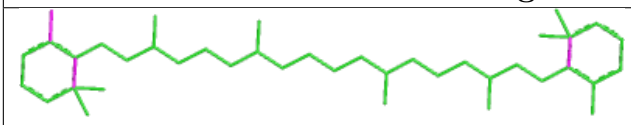


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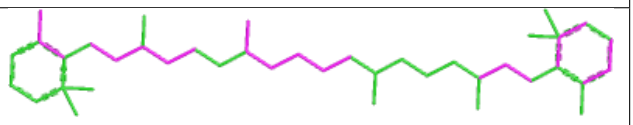


Rings

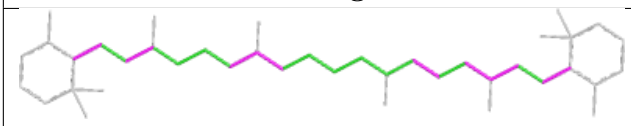
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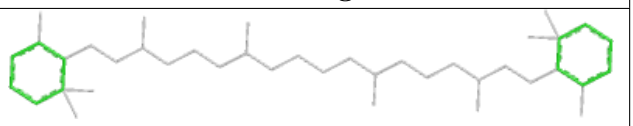
Bond lengths



Bond angles

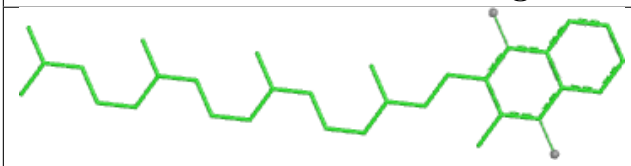


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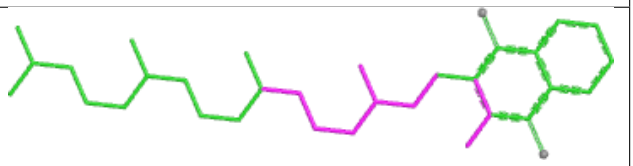


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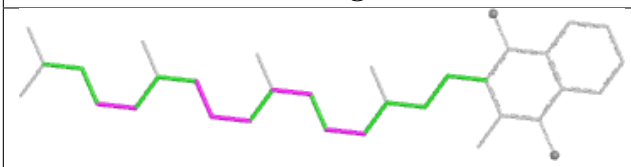
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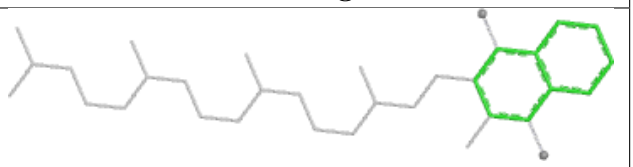
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Bond angles

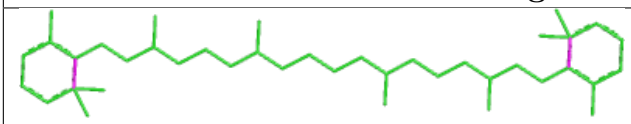


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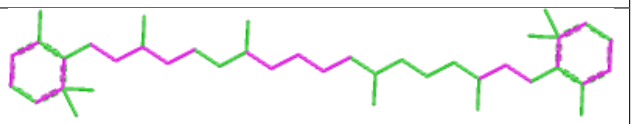


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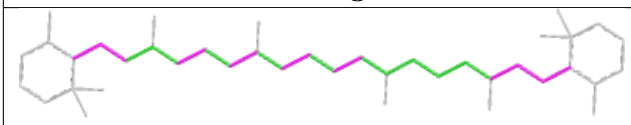
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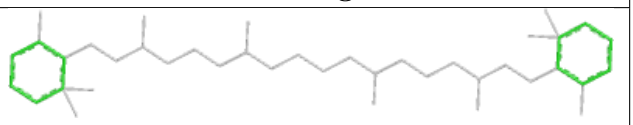
Bond lengths



Bond angles

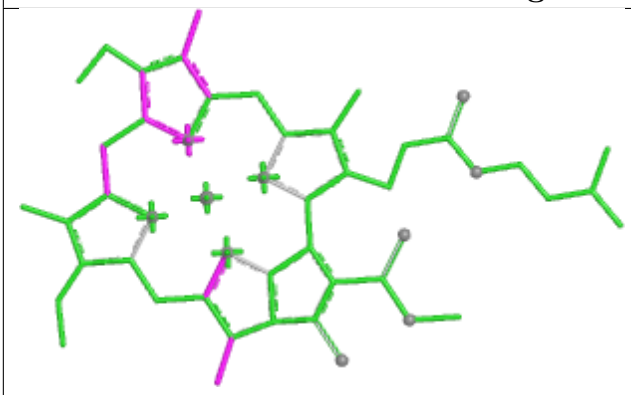


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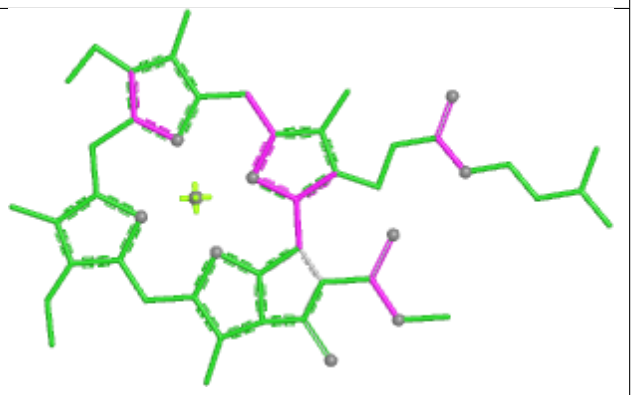


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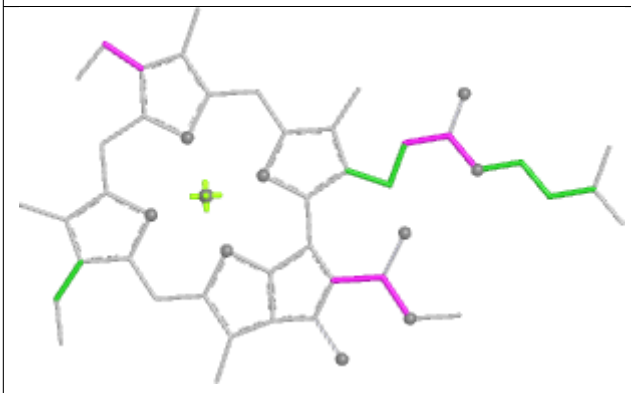
Ligand CLA n 502



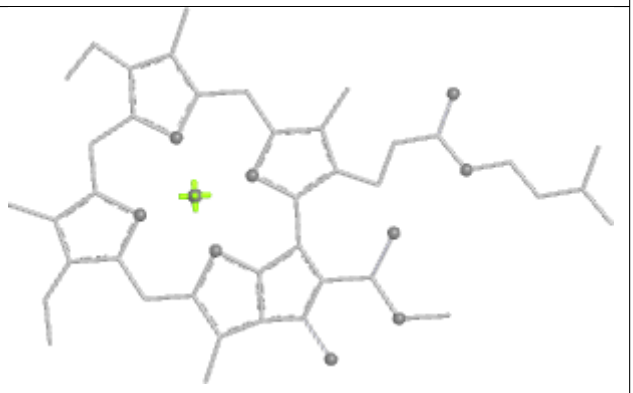
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Bond angles

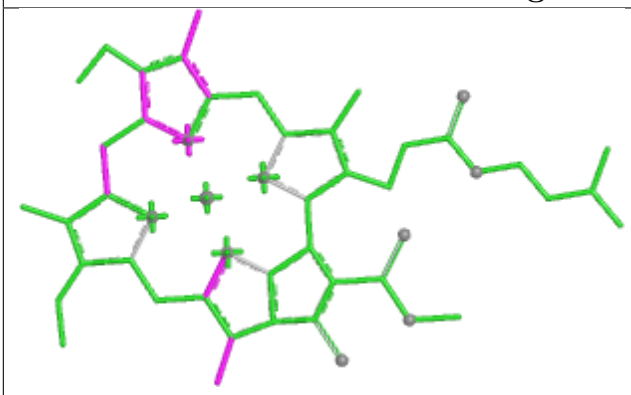


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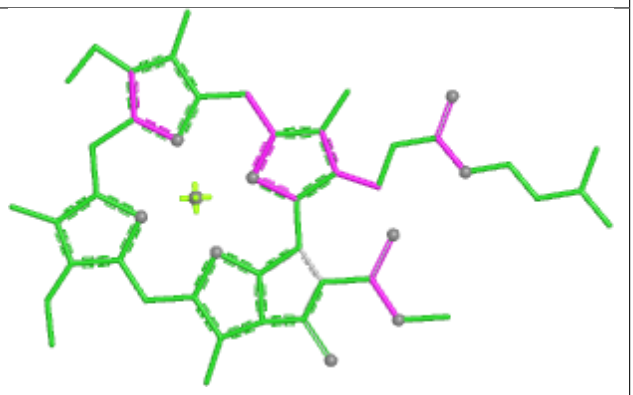


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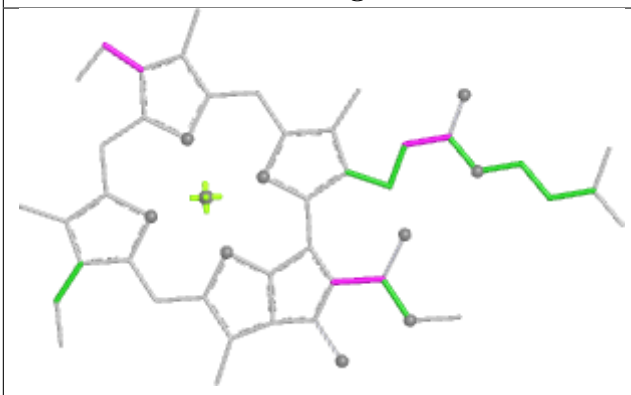
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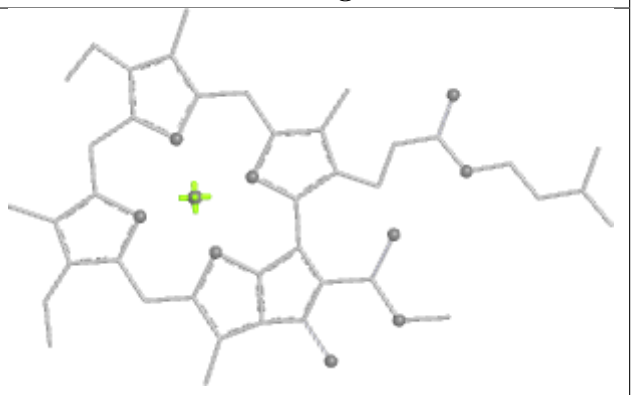
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Bond angles

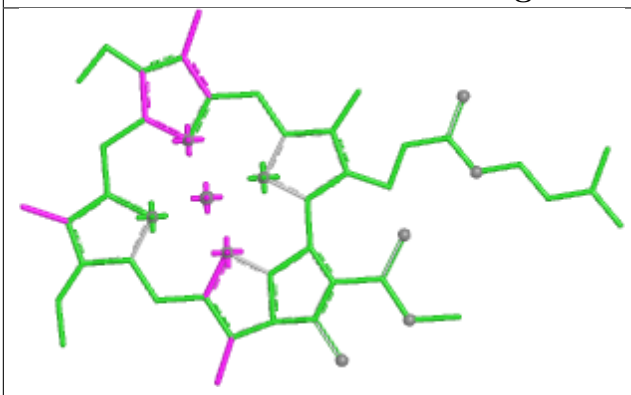


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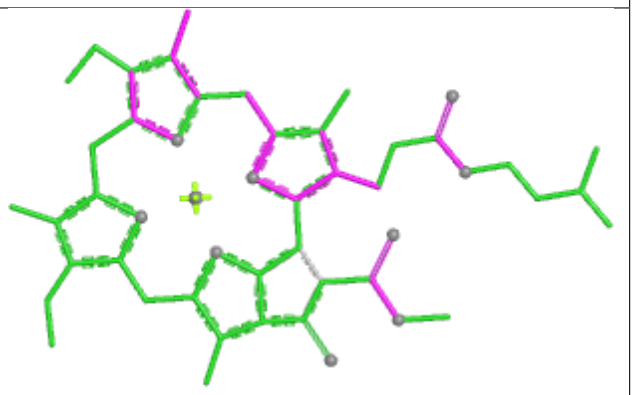


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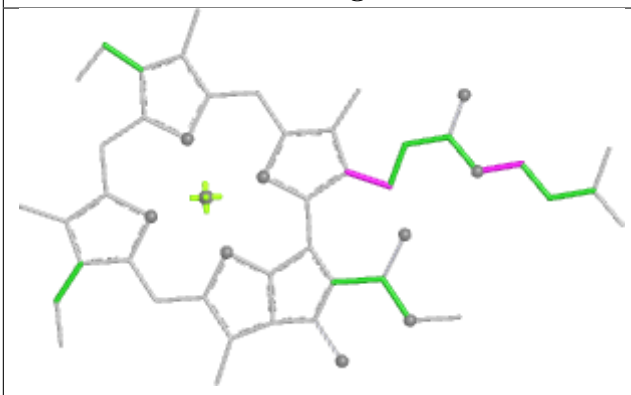
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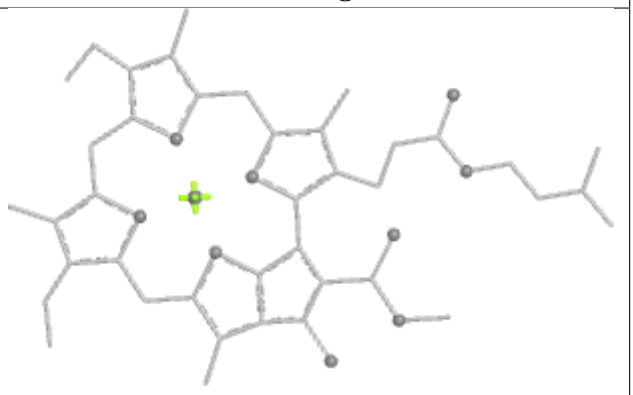
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Bond angles

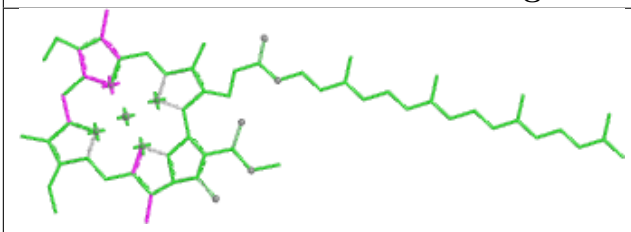


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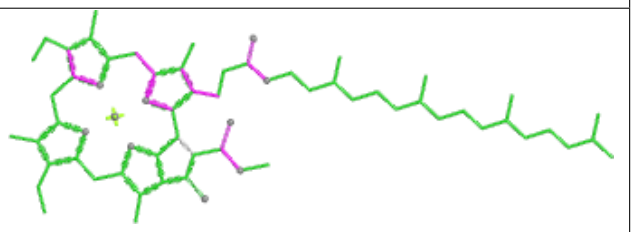


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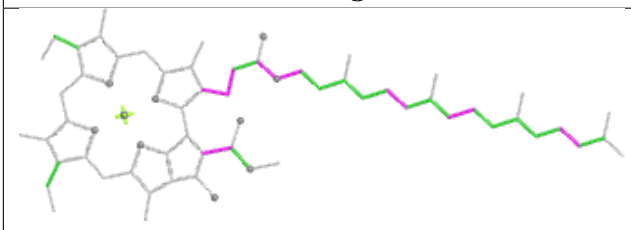
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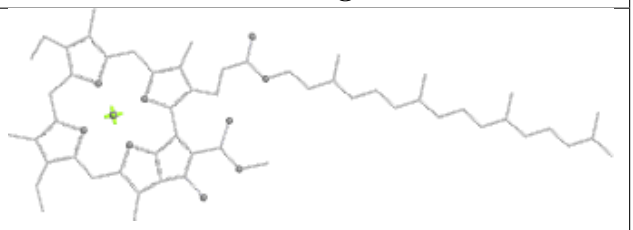
Bond lengths



Bond angles

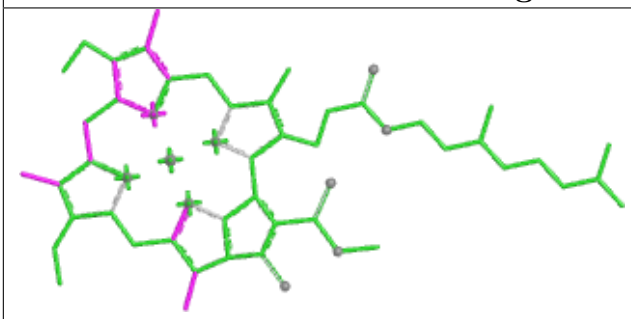


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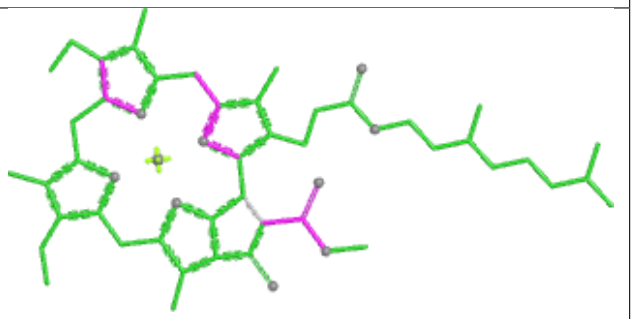


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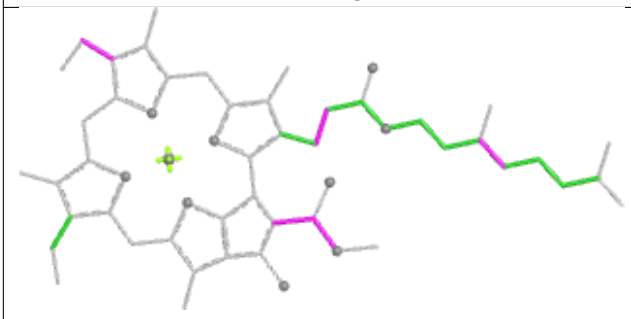
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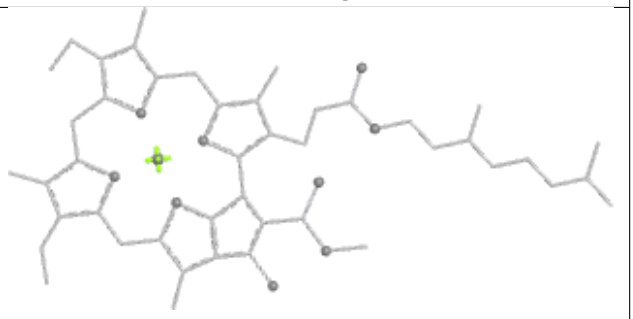
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Bond angles

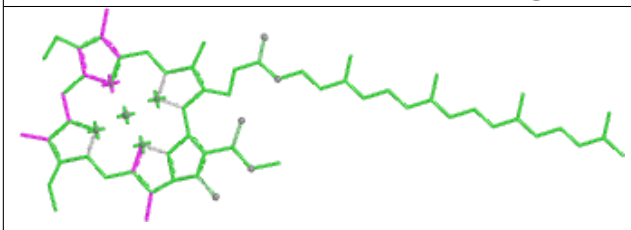


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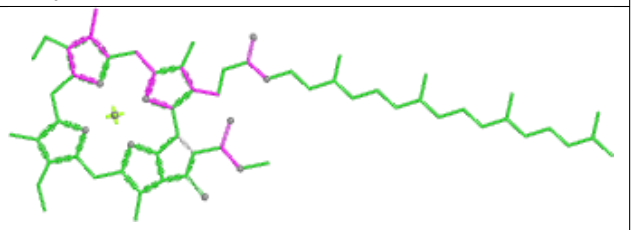


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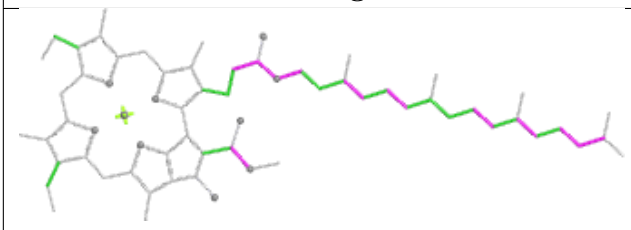
Ligand CLA y 511



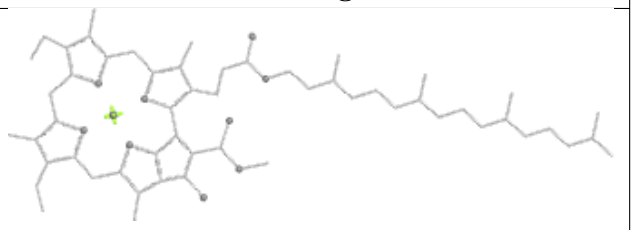
Bond lengths



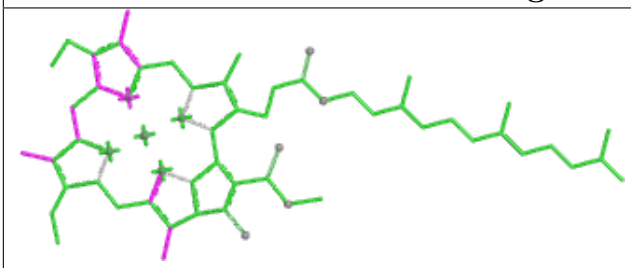
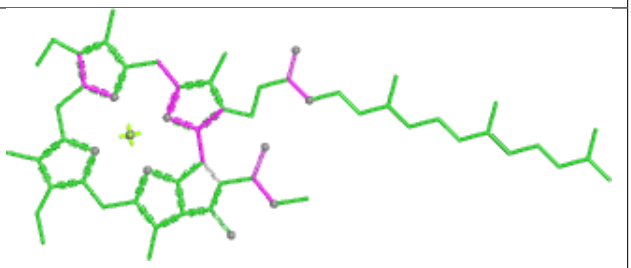
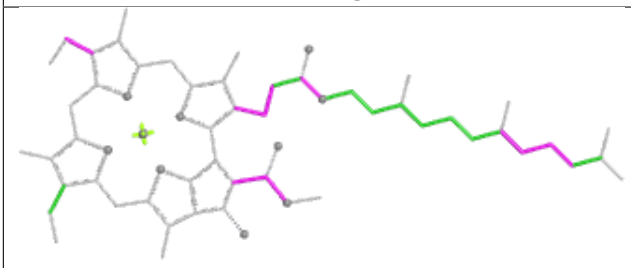
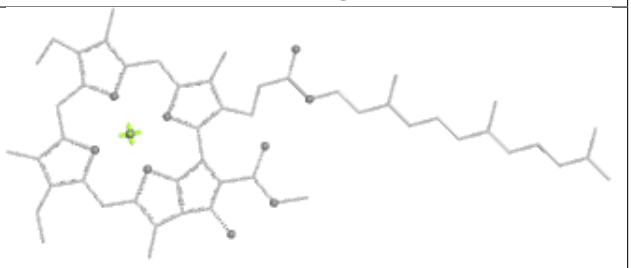
Bond angles

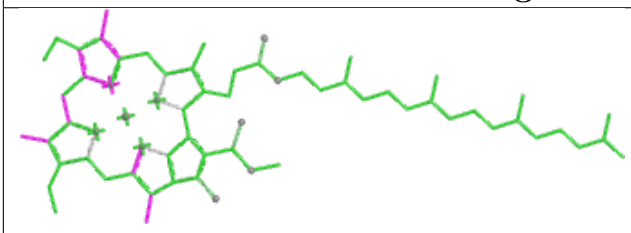
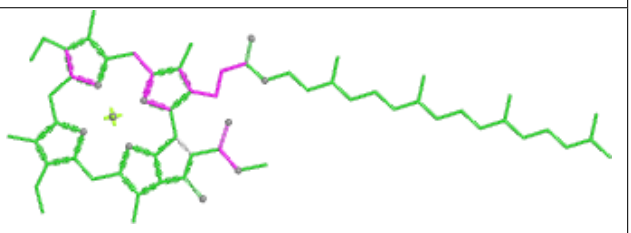
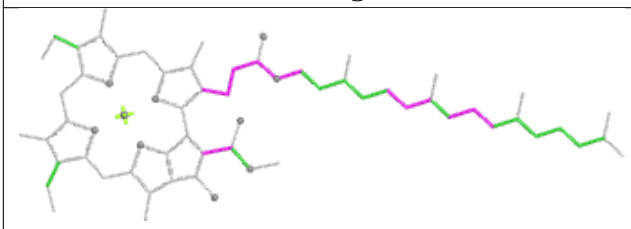
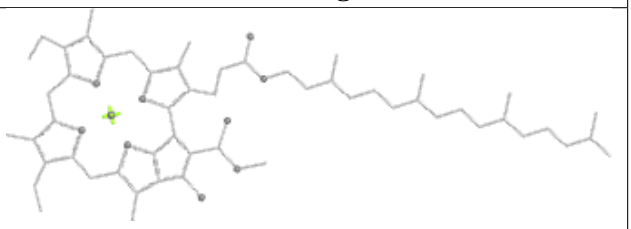


Torsions

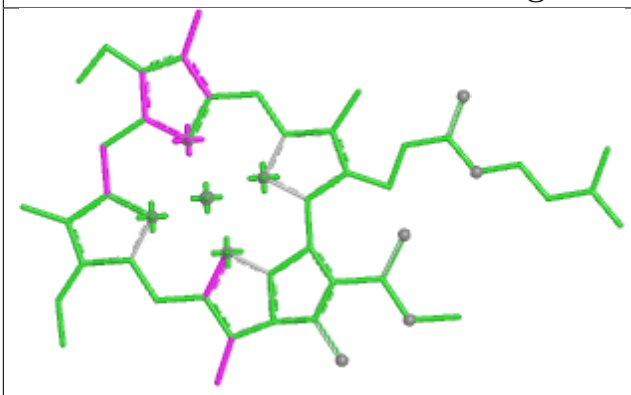


Rings

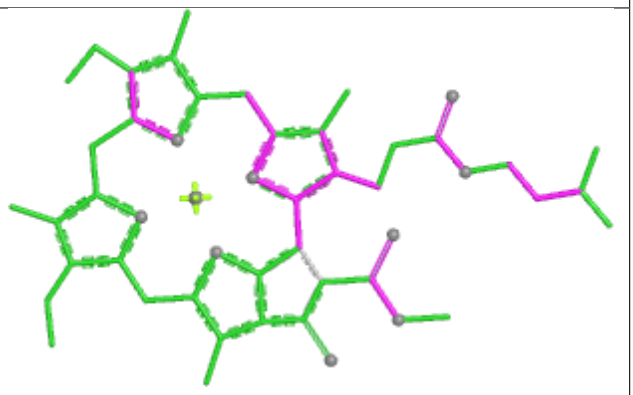
Ligand CLA h 504	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA A 1103	
	
Bond lengths	Bond angles
	
Torsions	Rings

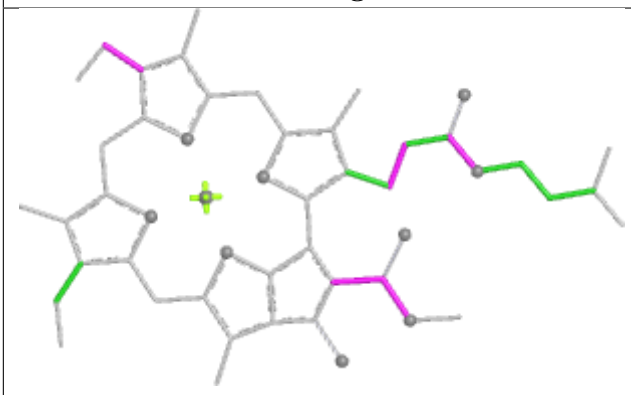
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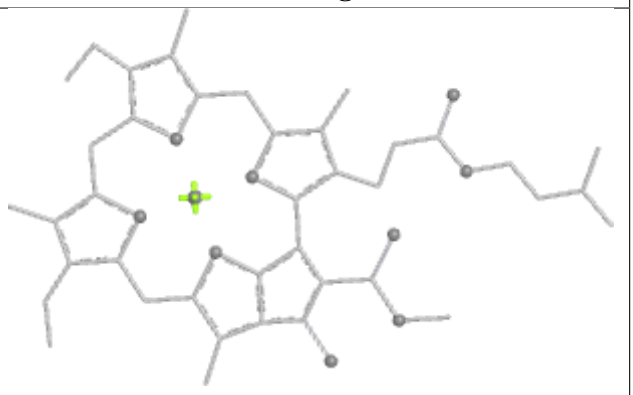
Bond lengths



Bond angles

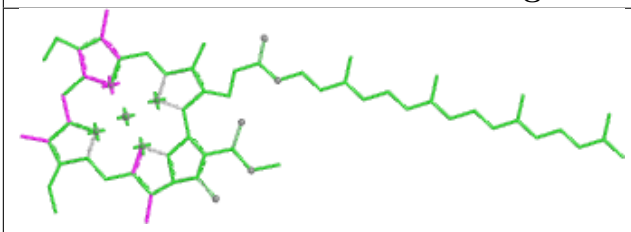


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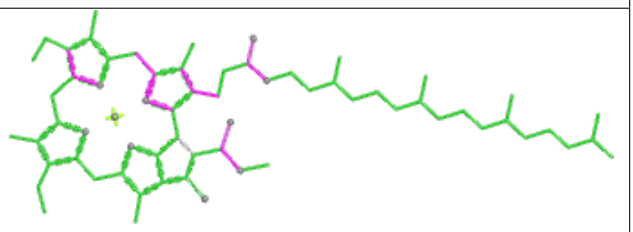


Rings

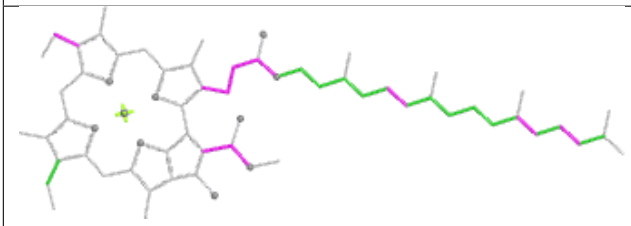
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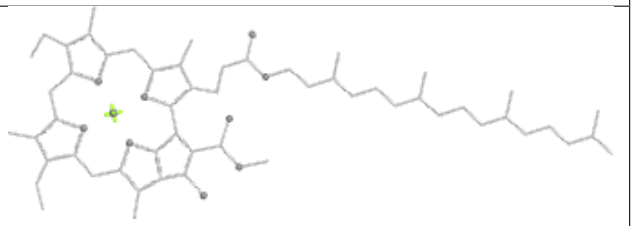
Bond lengths



Bond angles

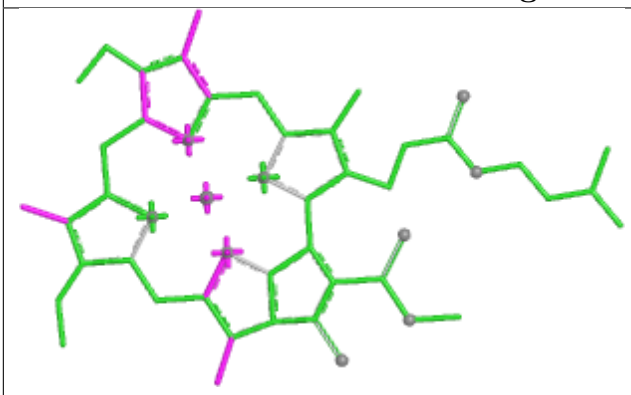


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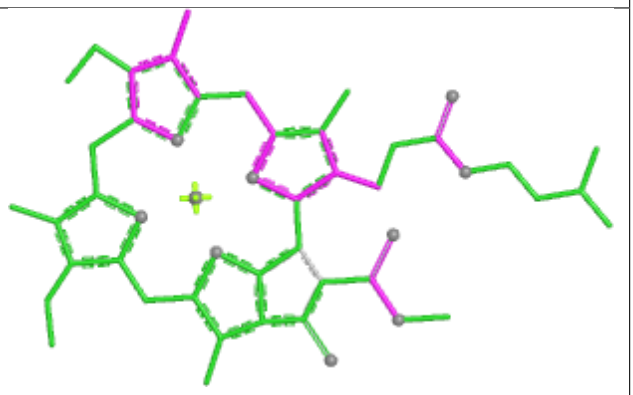


Rings

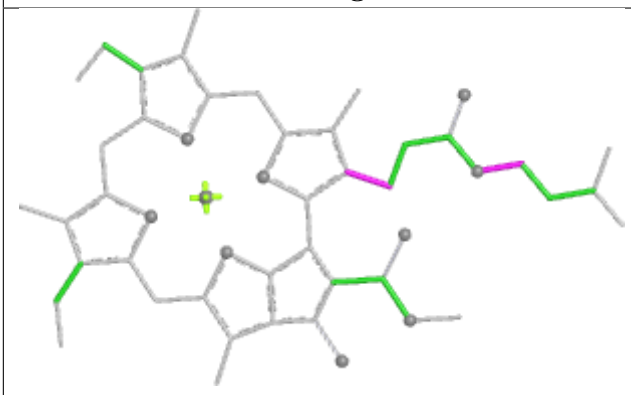
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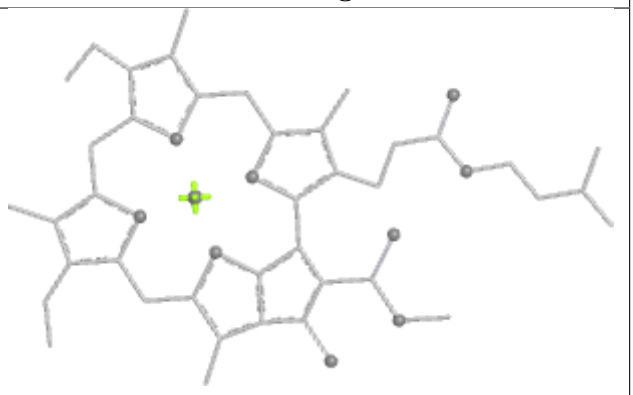
Bond lengths



Bond angles

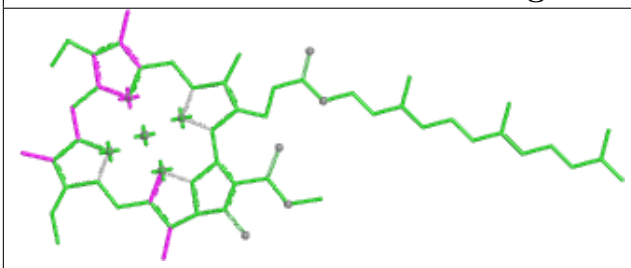


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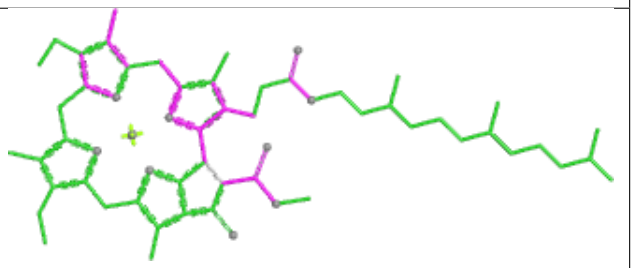


Rings

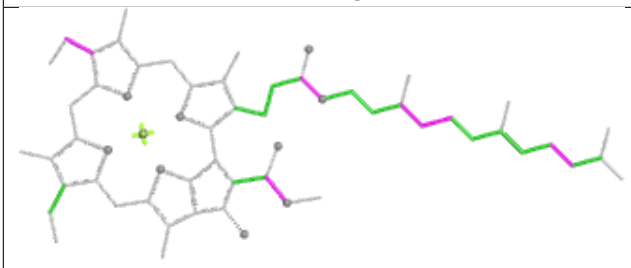
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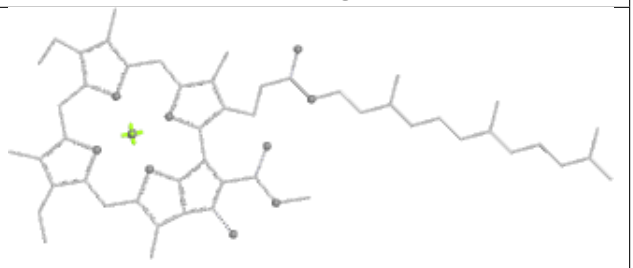
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Bond angles

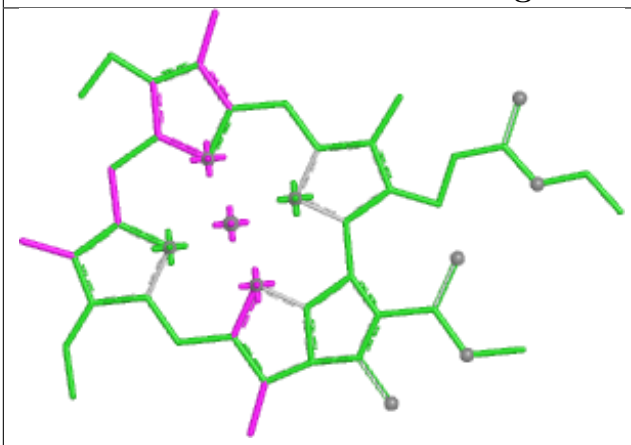


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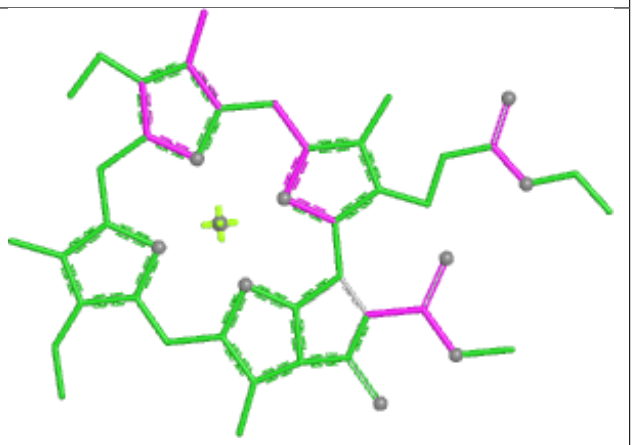


Rings

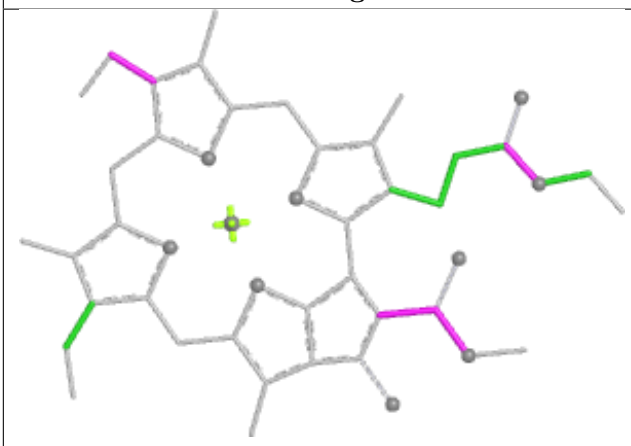
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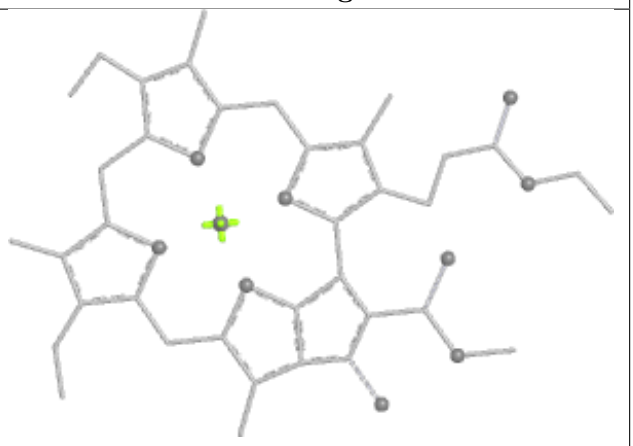
Bond lengths



Bond angles

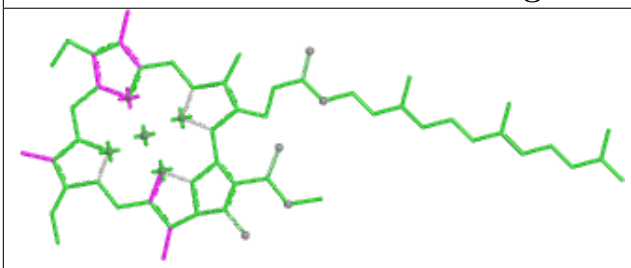


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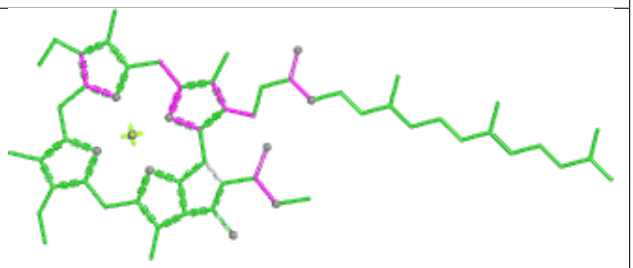


Rings

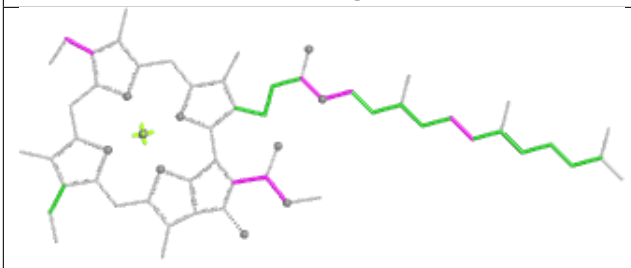
Ligand CLA X 506



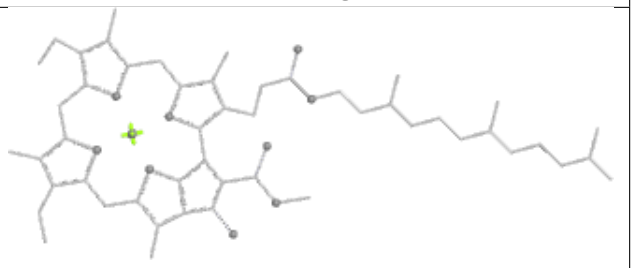
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Bond angles

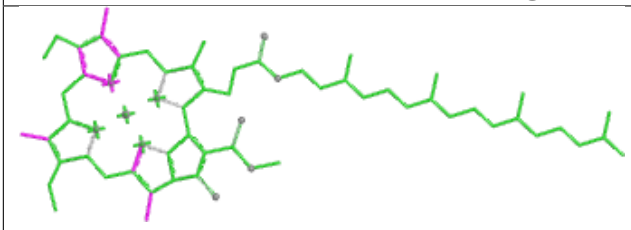


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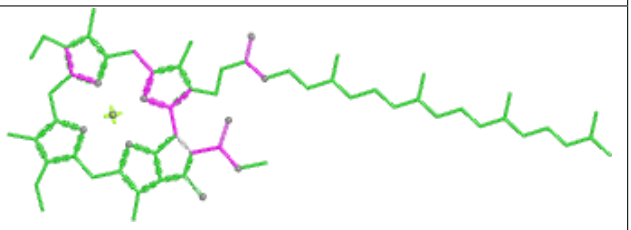


Rings

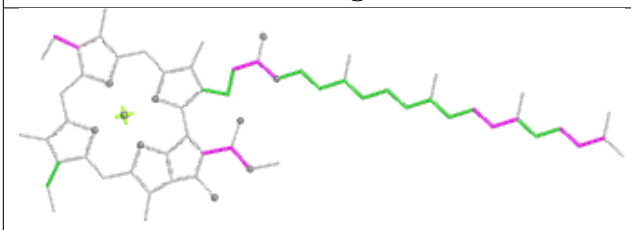
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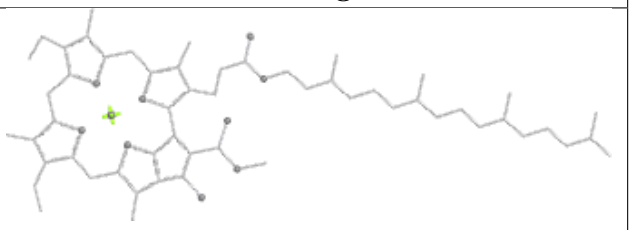
Bond lengths



Bond angles

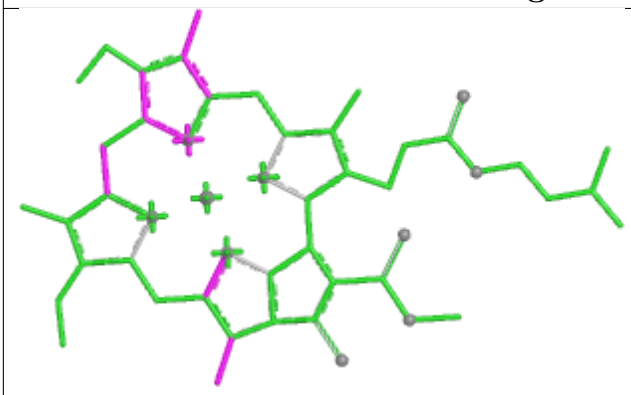


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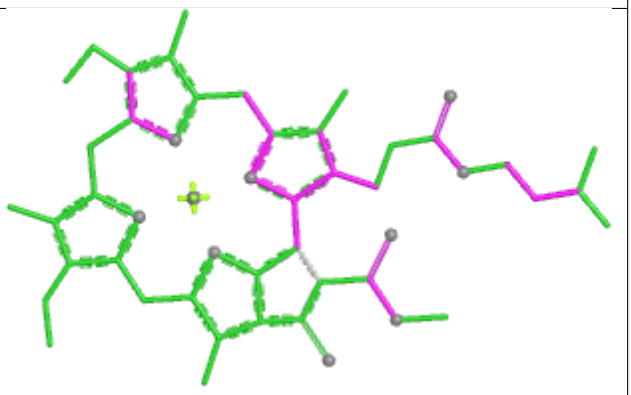


Rings

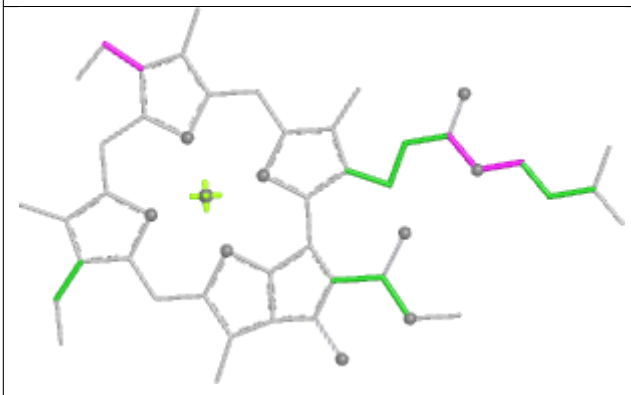
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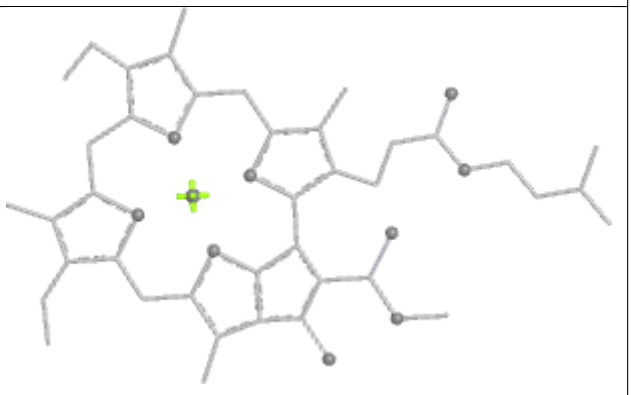
Bond lengths



Bond angles

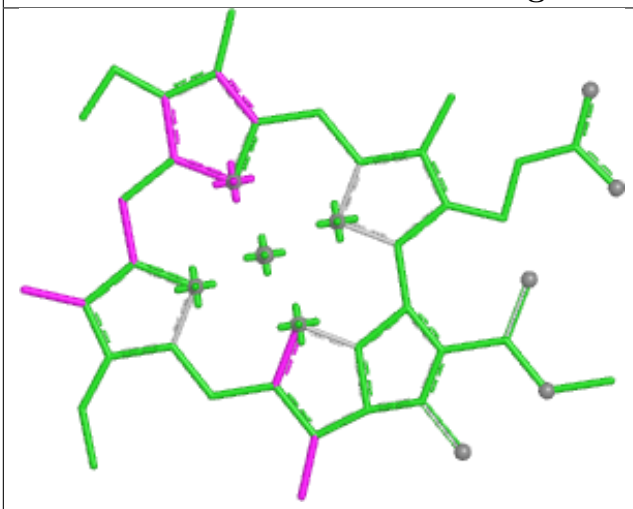


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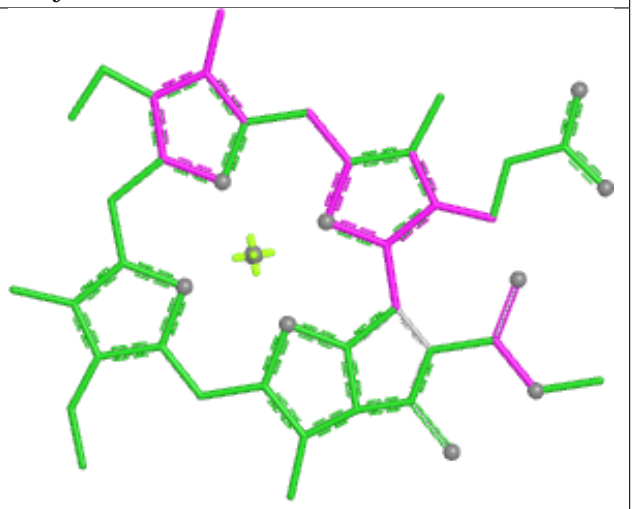


Rings

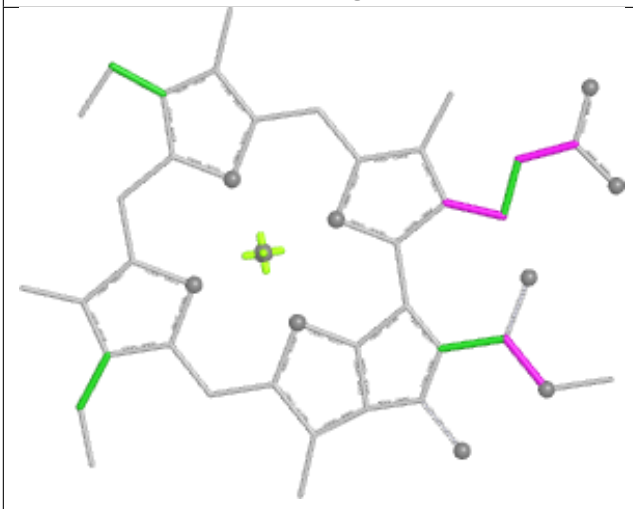
Ligand CLA y 512



Bond lengths



Bond angles

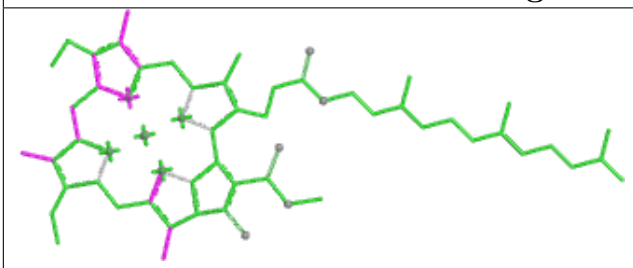


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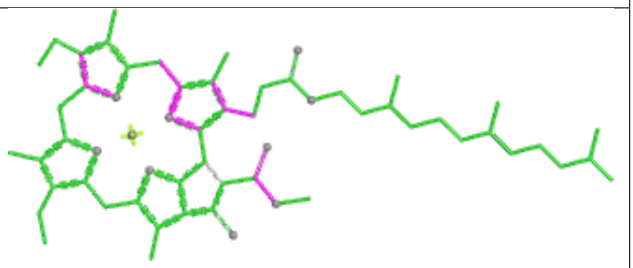


Rings

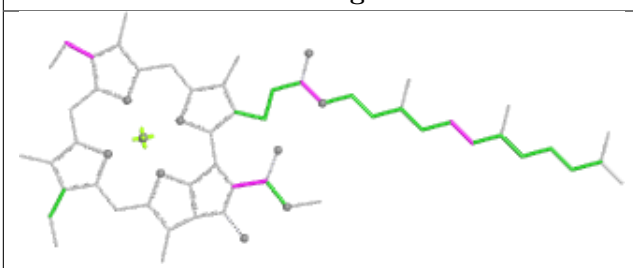
Ligand CLA Z 506



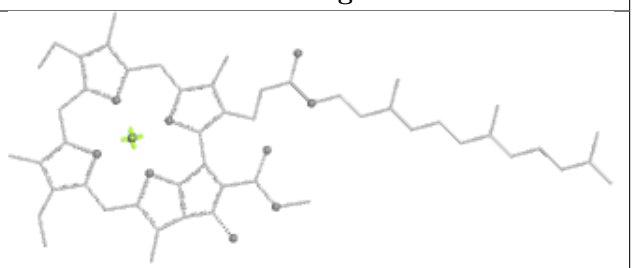
Bond lengths



Bond angles

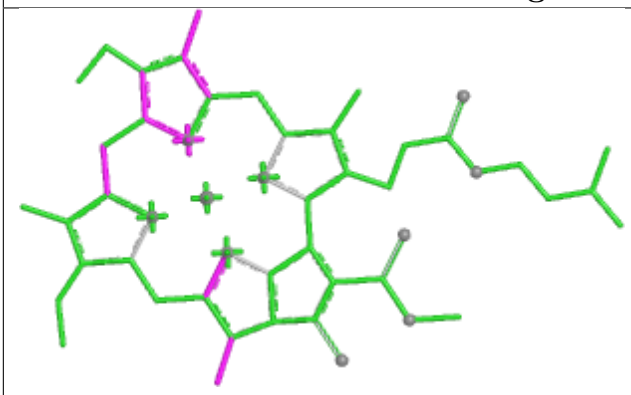


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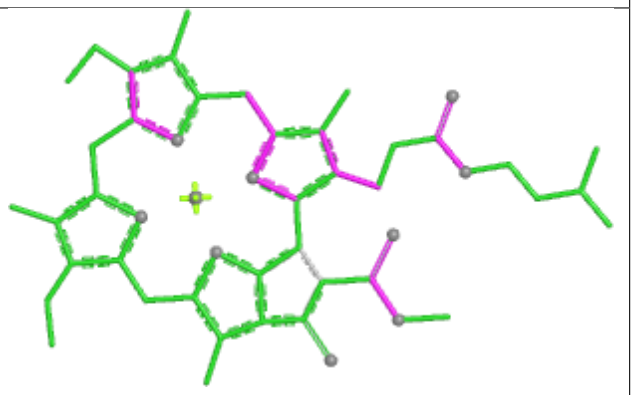


Rings

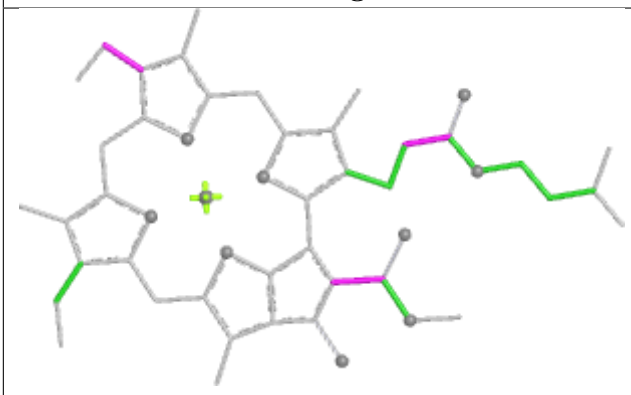
Ligand CLA v 502



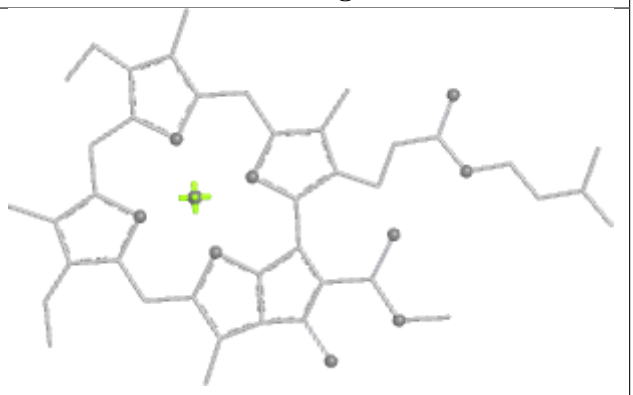
Bond lengths



Bond angles

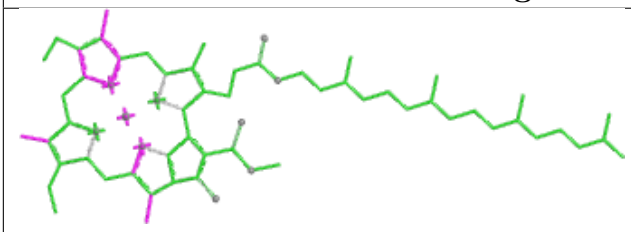


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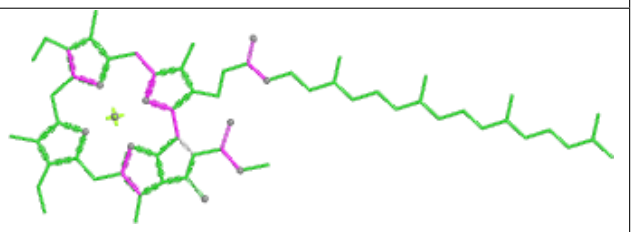


Rings

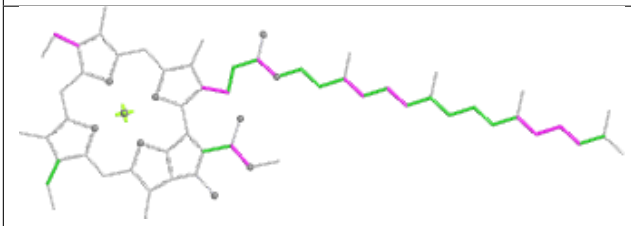
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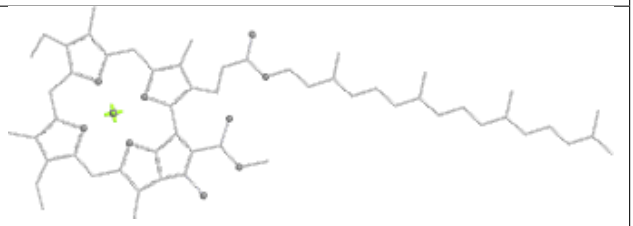
Bond lengths



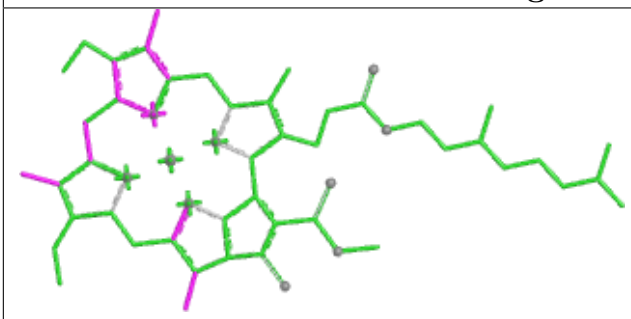
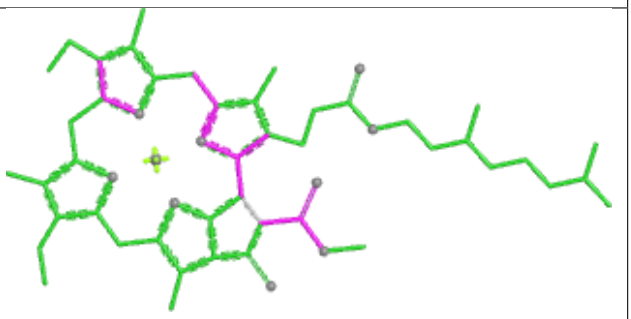
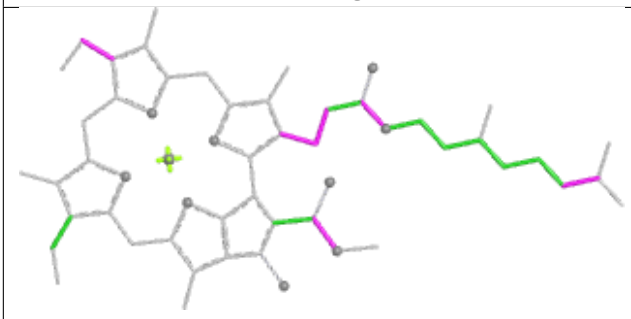
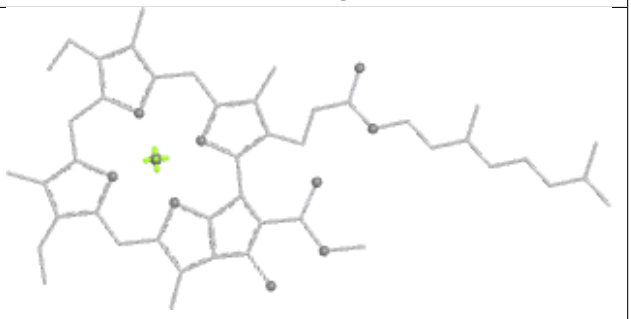
Bond angles

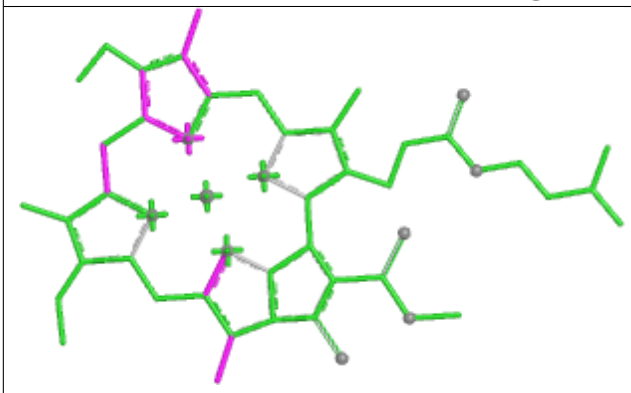
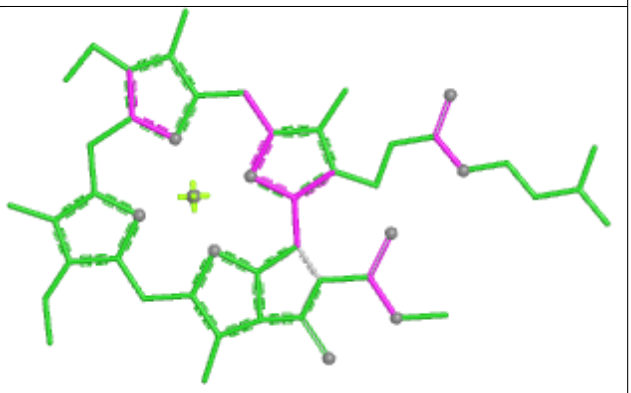
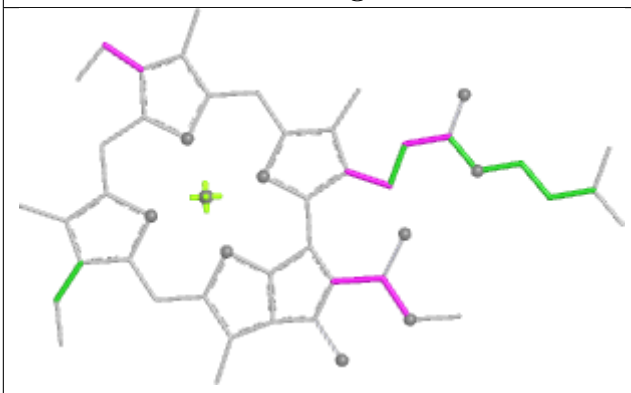
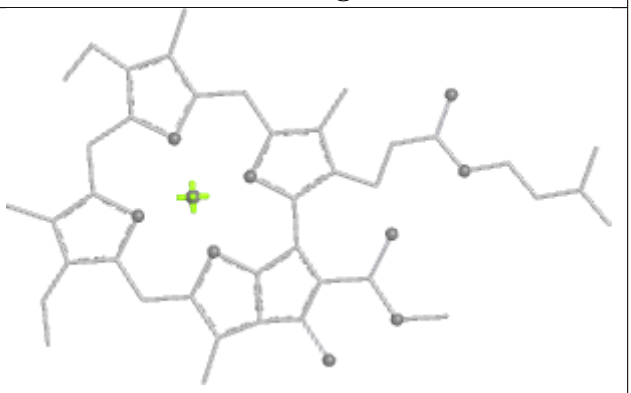


Torsions

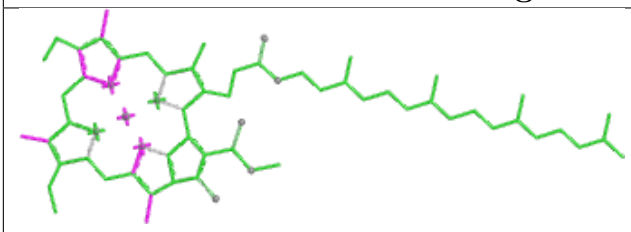


Rings

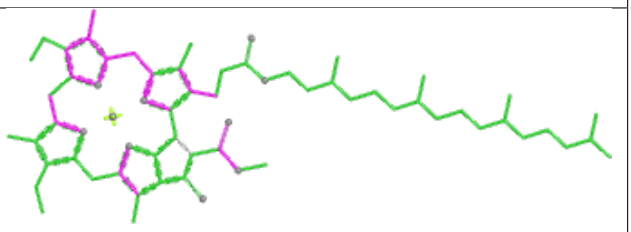
Ligand CLA u 508	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA u 514	
	
Bond lengths	Bond angles
	
Torsions	Rings

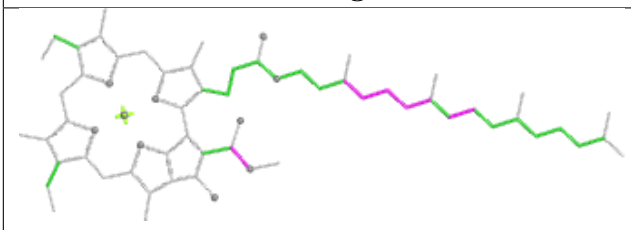
Ligand CLA B 1226



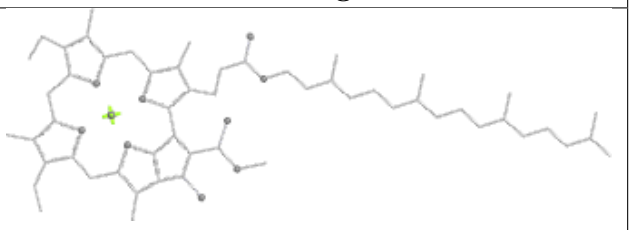
Bond lengths



Bond angles

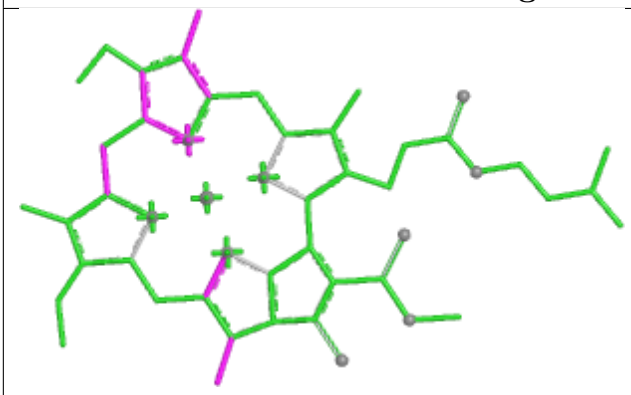


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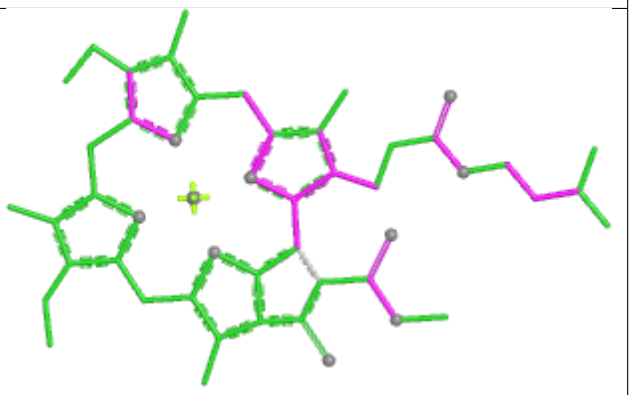


Rings

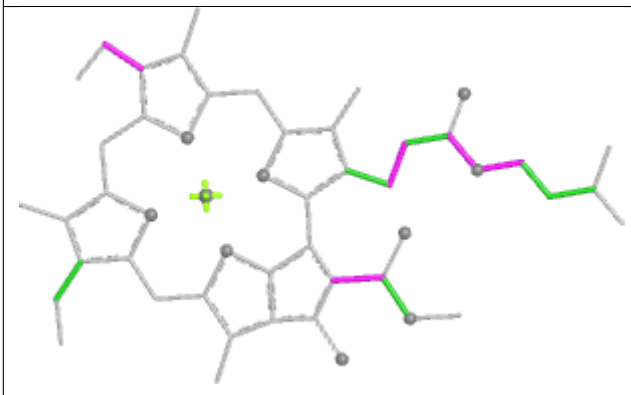
Ligand CLA W 501



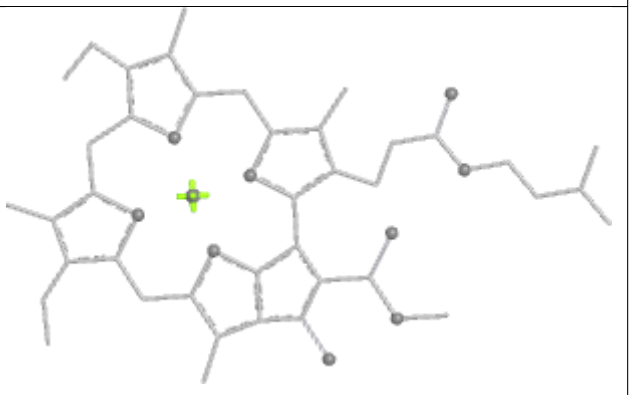
Bond lengths



Bond angles

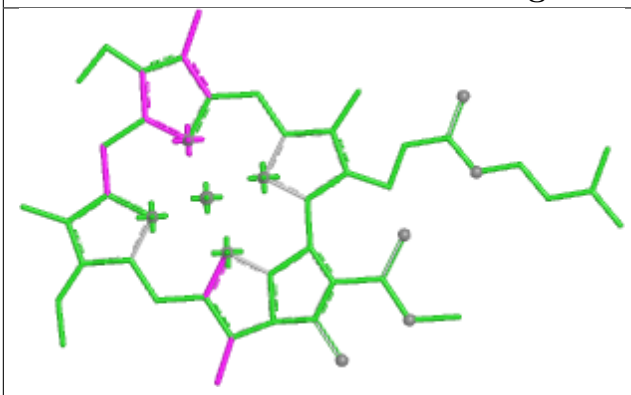


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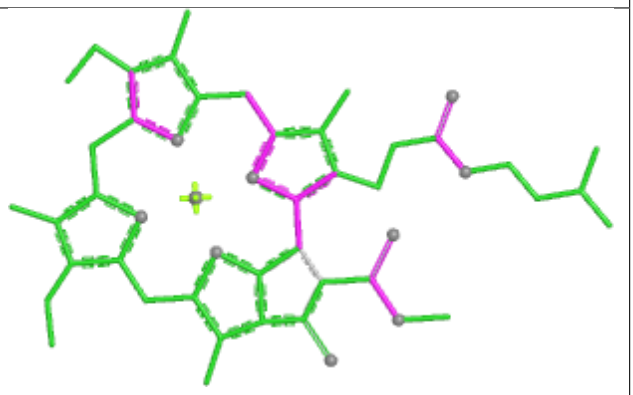


Rings

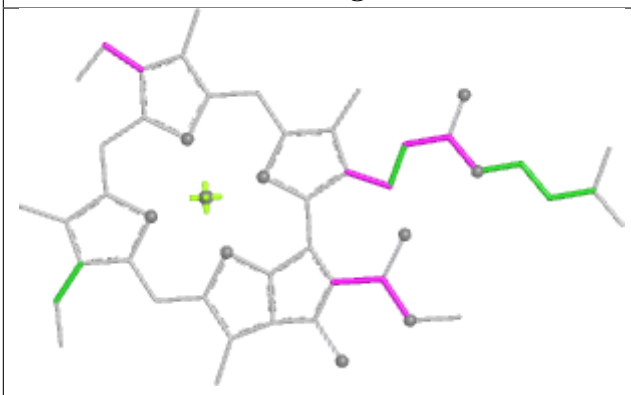
Ligand CLA o 514



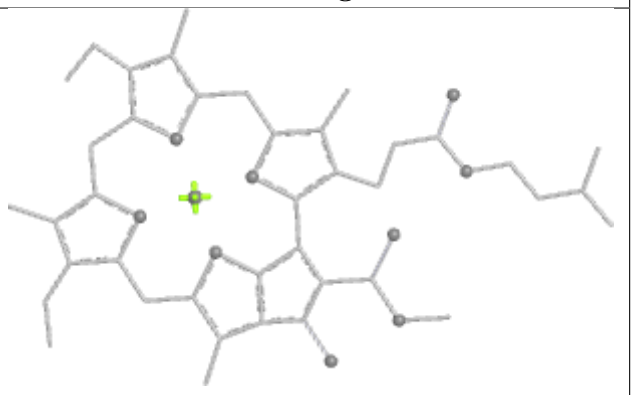
Bond lengths



Bond angles

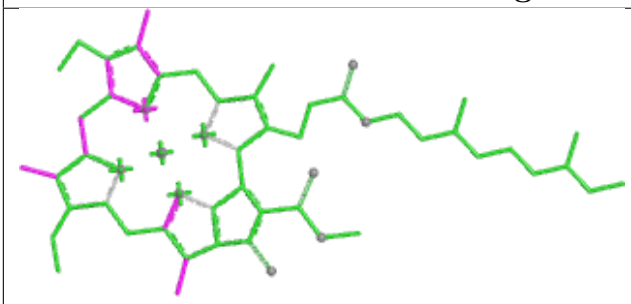


Torsions

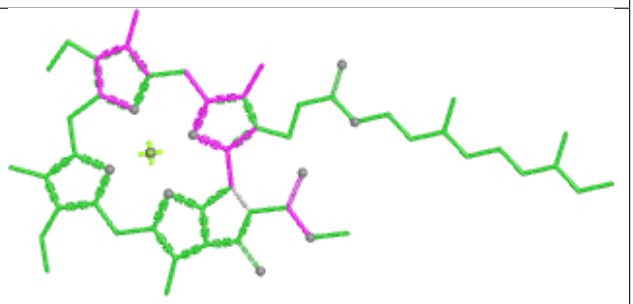


Rings

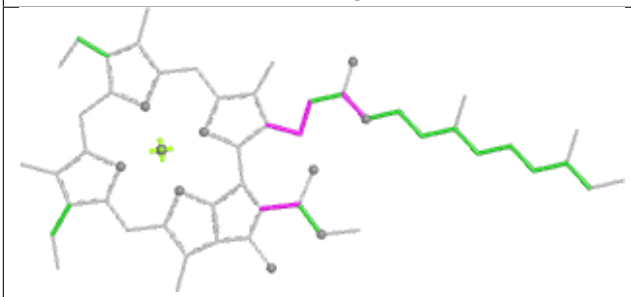
Ligand CLA H 1102



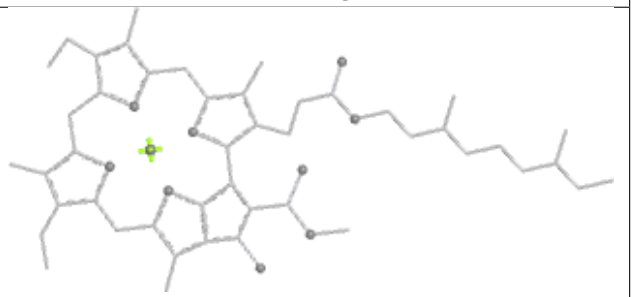
Bond lengths



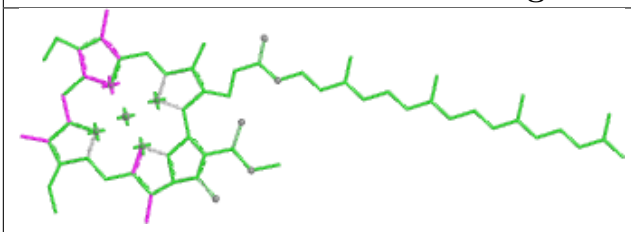
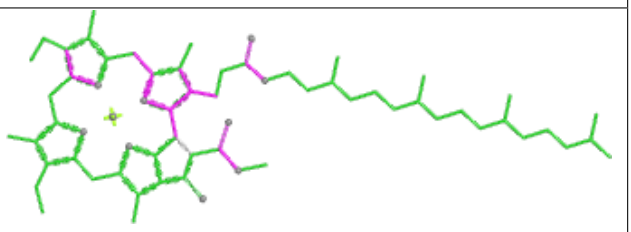
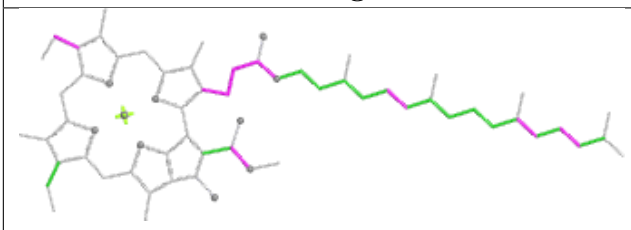
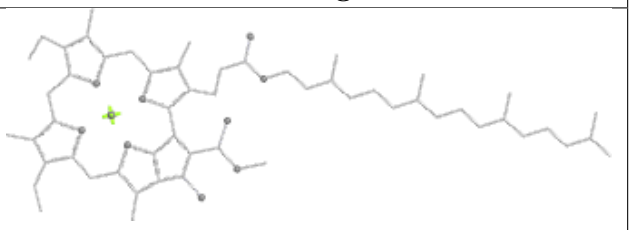
Bond angles

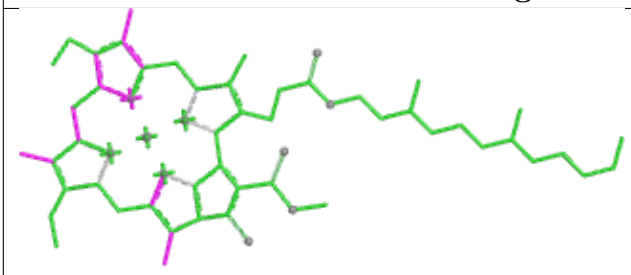
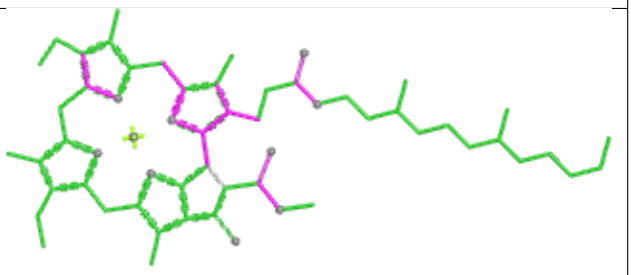
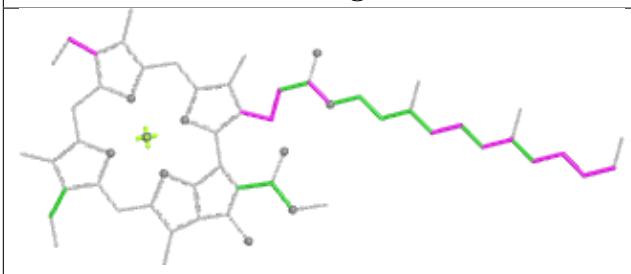
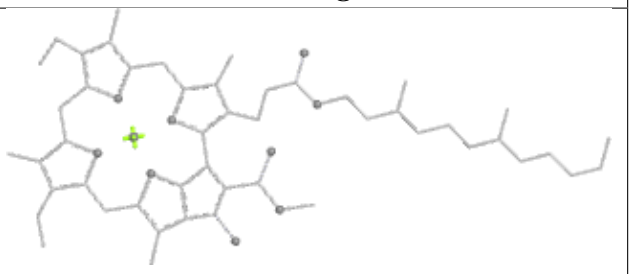


Torsions

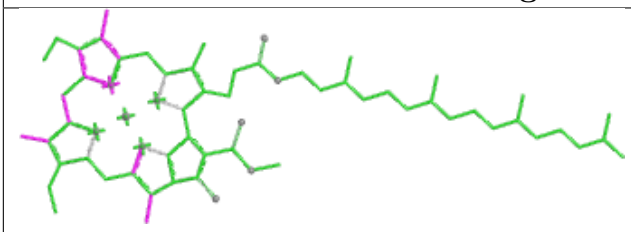


Rings

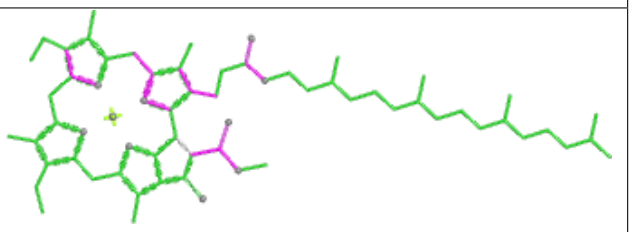
Ligand CLA u 505	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA H 1122	
	
Bond lengths	Bond angles
	
Torsions	Rings

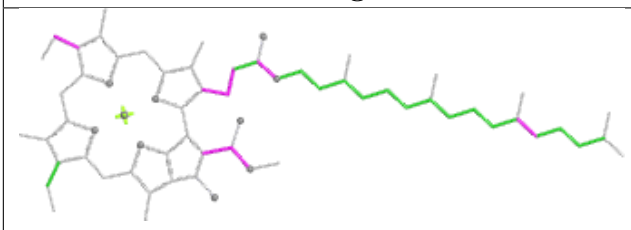
Ligand CLA a 1132



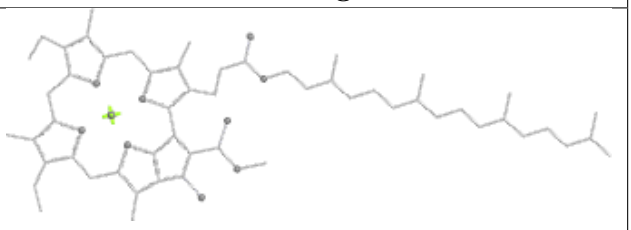
Bond lengths



Bond angles

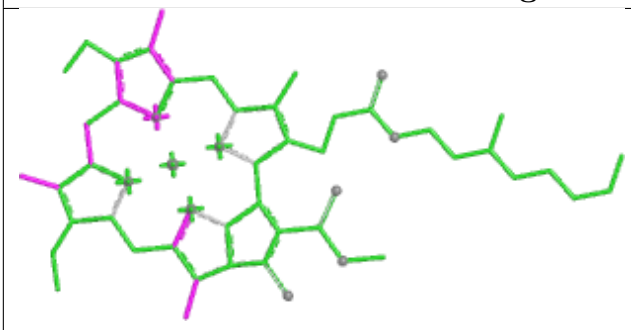


Torsions

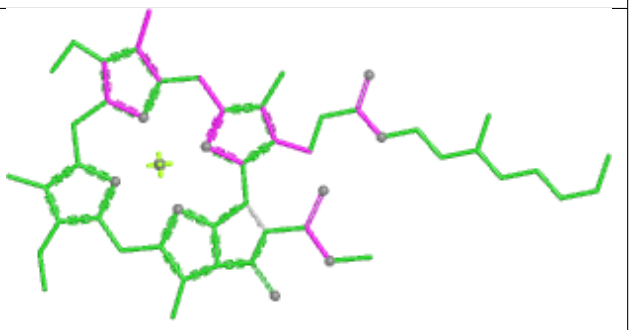


Rings

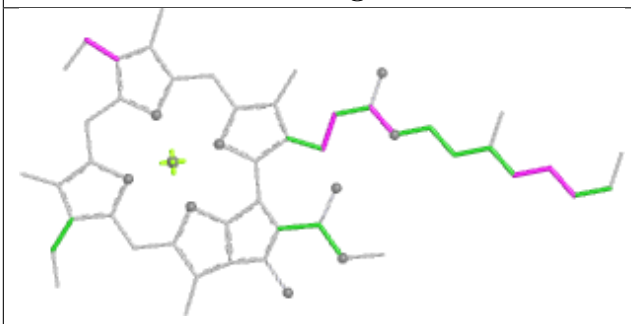
Ligand CLA a 1115



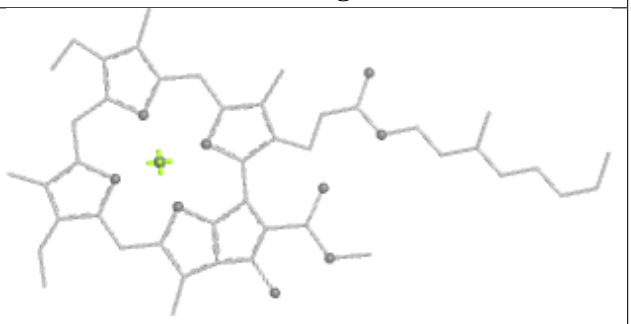
Bond lengths



Bond angles

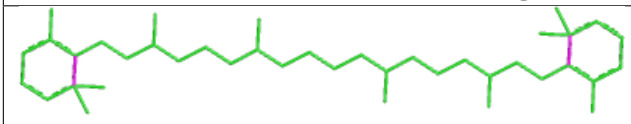


Torsions

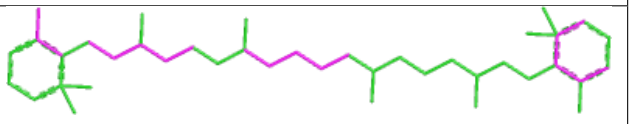


Rings

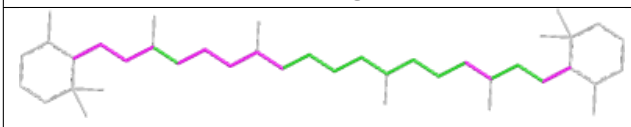
Ligand BCR F 4016



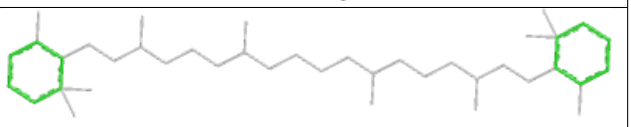
Bond lengths



Bond angles

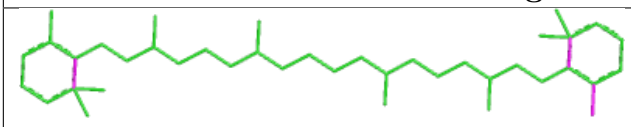


Torsions

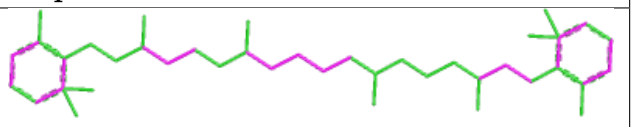


Rings

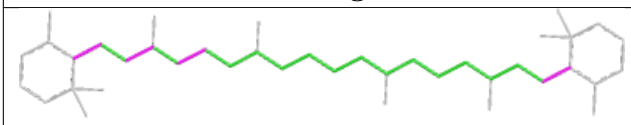
Ligand BCR p 603



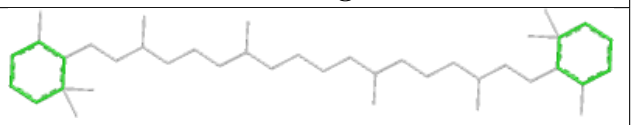
Bond lengths



Bond angles

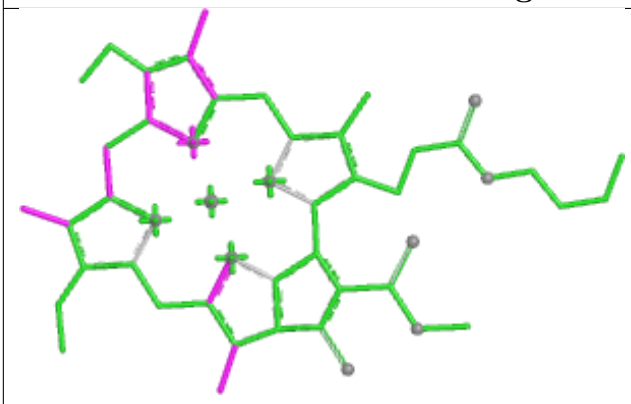


Torsions

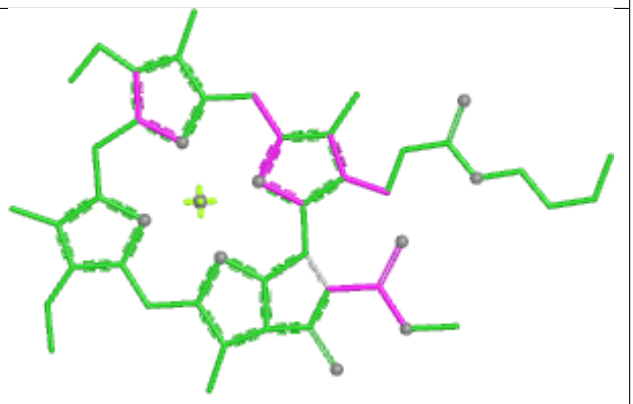


Rings

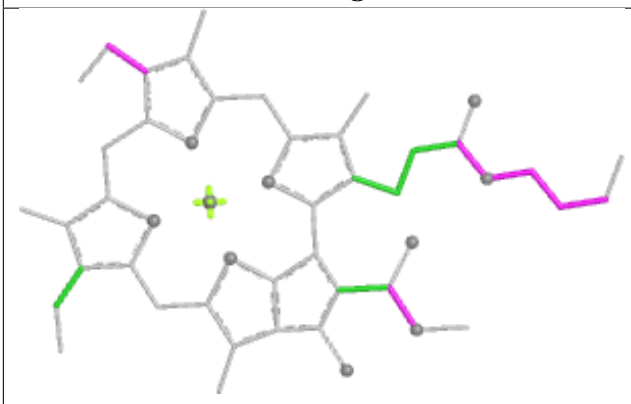
Ligand CLA B 1227



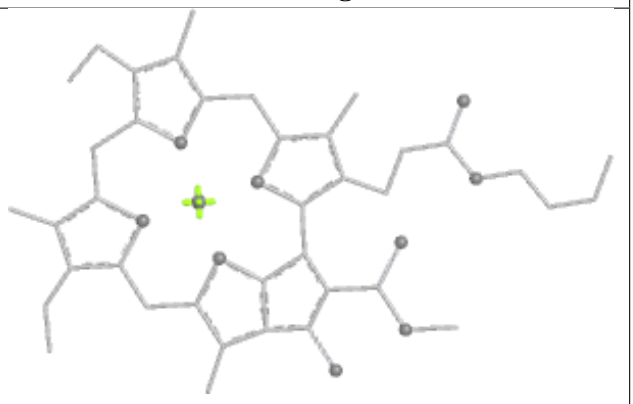
Bond lengths



Bond angles

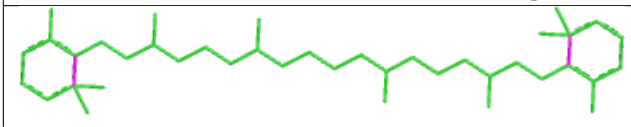


Torsions

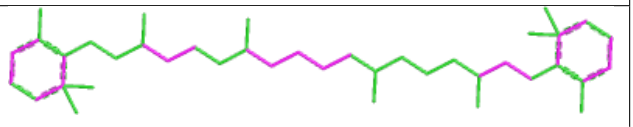


Rings

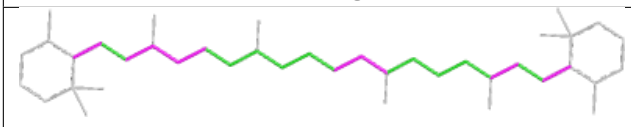
Ligand BCR h 601



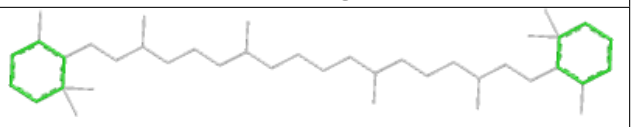
Bond lengths



Bond angles

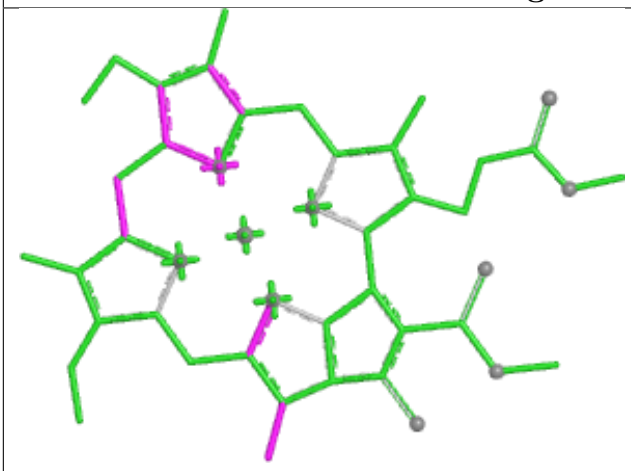


Torsions

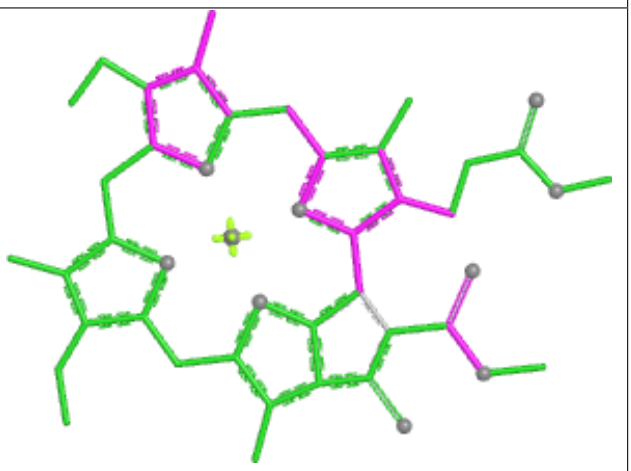


Rings

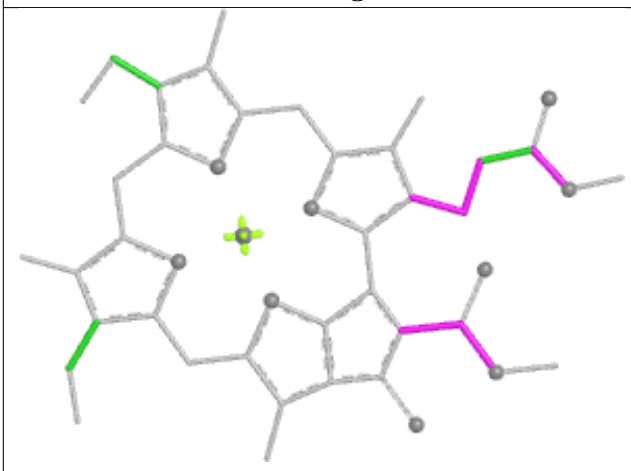
Ligand CLA n 503



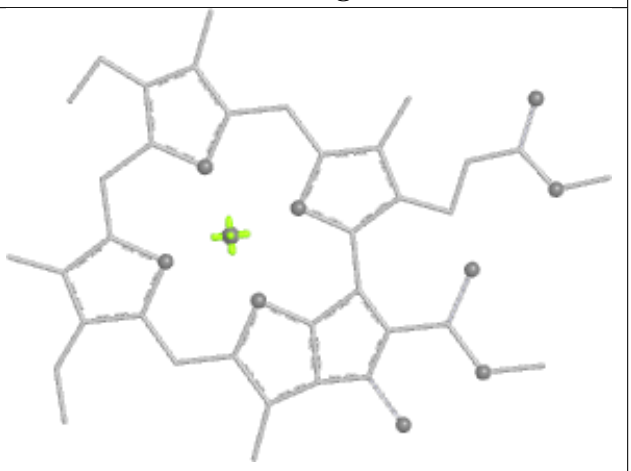
Bond lengths



Bond angles

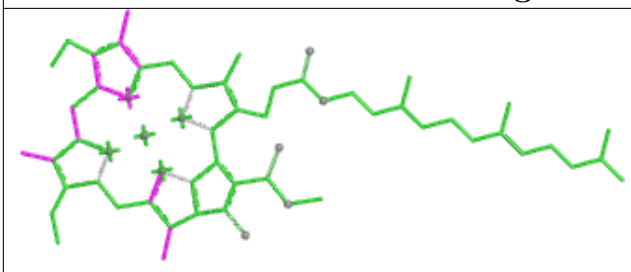


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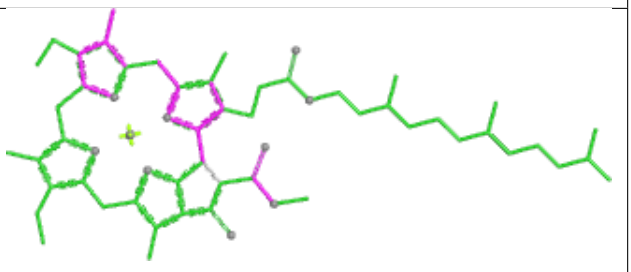


Rings

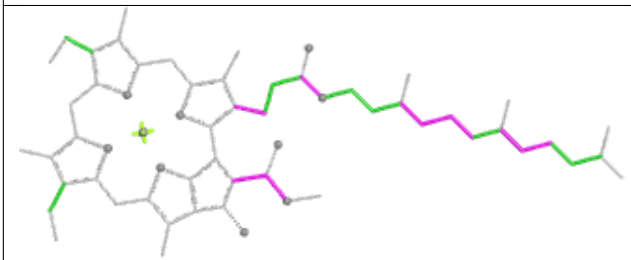
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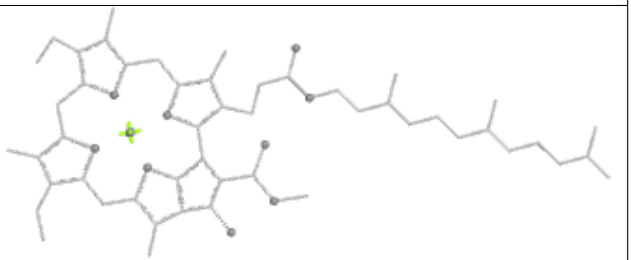
Bond lengths



Bond angles

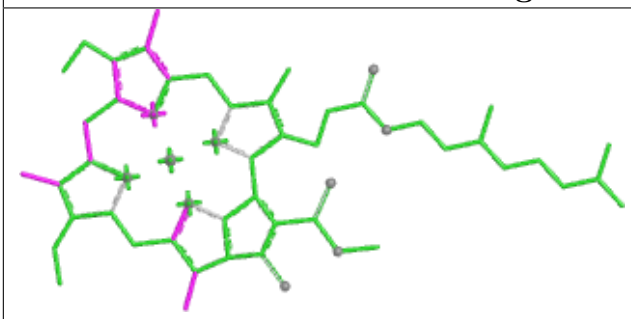


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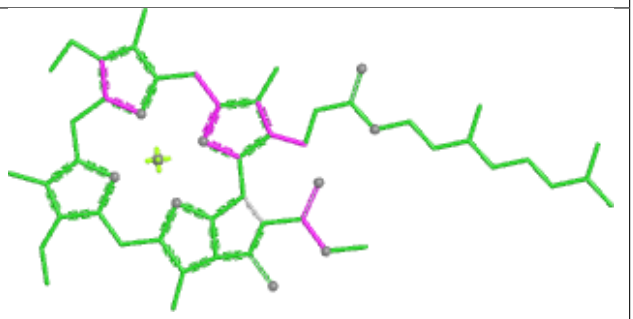


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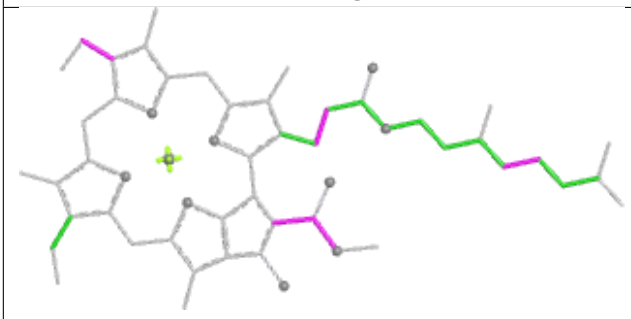
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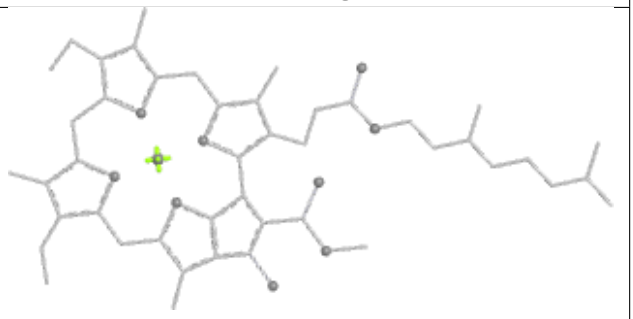
Bond lengths



Bond angles

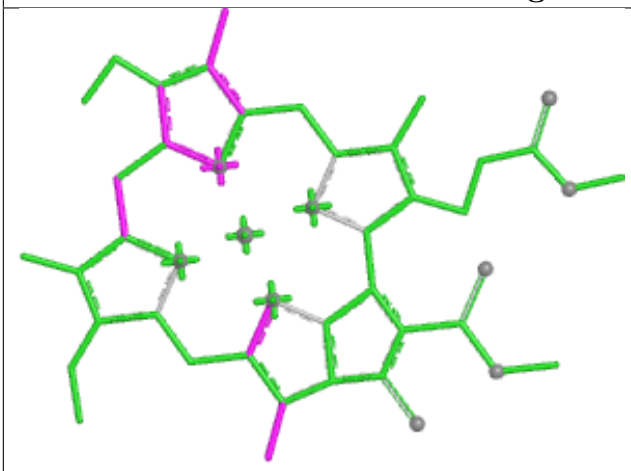


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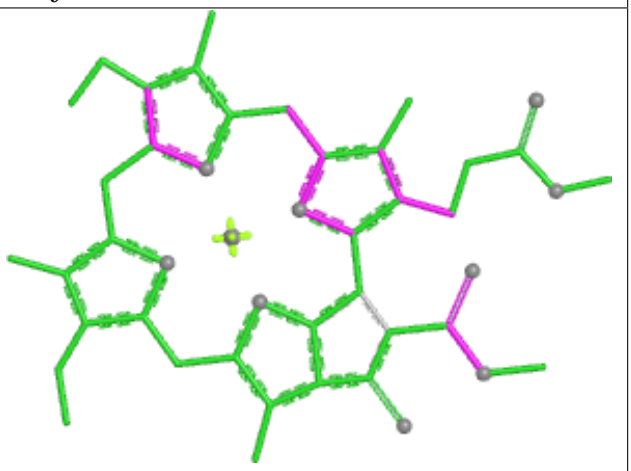


Rings

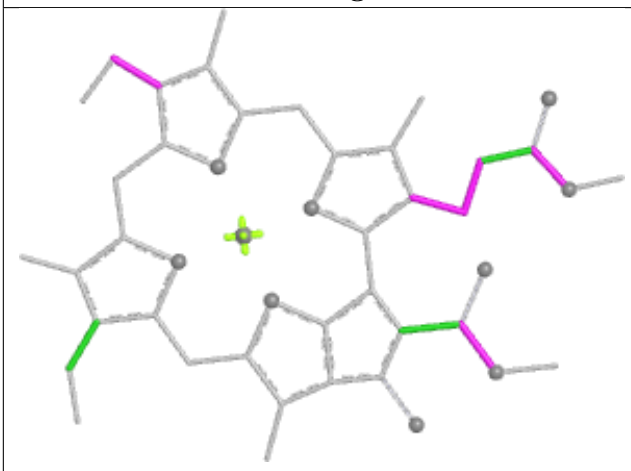
Ligand CLA y 501



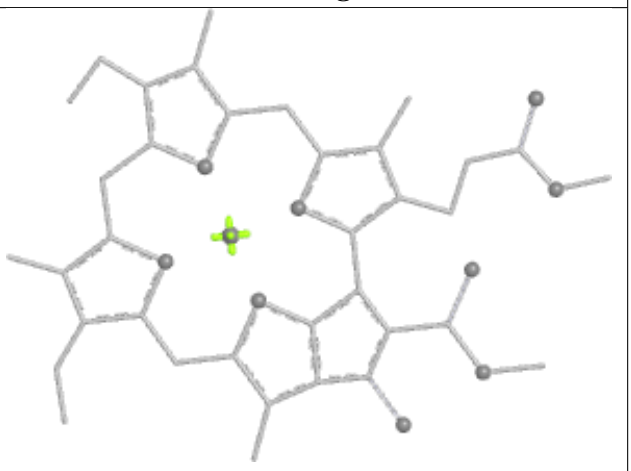
Bond lengths



Bond angles

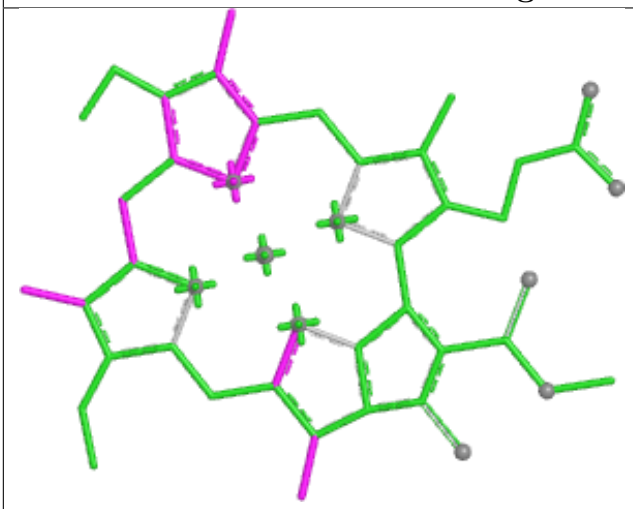


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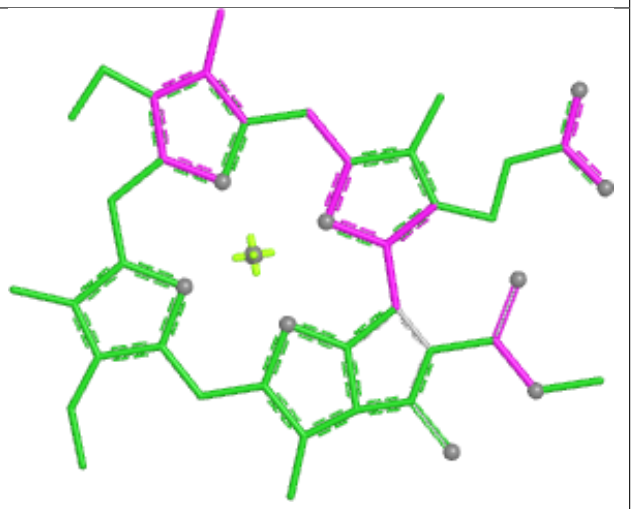


Rings

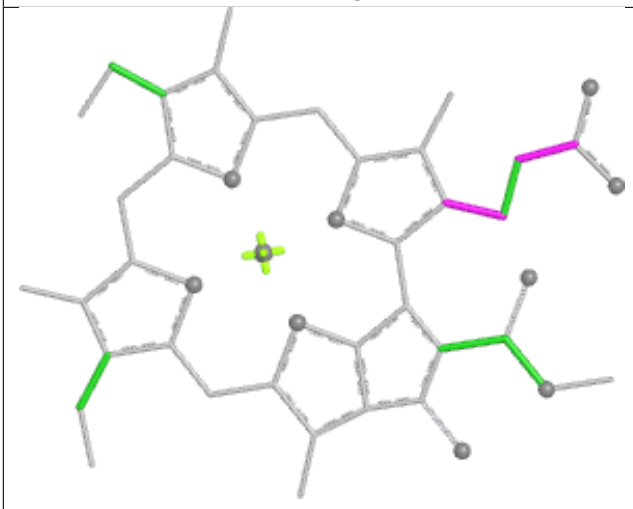
Ligand CLA F 1301



Bond lengths



Bond angles

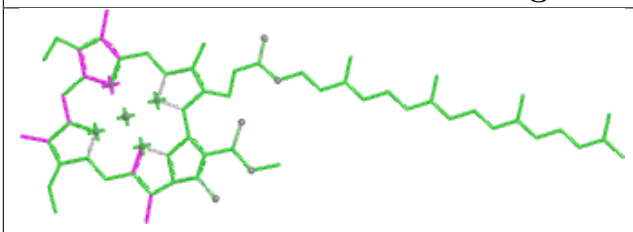


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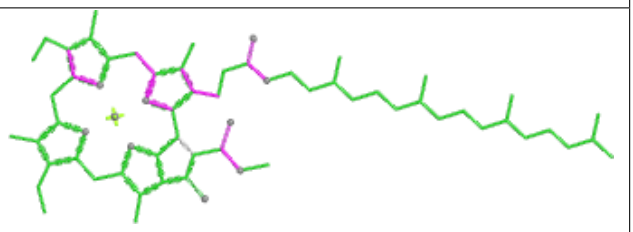


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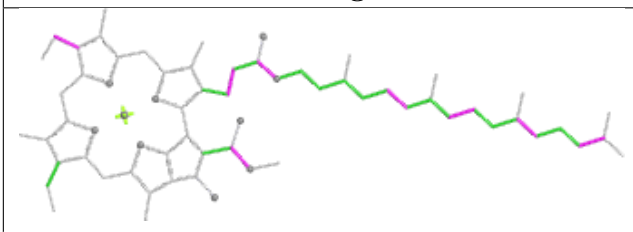
Ligand CLA r 515



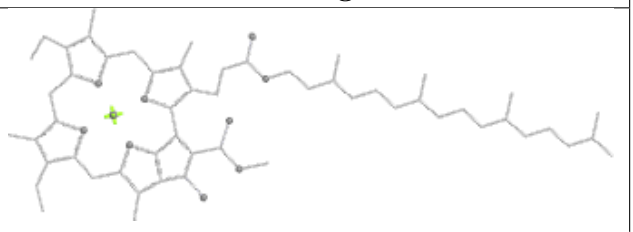
Bond lengths



Bond angles

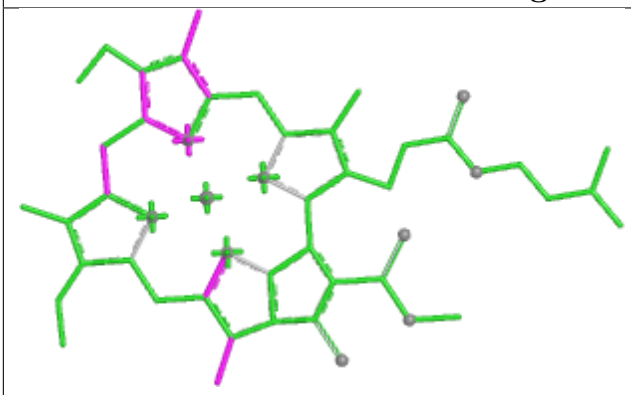


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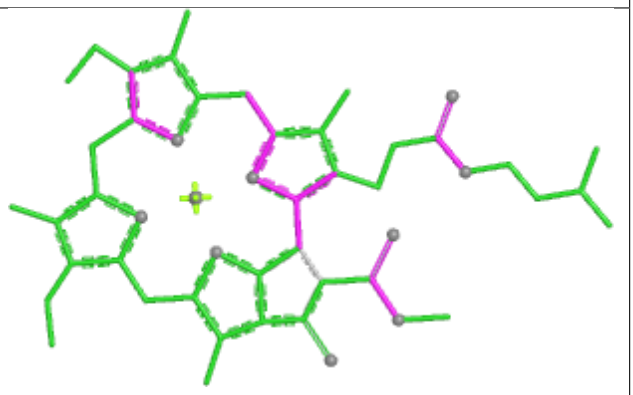


Rings

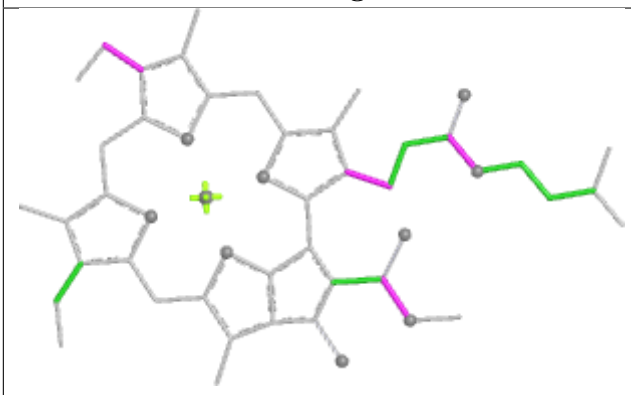
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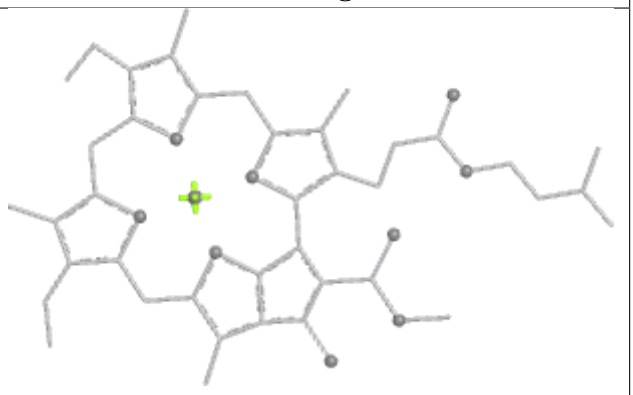
Bond lengths



Bond angles

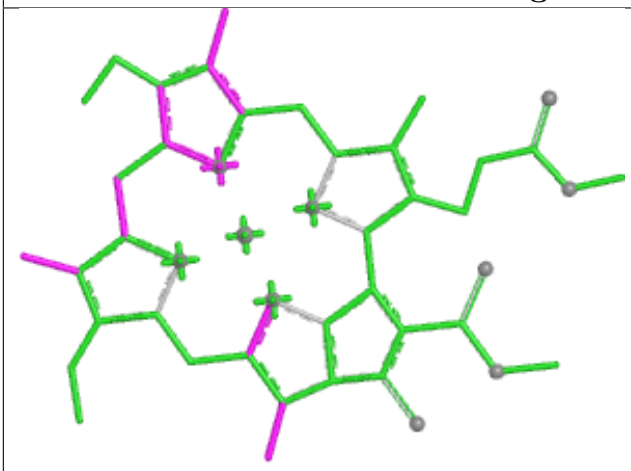


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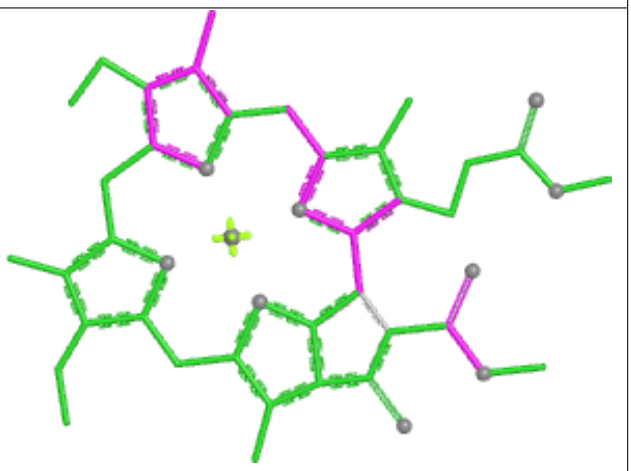


Rings

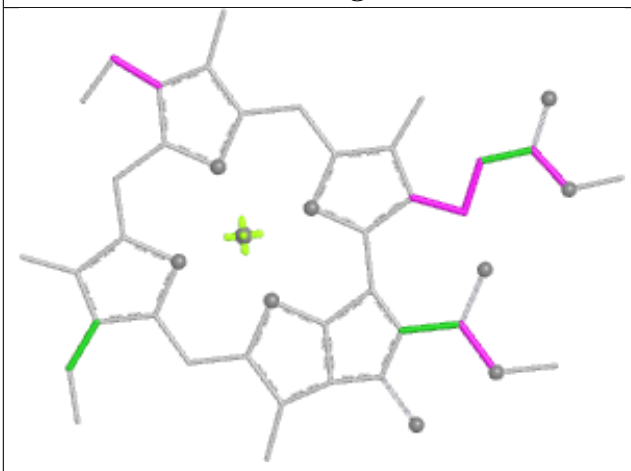
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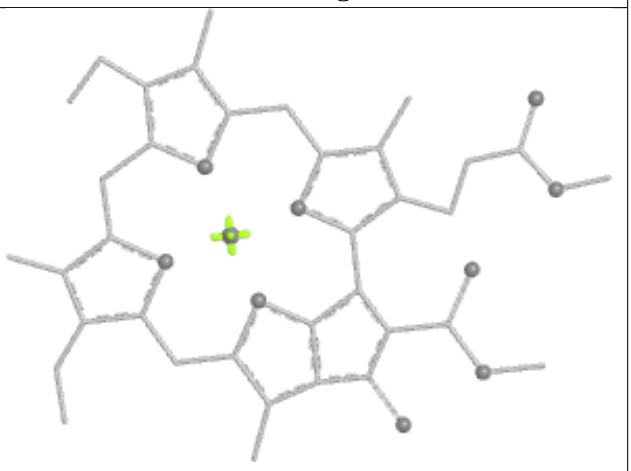
Bond lengths



Bond angles

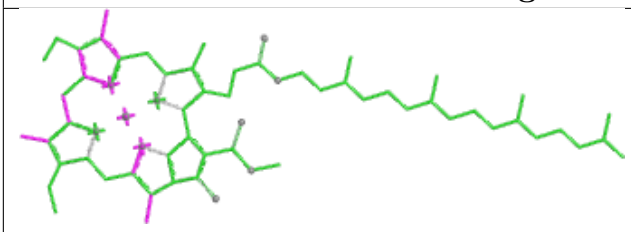


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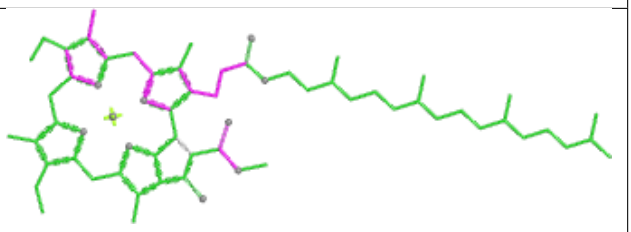


Rings

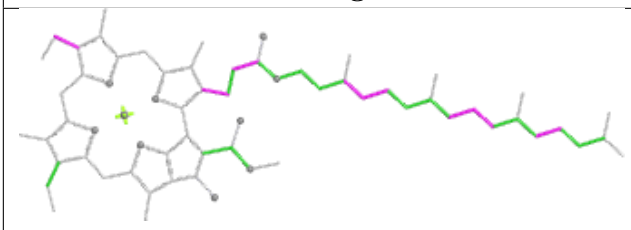
Ligand CLA b 1238



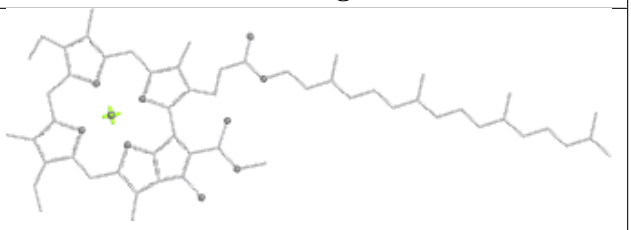
Bond lengths



Bond angles

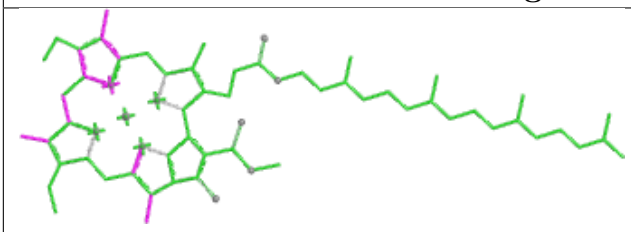


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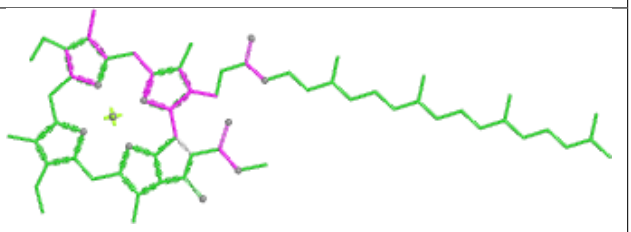


Rings

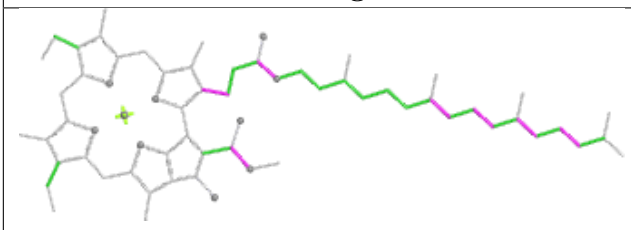
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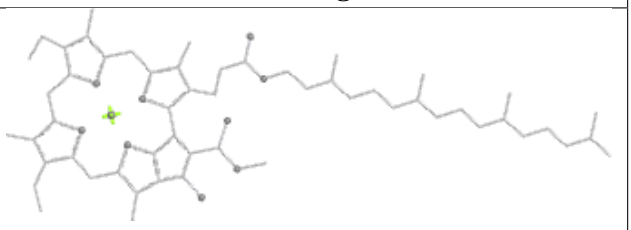
Bond lengths



Bond angles

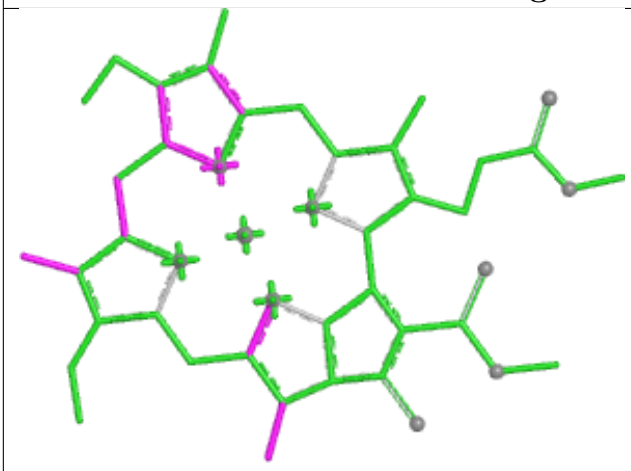


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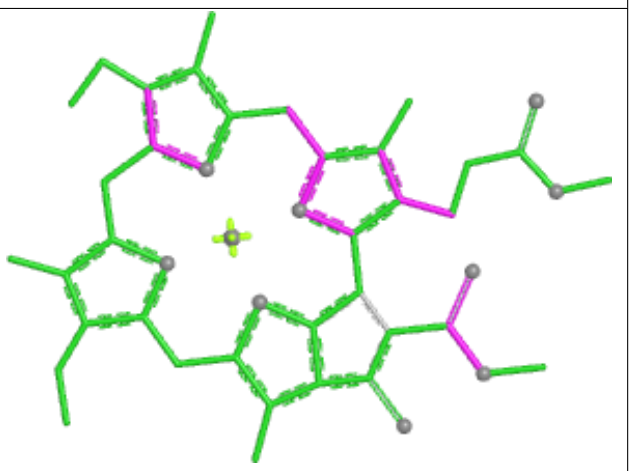


Rings

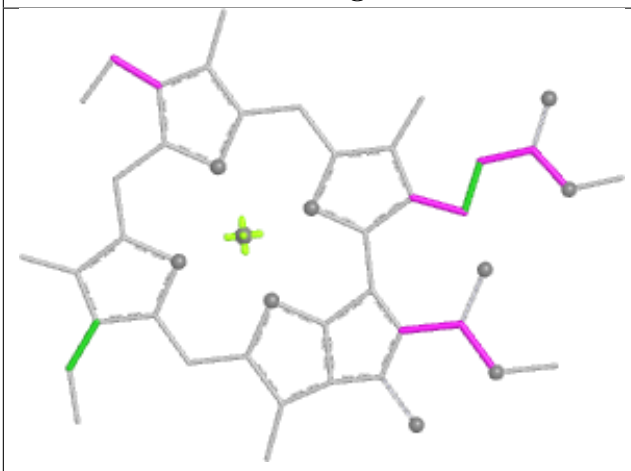
Ligand CLA s 503



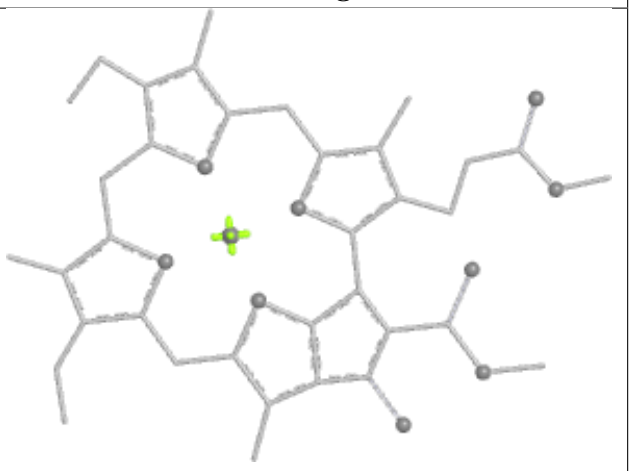
Bond lengths



Bond angles

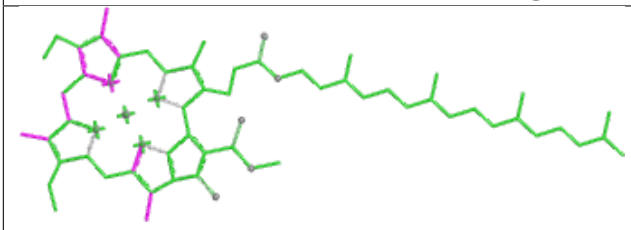


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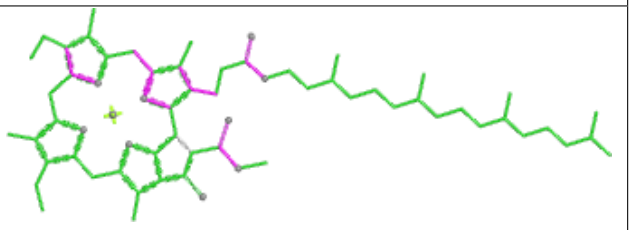


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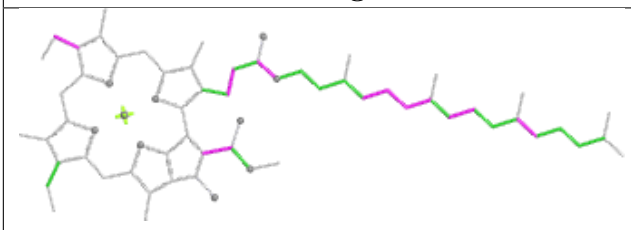
Ligand CLA n 515



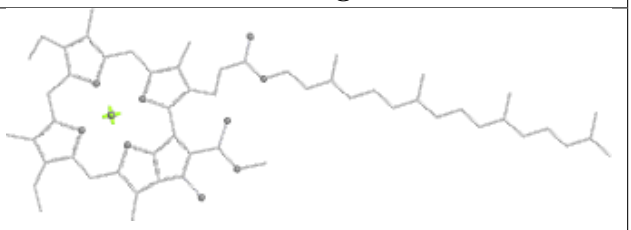
Bond lengths



Bond angles

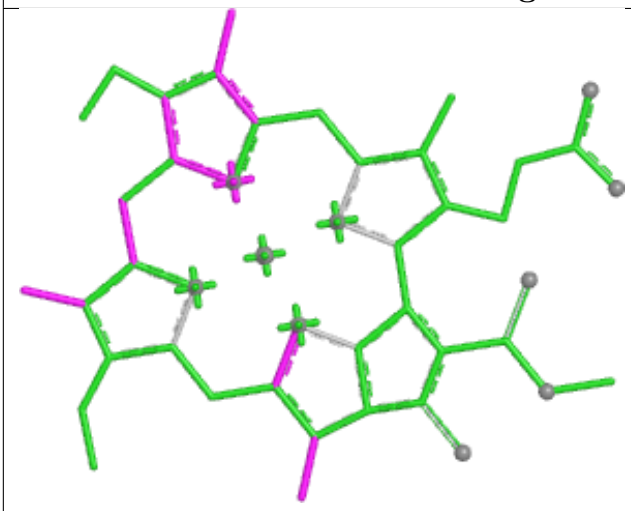


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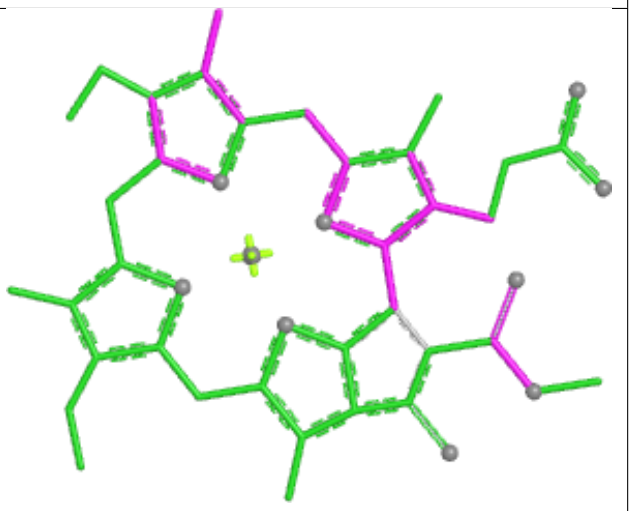


Rings

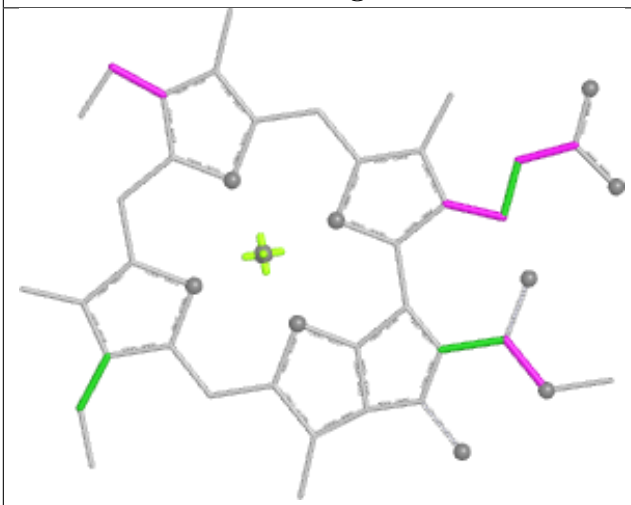
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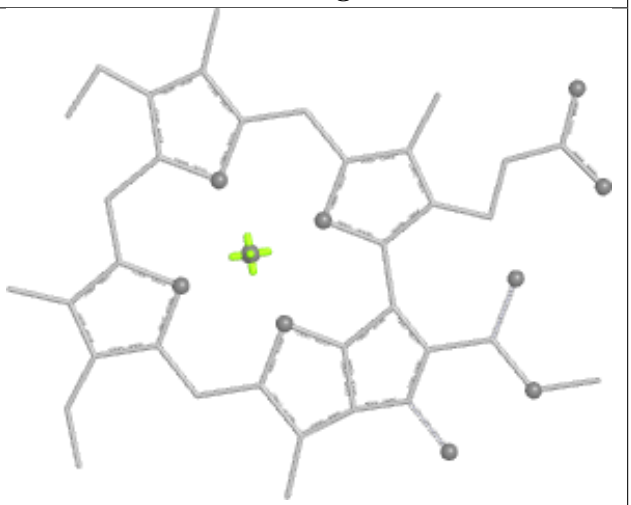
Bond lengths



Bond angles

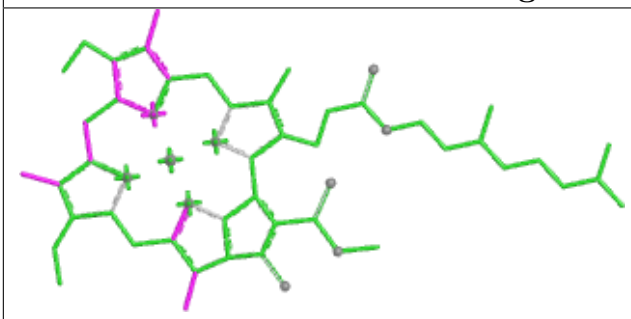


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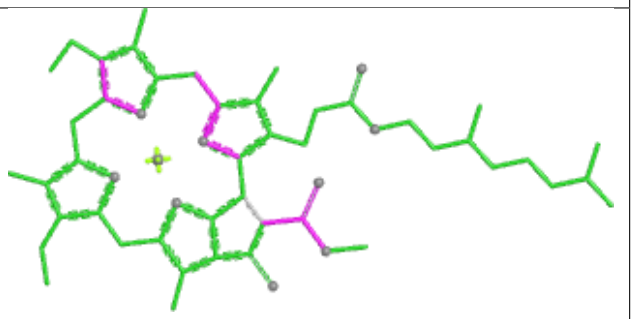


Rings

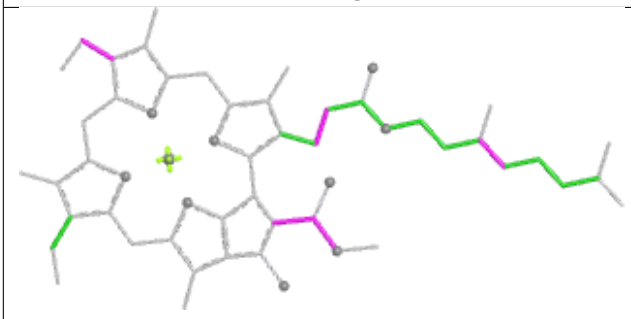
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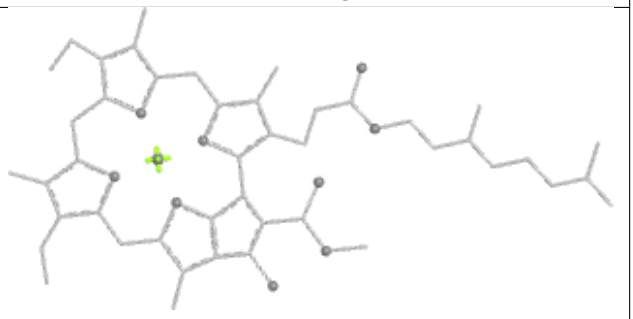
Bond lengths



Bond angles

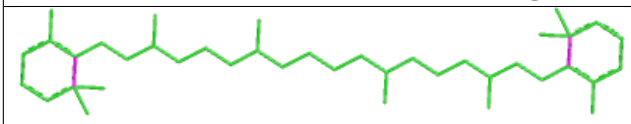


Torsions

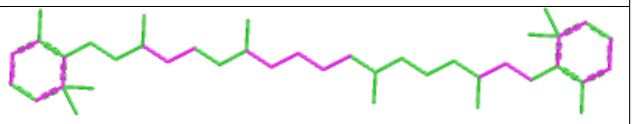


Rings

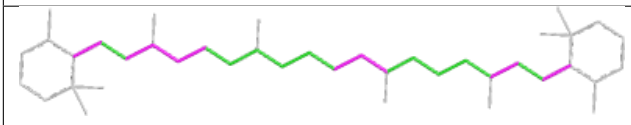
Ligand BCR v 601



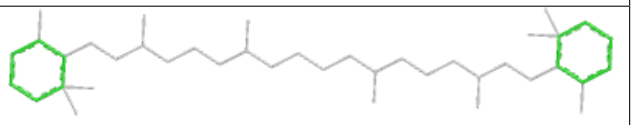
Bond lengths



Bond angles

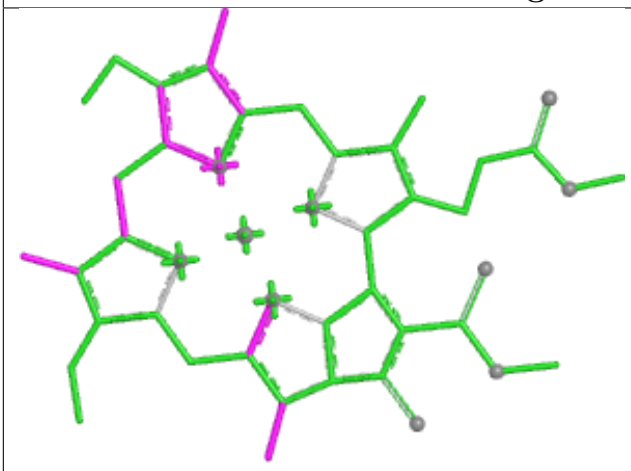


Torsions

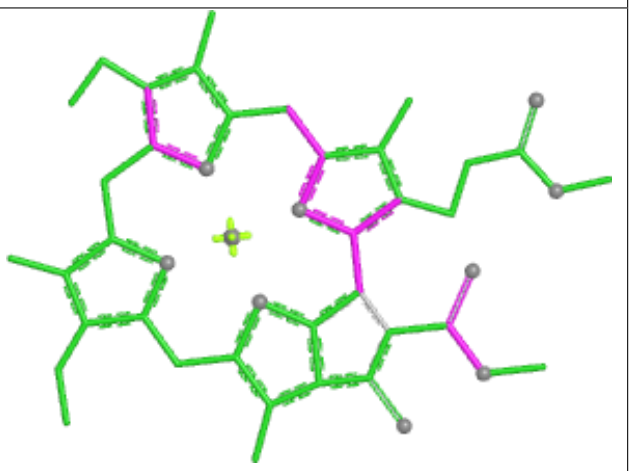


Rings

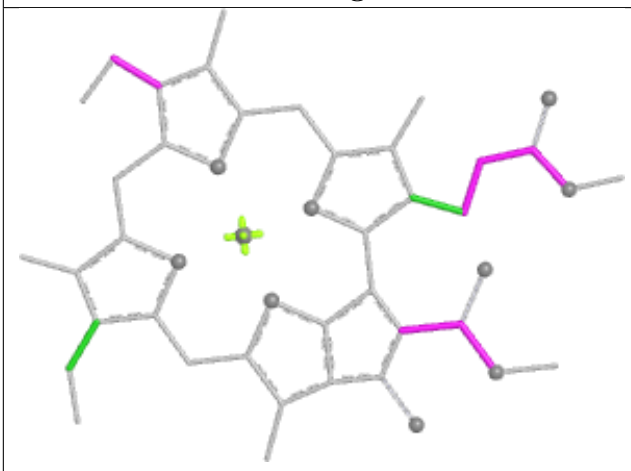
Ligand CLA n 516



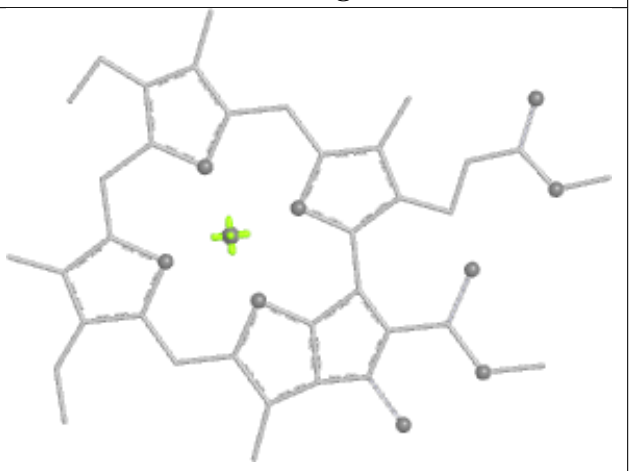
Bond lengths



Bond angles

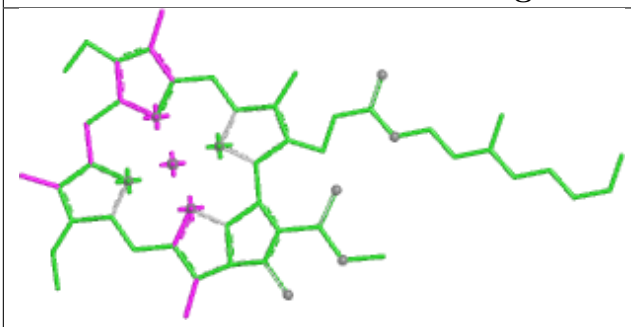


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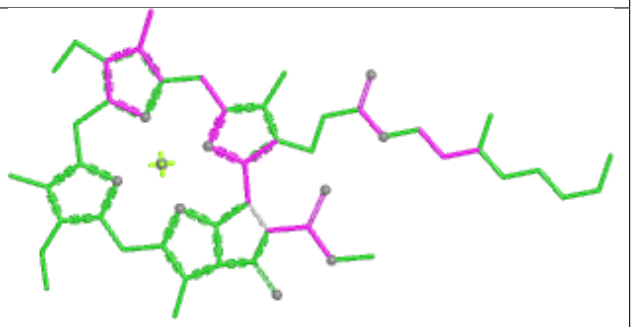


Rings

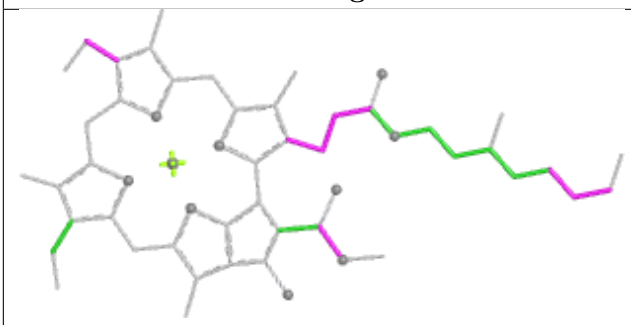
Ligand CLA A 1116



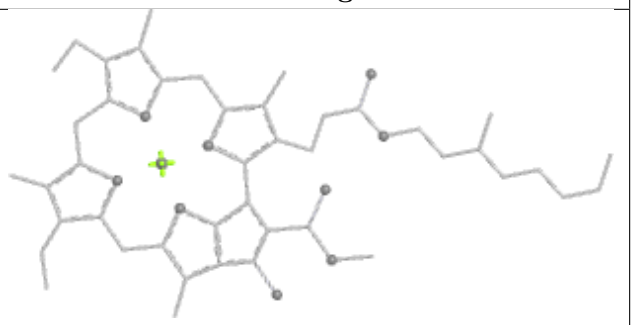
Bond lengths



Bond angles

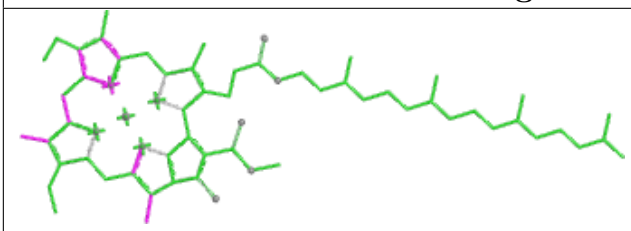


Torsions

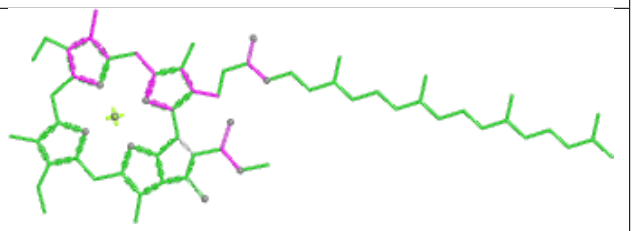


Rings

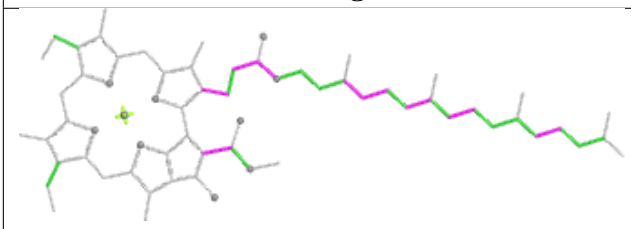
Ligand CLA B 1202



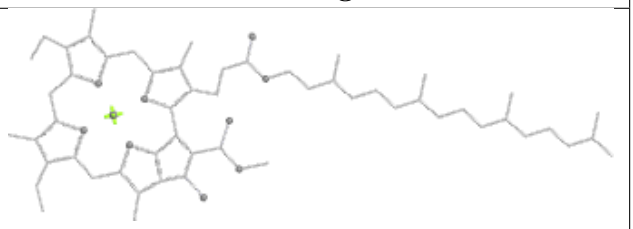
Bond lengths



Bond angles

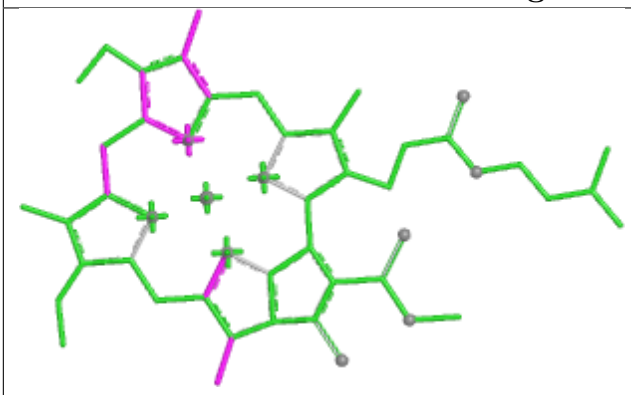


Torsions

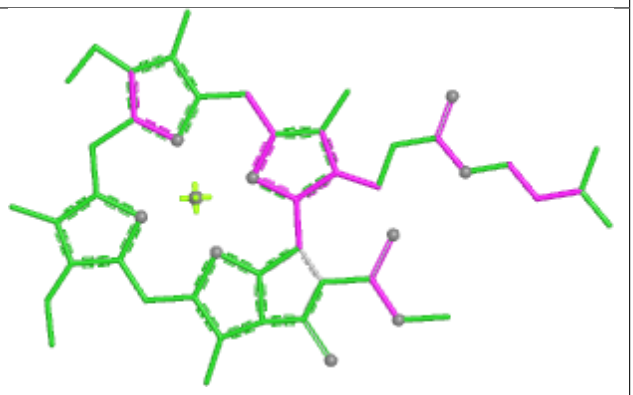


Rings

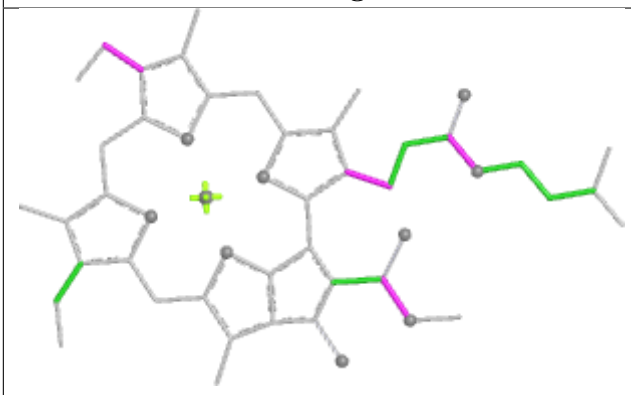
Ligand CLA n 513



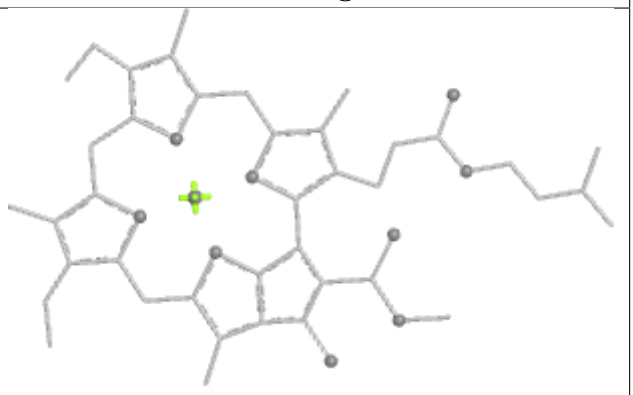
Bond lengths



Bond angles

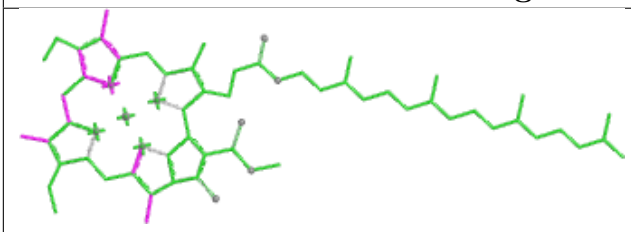


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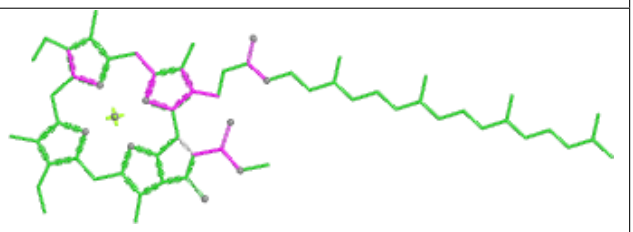


Rings

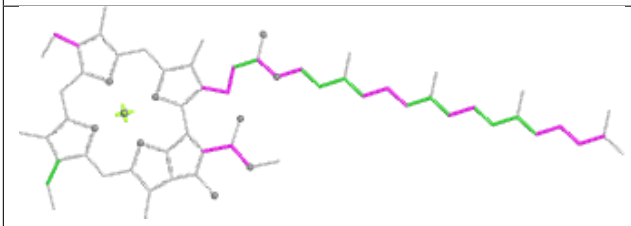
Ligand CLA A 1106



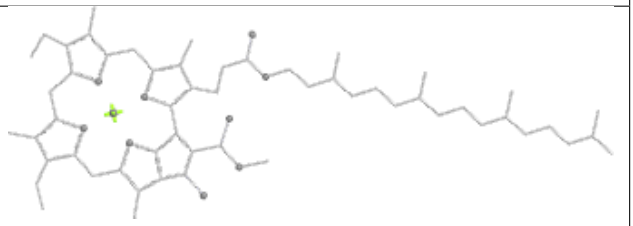
Bond lengths



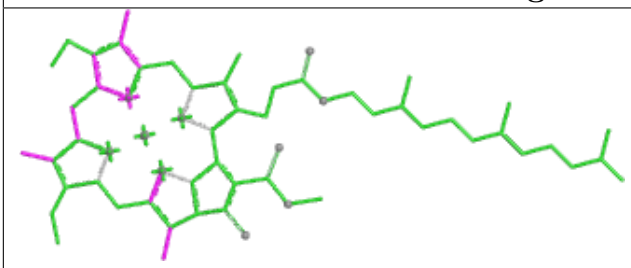
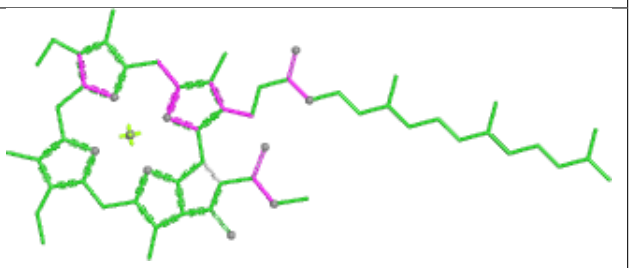
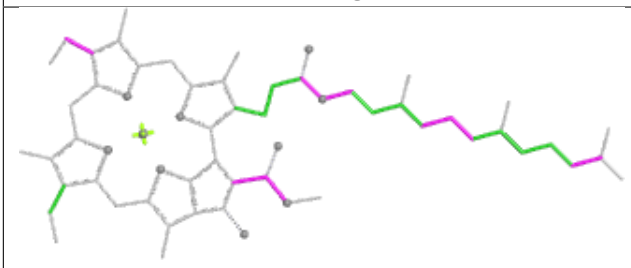
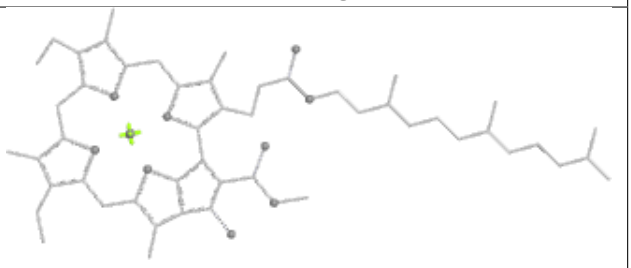
Bond angles

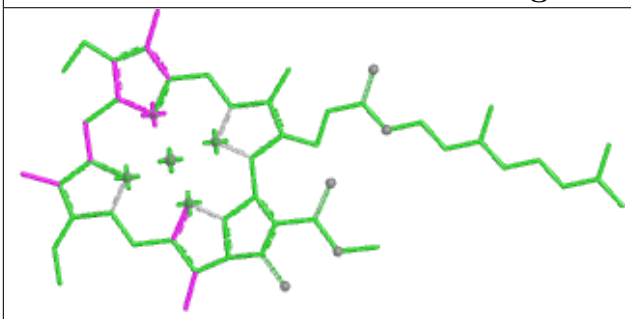
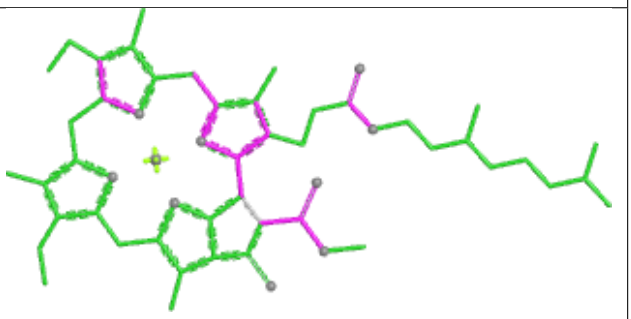
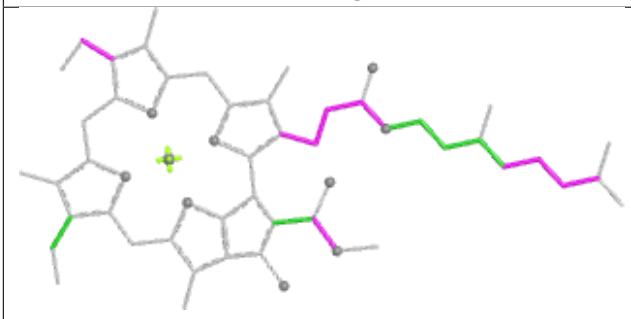
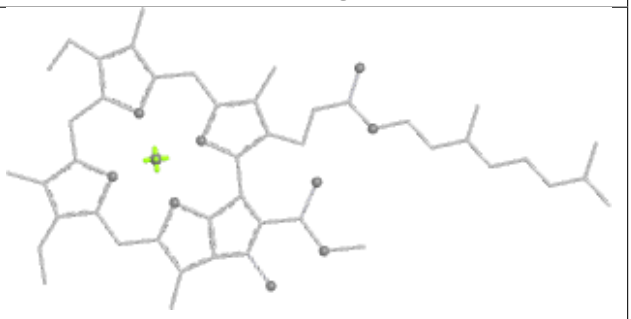


Torsions

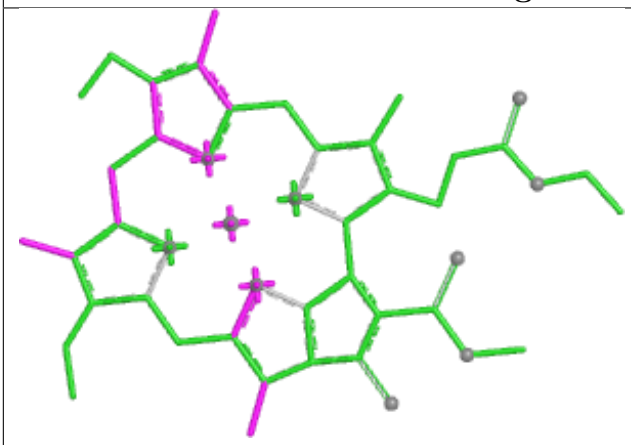


Rings

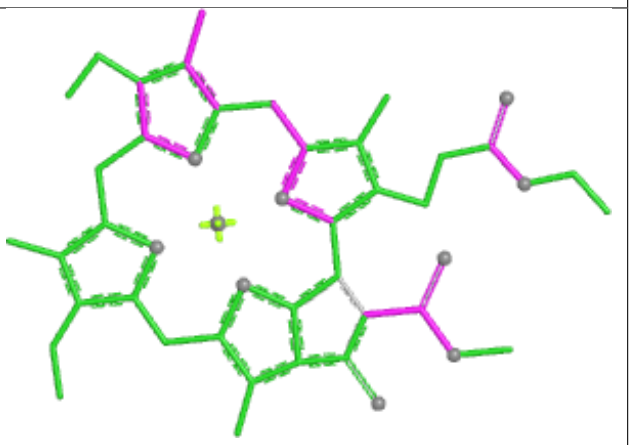
Ligand CLA n 506	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA t 517	
	
Bond lengths	Bond angles
	
Torsions	Rings

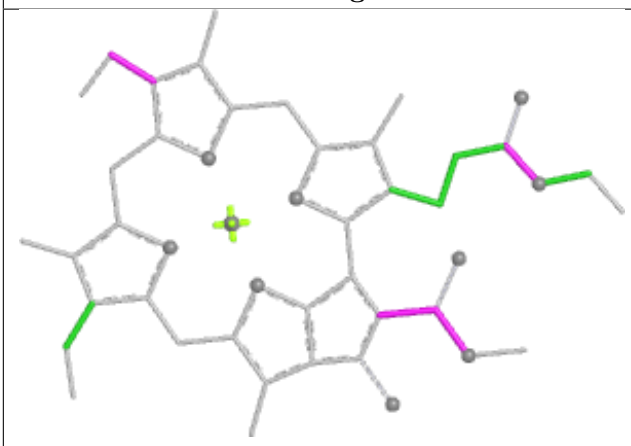
Ligand CLA A 1137



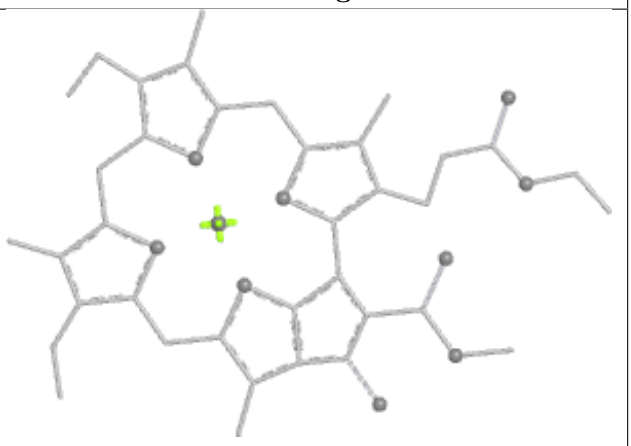
Bond lengths



Bond angles

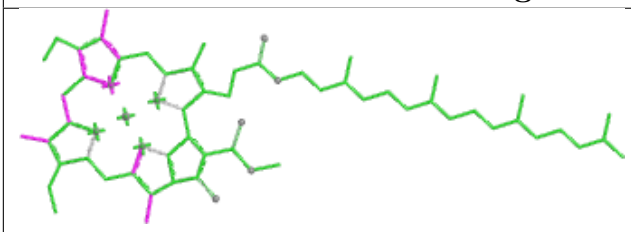


Torsions

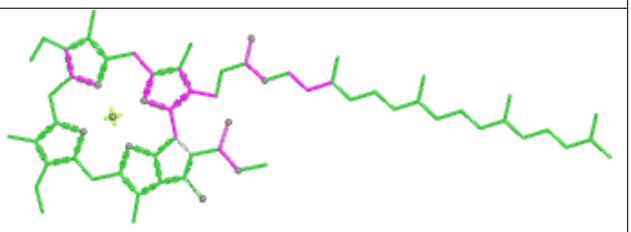


Rings

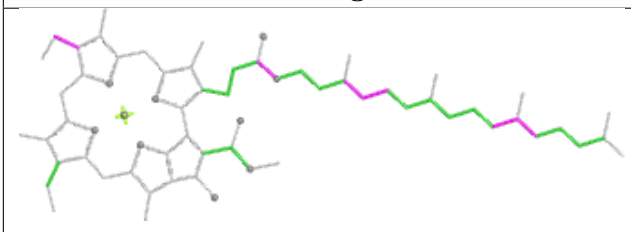
Ligand CLA H 1138



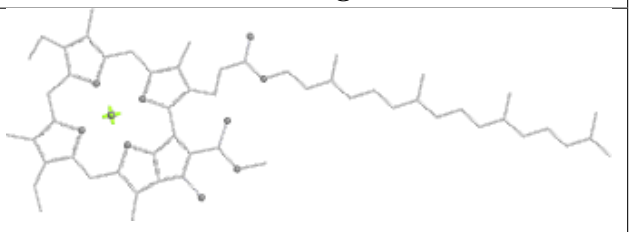
Bond lengths



Bond angles

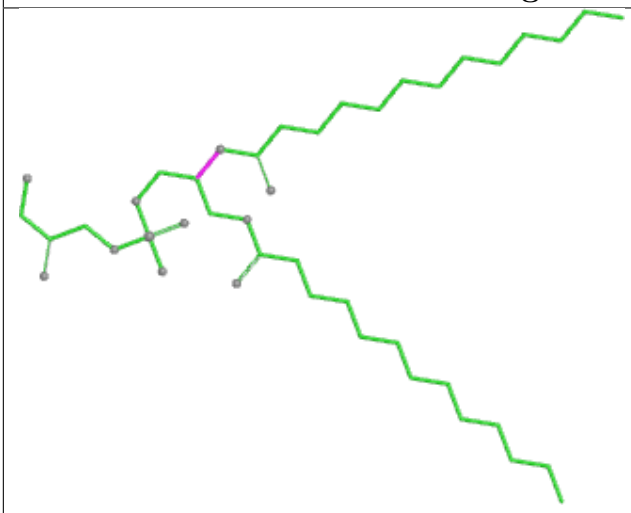


Torsions

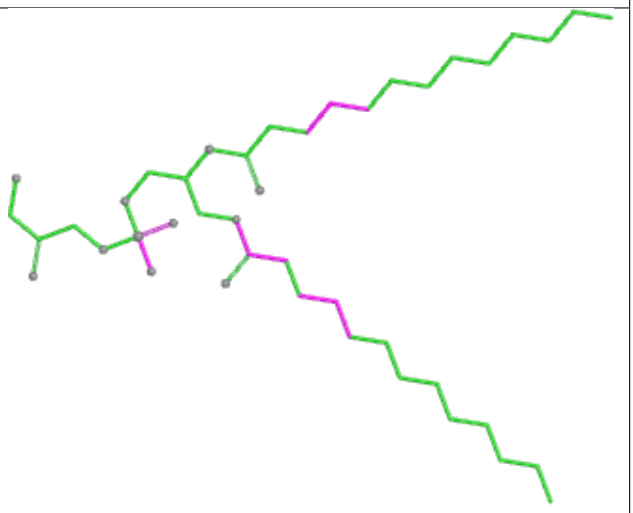


Rings

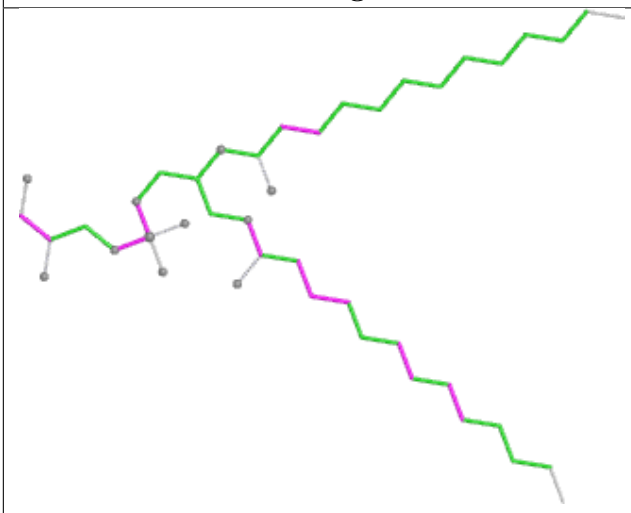
Ligand LHG H 849



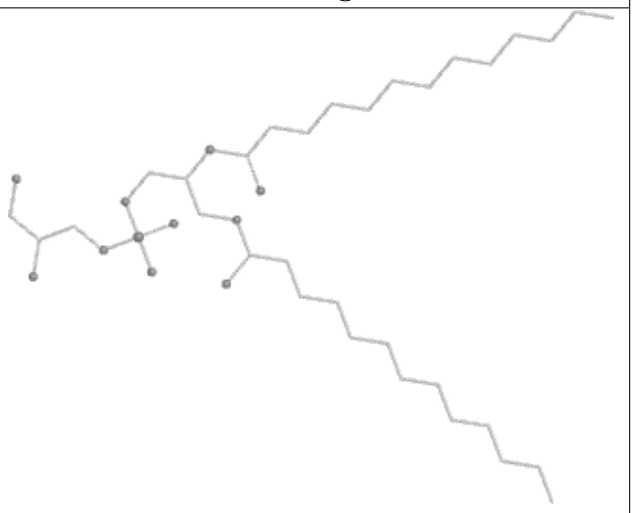
Bond lengths



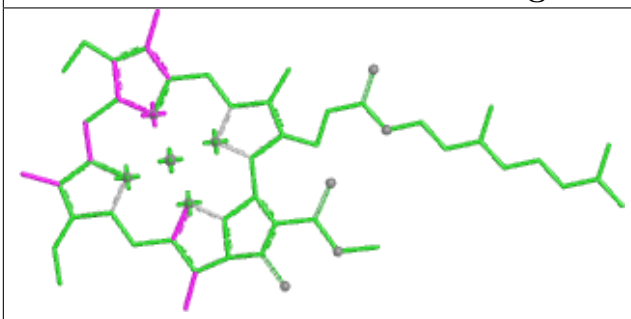
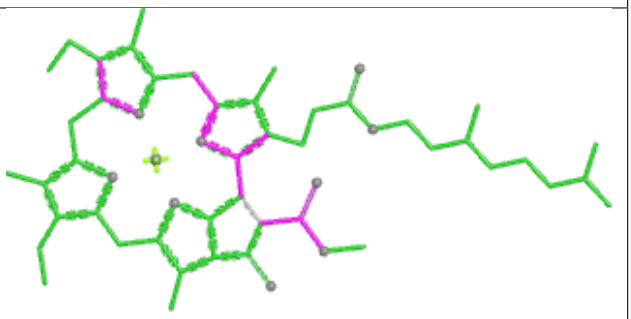
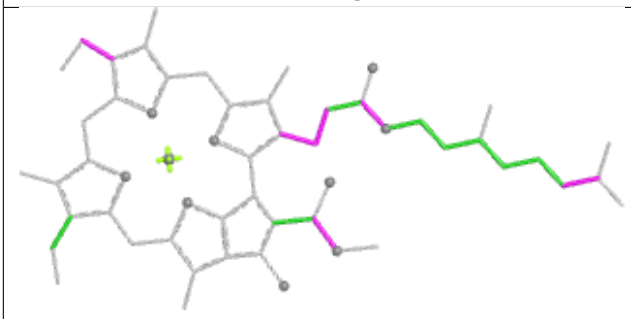
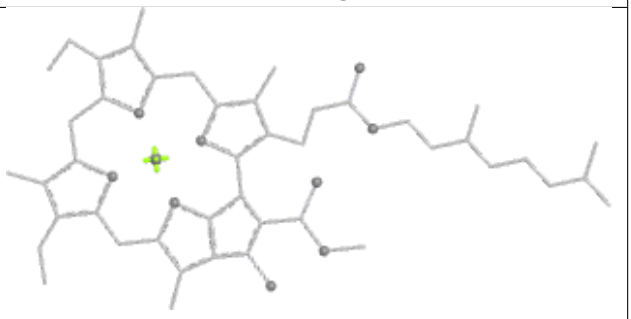
Bond angles

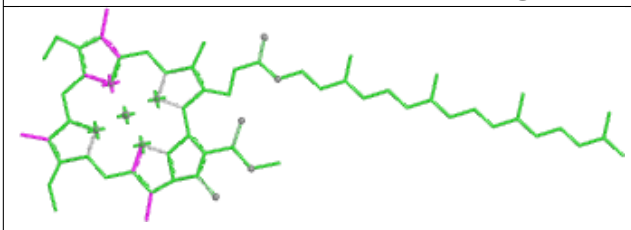
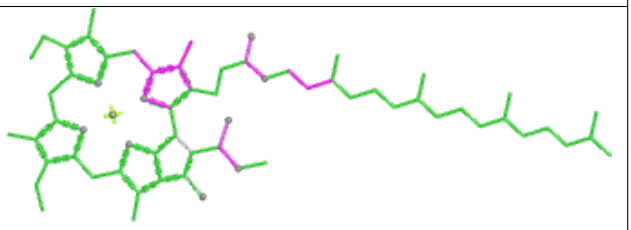
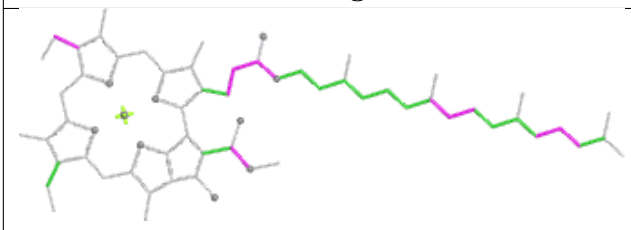
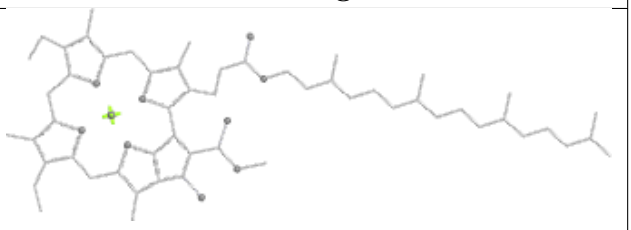


Torsions

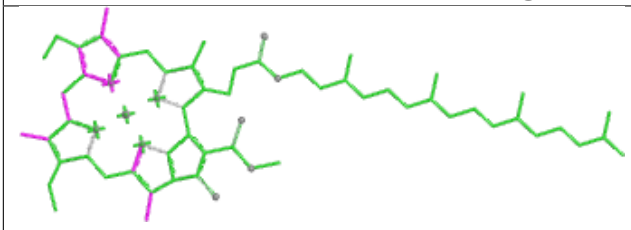


Rings

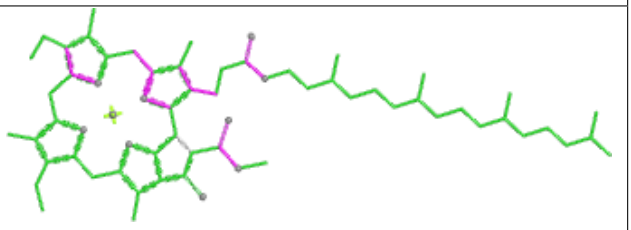
Ligand CLA o 508	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA G 1021	
 Bond lengths	 Bond angles
 Torsions	 Rings

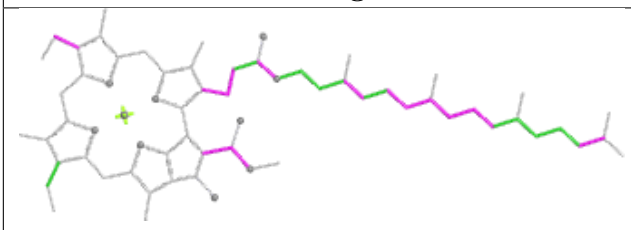
Ligand CLA a 1140



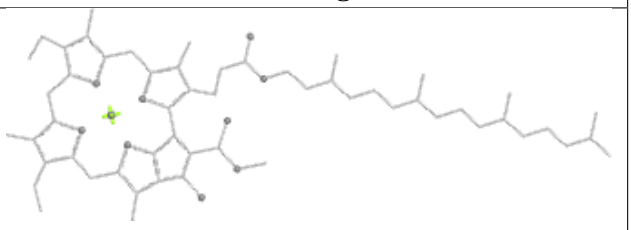
Bond lengths



Bond angles

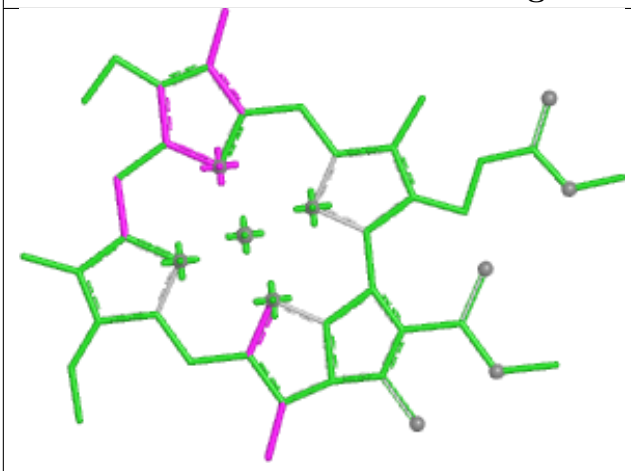


Torsions

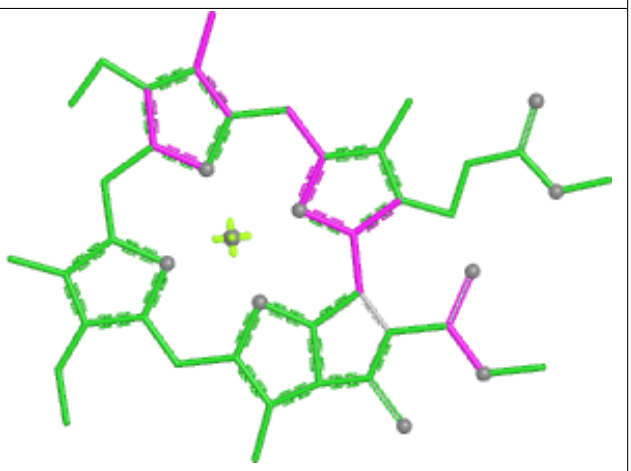


Rings

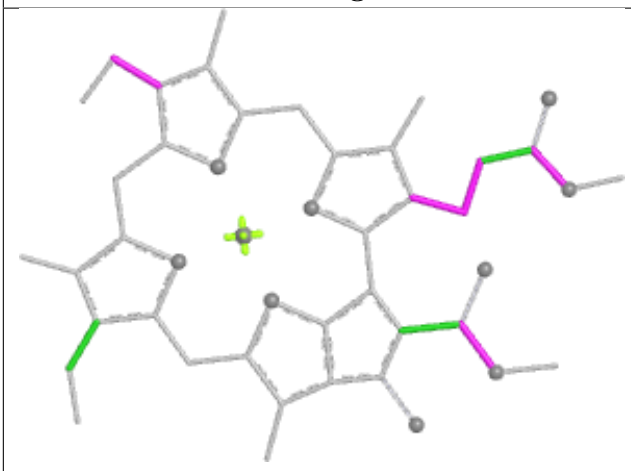
Ligand CLA x 516



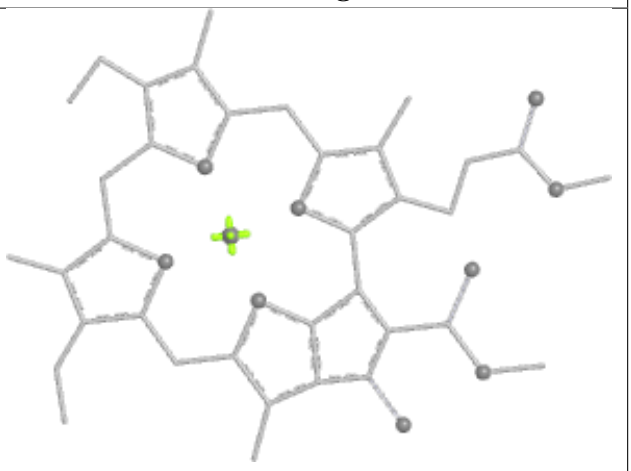
Bond lengths



Bond angles

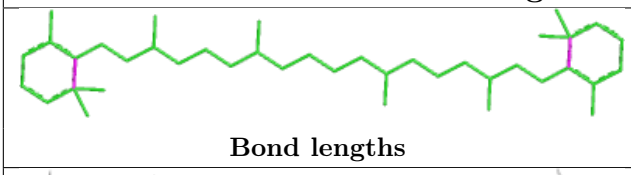


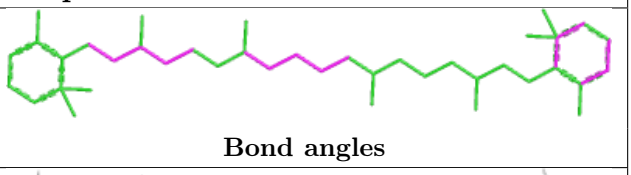
Torsions

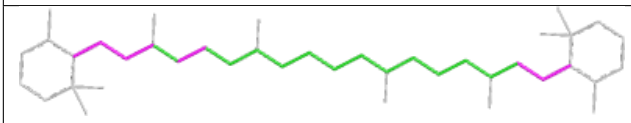


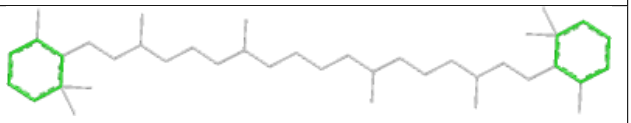
Rings

Ligand BCR q 603


Bond lengths

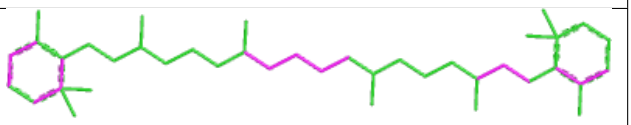

Bond angles

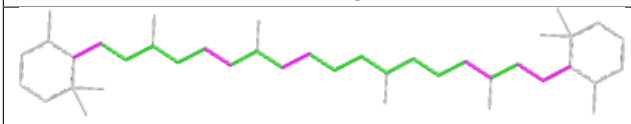

Torsions

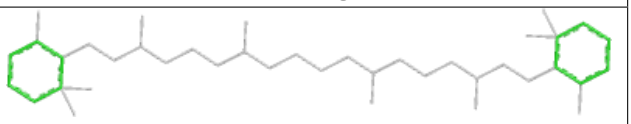

Rings

Ligand BCR s 604

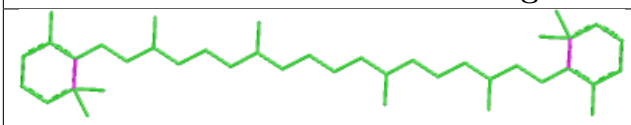

Bond lengths

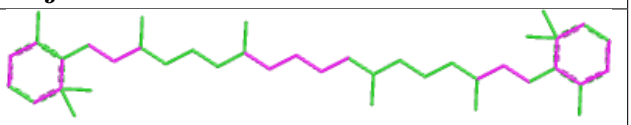

Bond angles

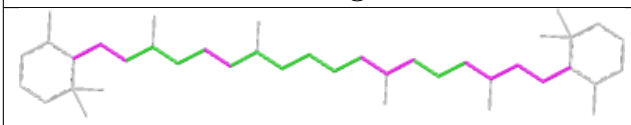

Torsions

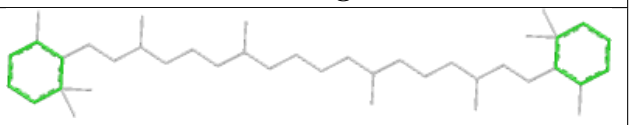

Rings

Ligand BCR j 4012


Bond lengths

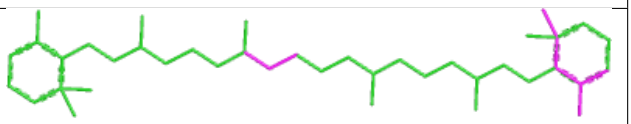

Bond angles

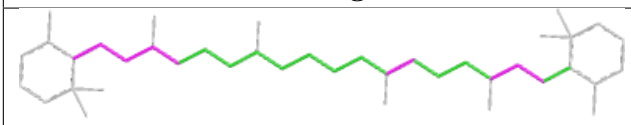

Torsions

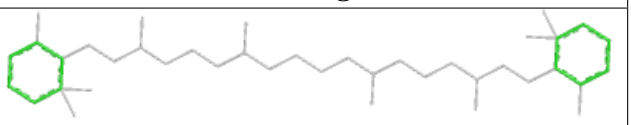

Rings

Ligand BCR K 1501

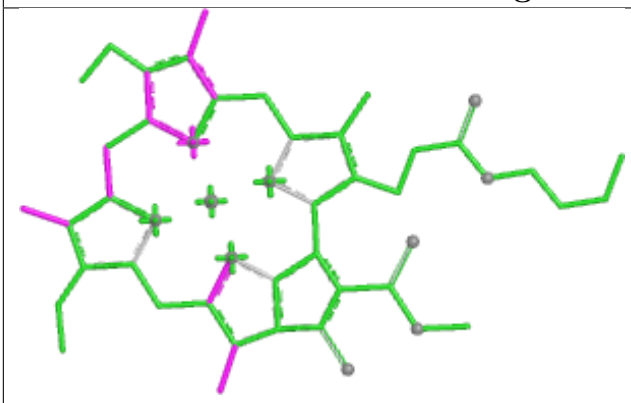

Bond lengths


Bond angles

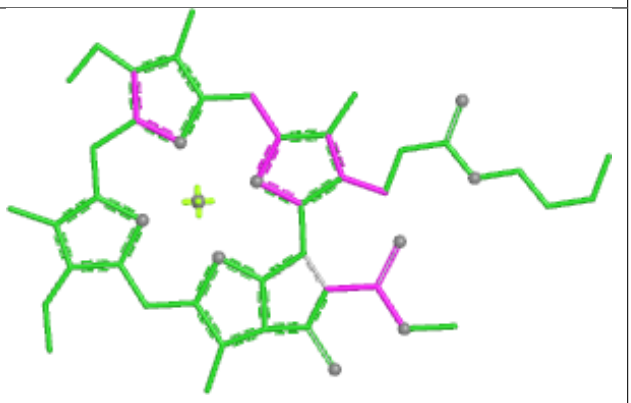

Torsions


Rings

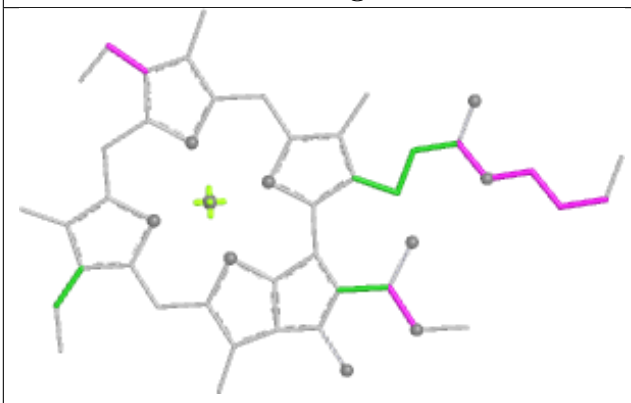
Ligand CLA G 1227



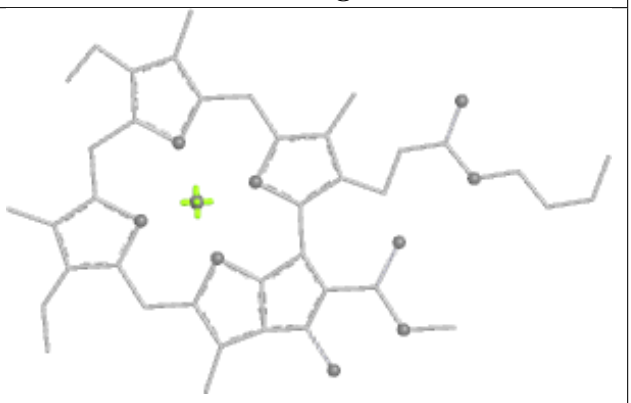
Bond lengths



Bond angles



Torsions

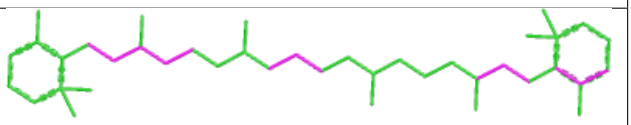


Rings

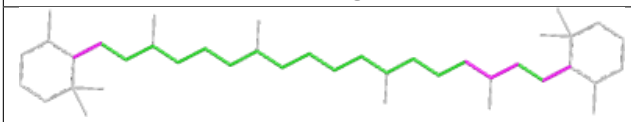
Ligand BCR A 4002



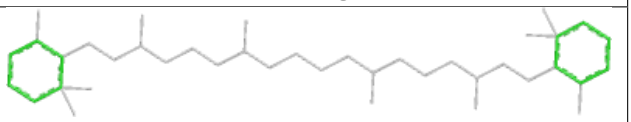
Bond lengths



Bond angles

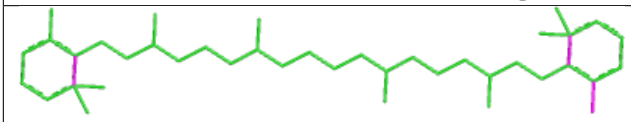


Torsions

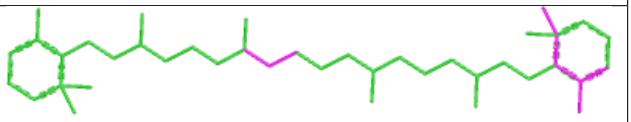


Rings

Ligand BCR T 1501



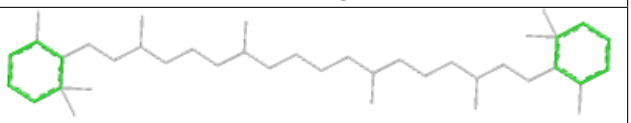
Bond lengths



Bond angles

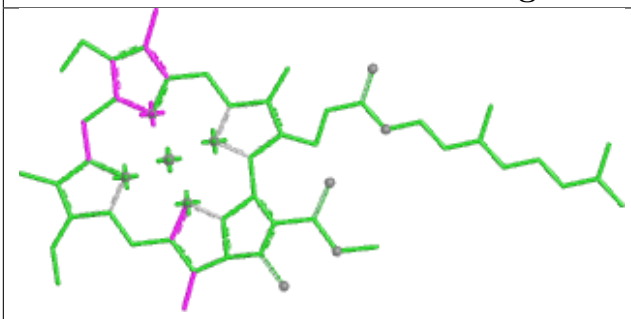


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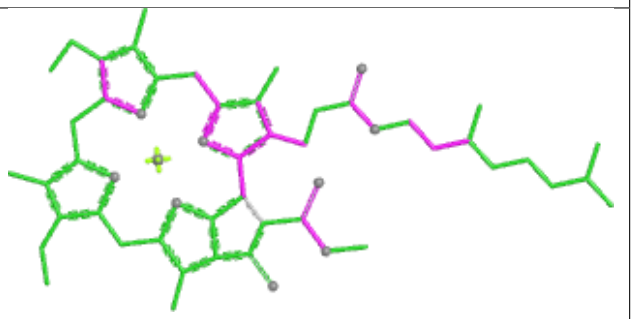


Rings

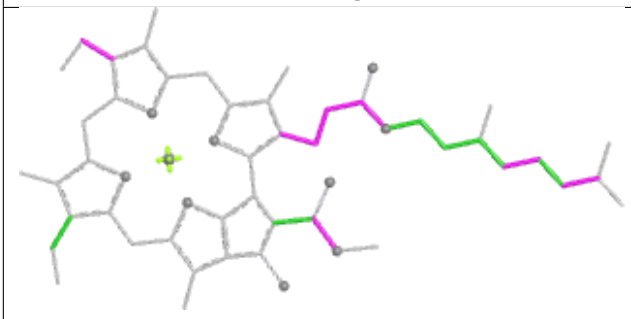
Ligand CLA W 508



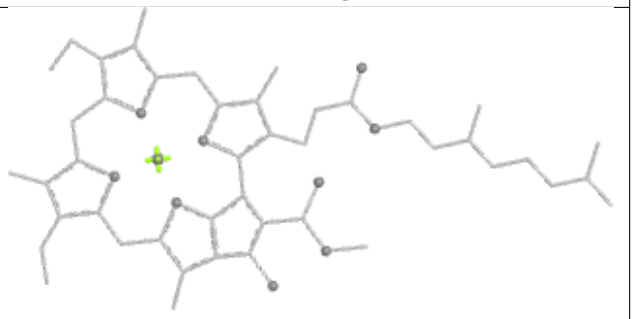
Bond lengths



Bond angles

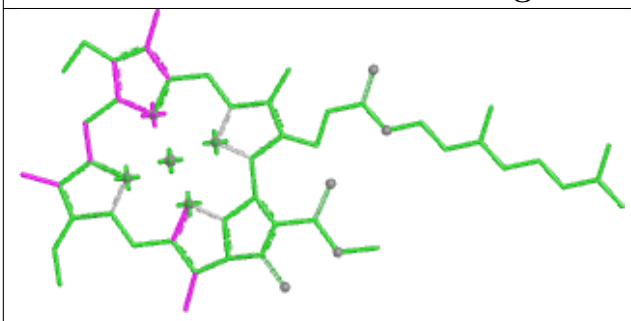


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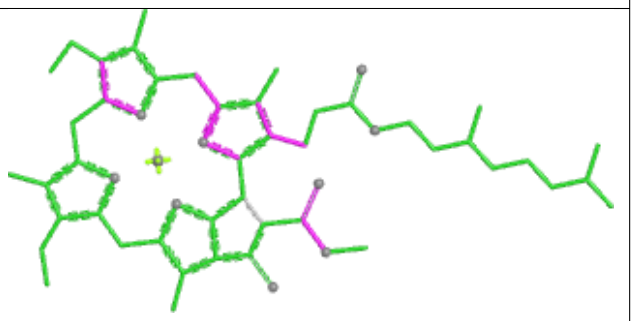


Rings

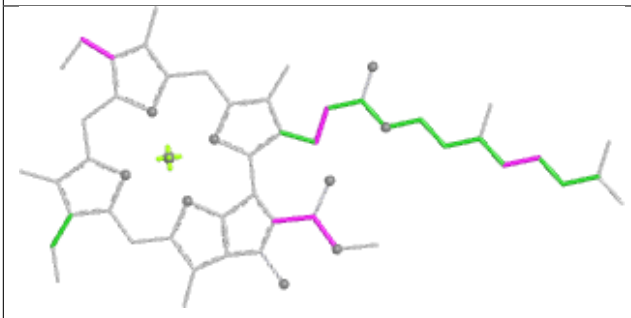
Ligand CLA G 1213



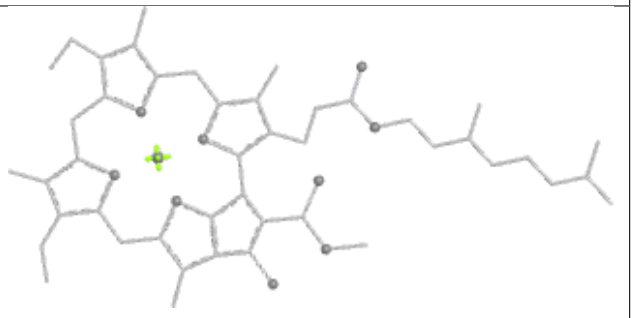
Bond lengths



Bond angles

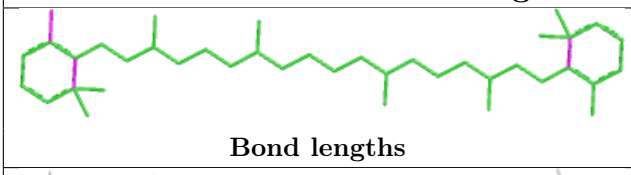


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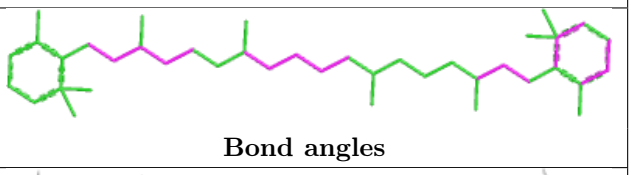


Rings

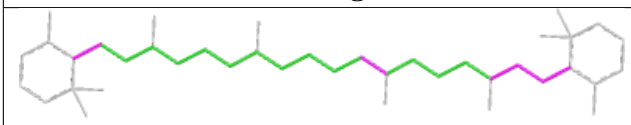
Ligand BCR H 4007



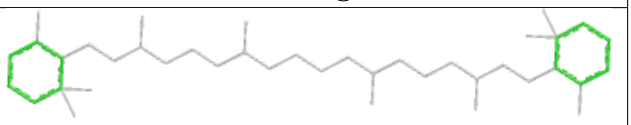
Bond lengths



Bond angles



Torsions

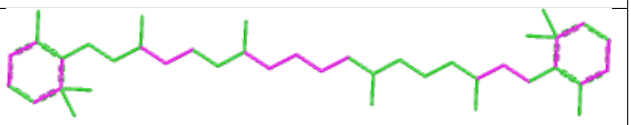


Rings

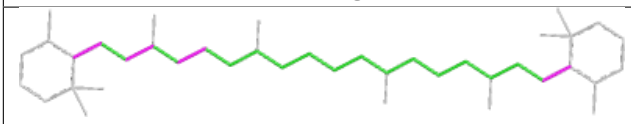
Ligand BCR s 603



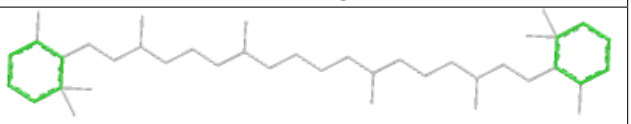
Bond lengths



Bond angles

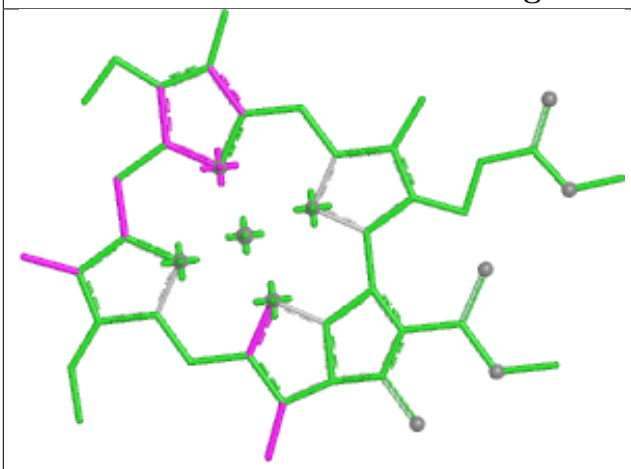


Torsions

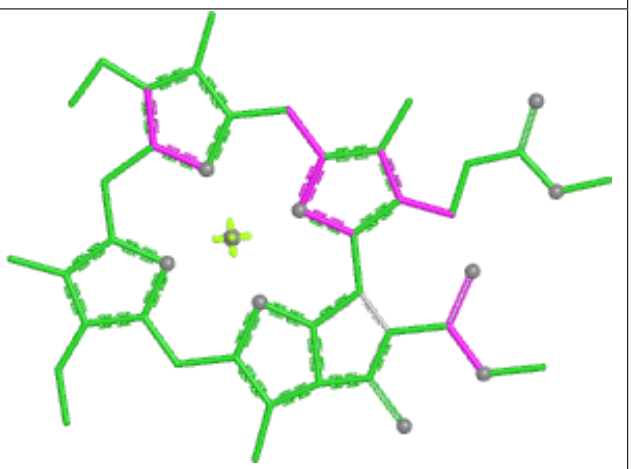


Rings

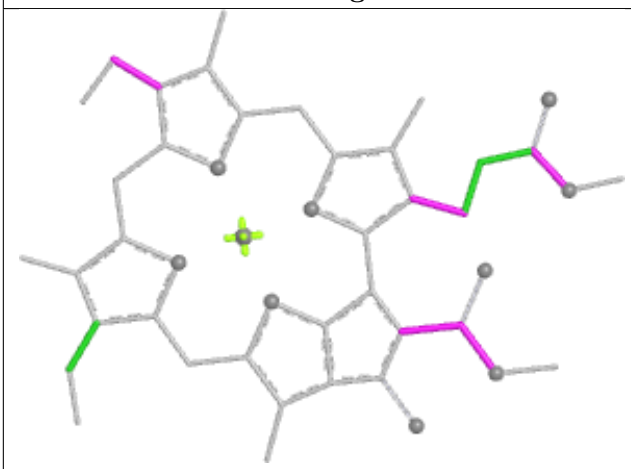
Ligand CLA Y 503



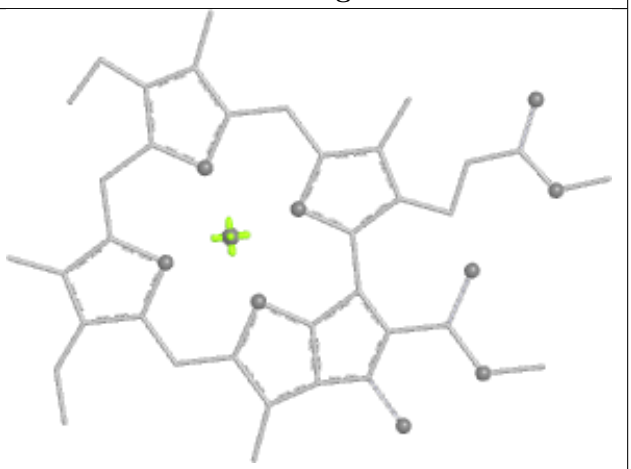
Bond lengths



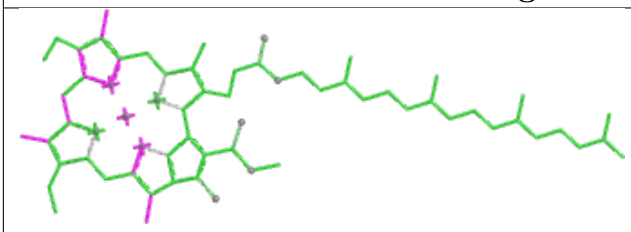
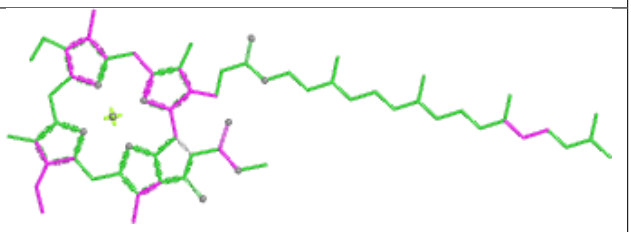
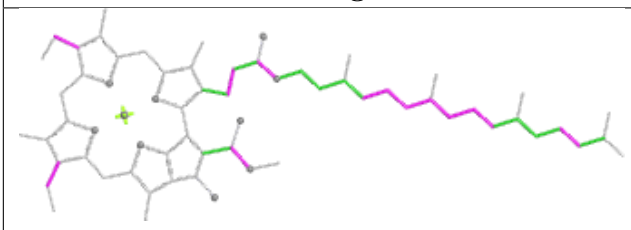
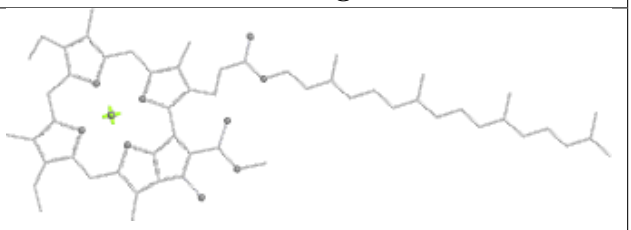
Bond angles

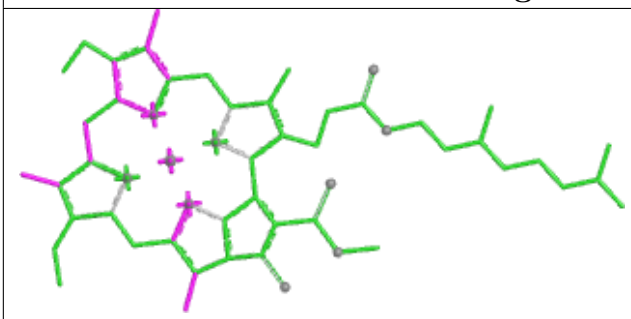
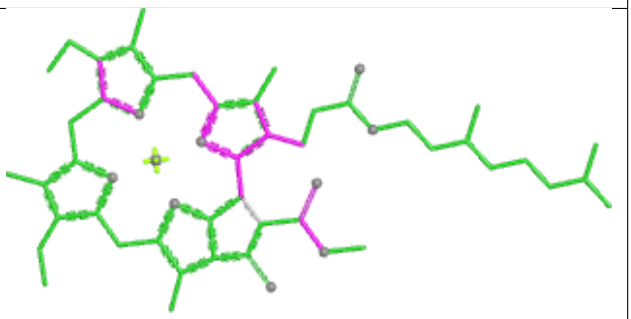
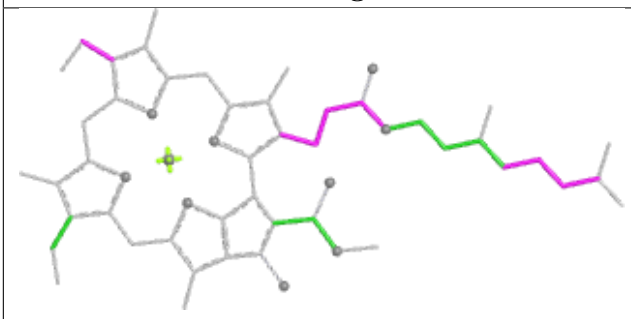
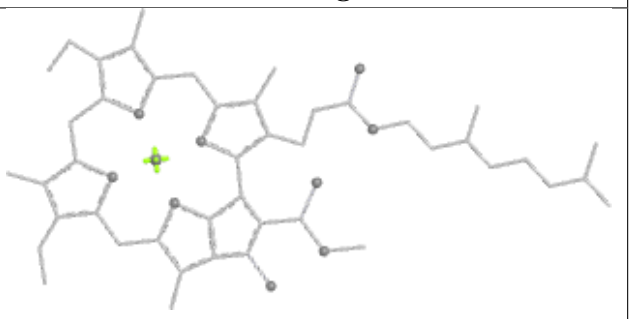


Torsions

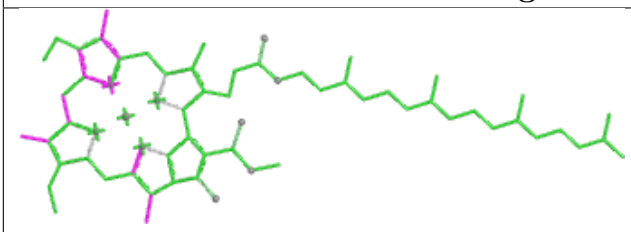


Rings

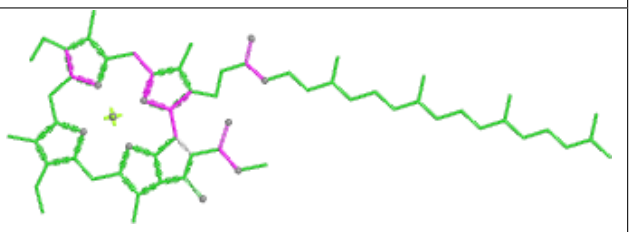
Ligand CLA b 1023	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA H 1111	
 Bond lengths	 Bond angles
 Torsions	 Rings

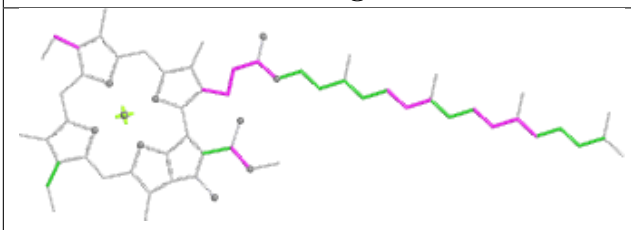
Ligand CLA b 1203



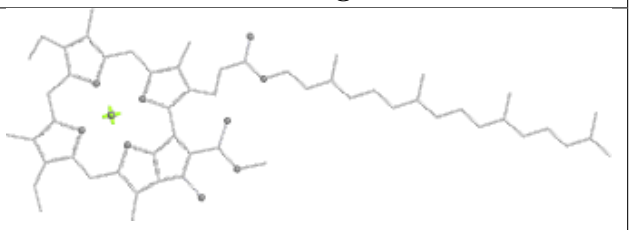
Bond lengths



Bond angles



Torsions

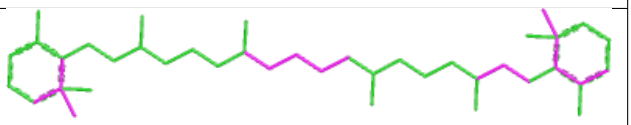


Rings

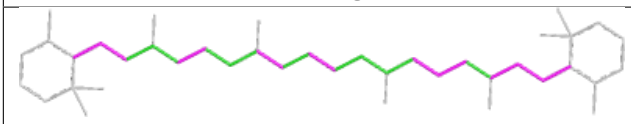
Ligand BCR x 602



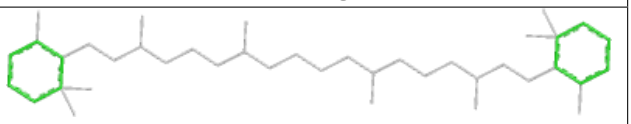
Bond lengths



Bond angles

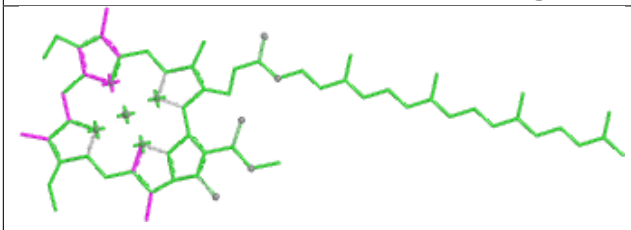


Torsions

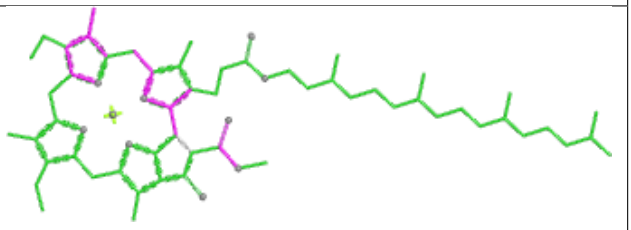


Rings

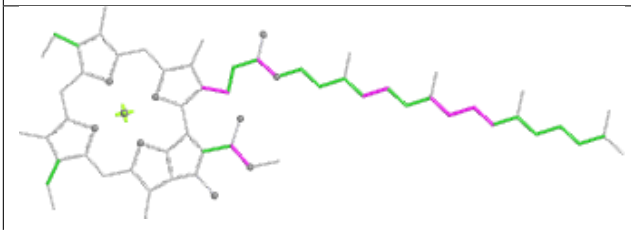
Ligand CLA t 511



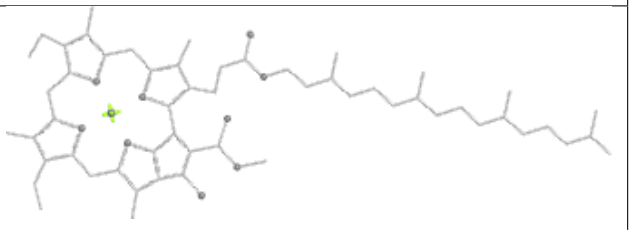
Bond lengths



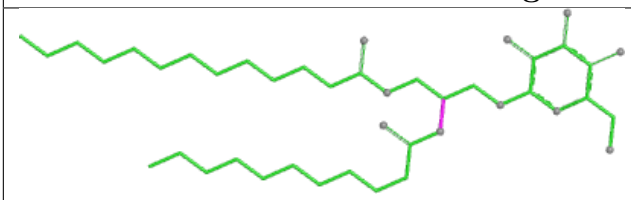
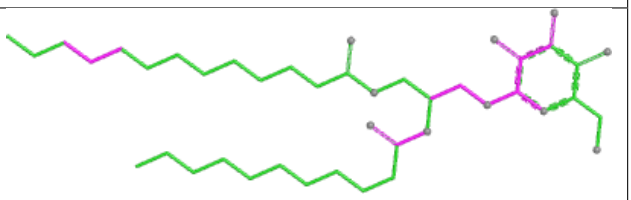
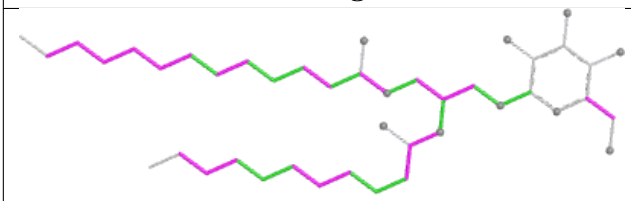
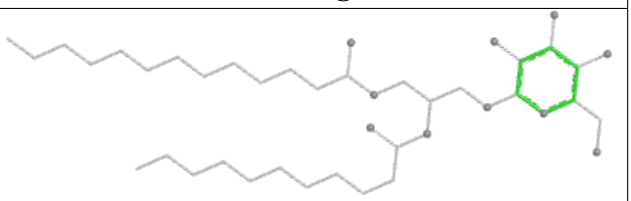
Bond angles

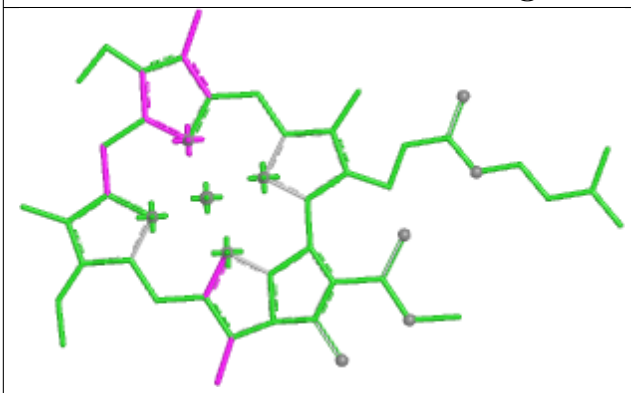
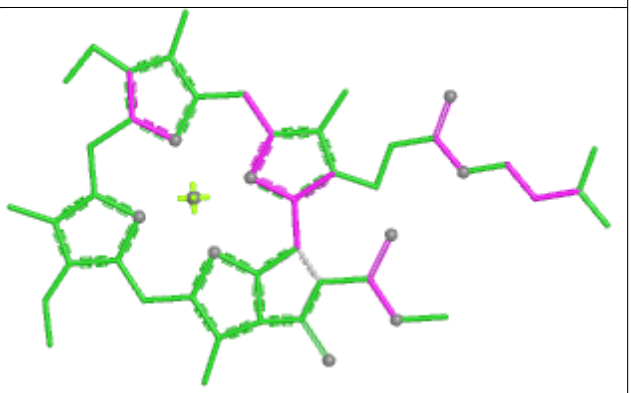
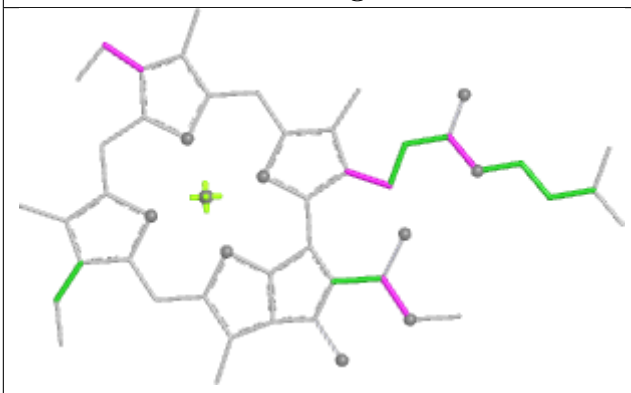
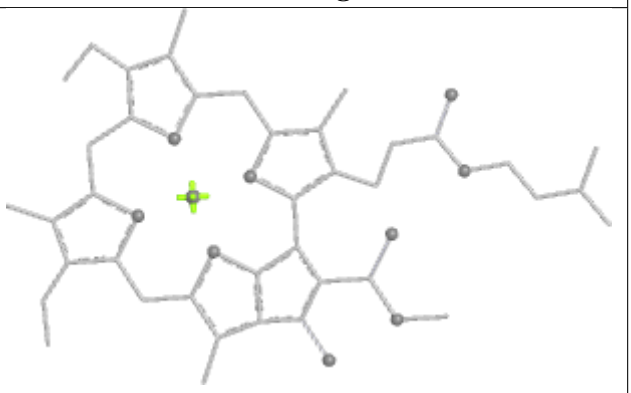


Torsions

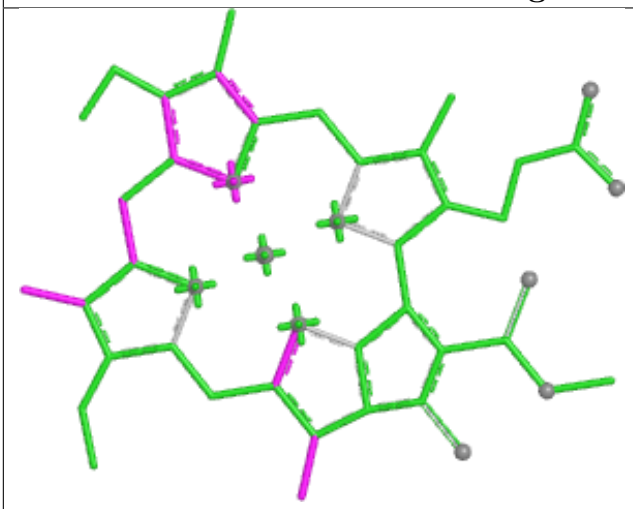


Rings

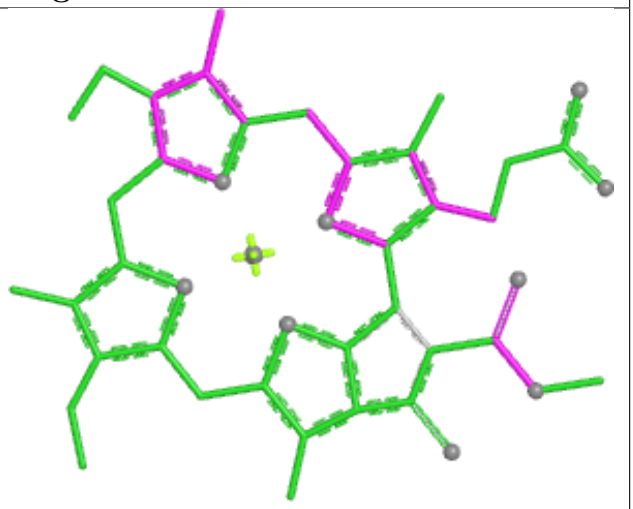
Ligand LMG b 848	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA W 513	
 Bond lengths	 Bond angles
 Torsions	 Rings

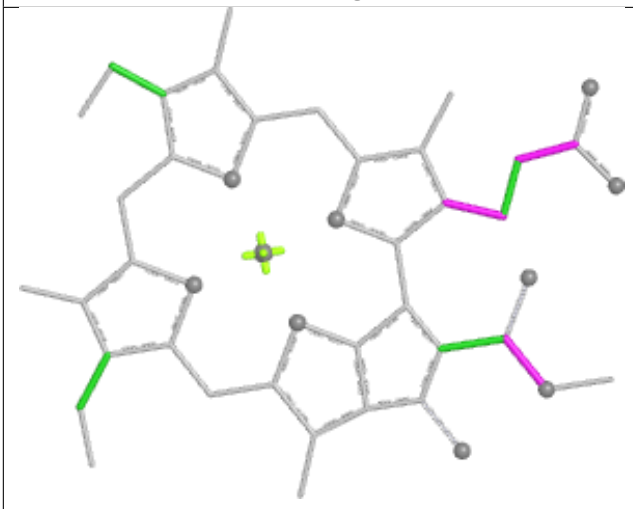
Ligand CLA g 512



Bond lengths



Bond angles

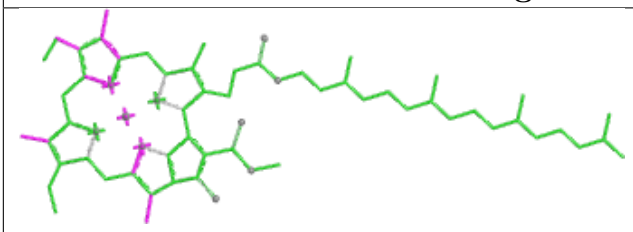


Torsions

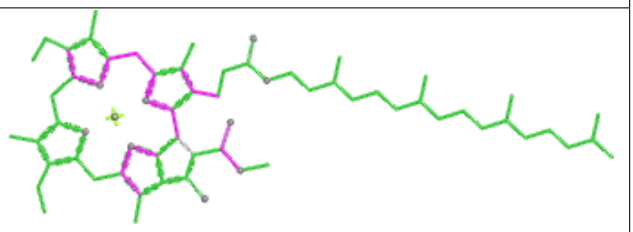


Rings

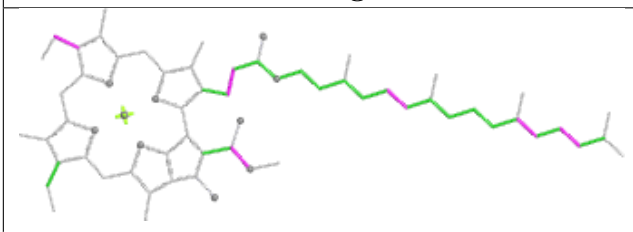
Ligand CLA A 1022



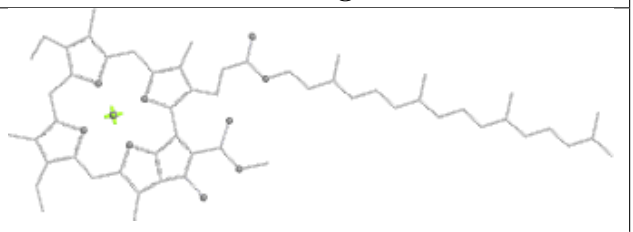
Bond lengths



Bond angles

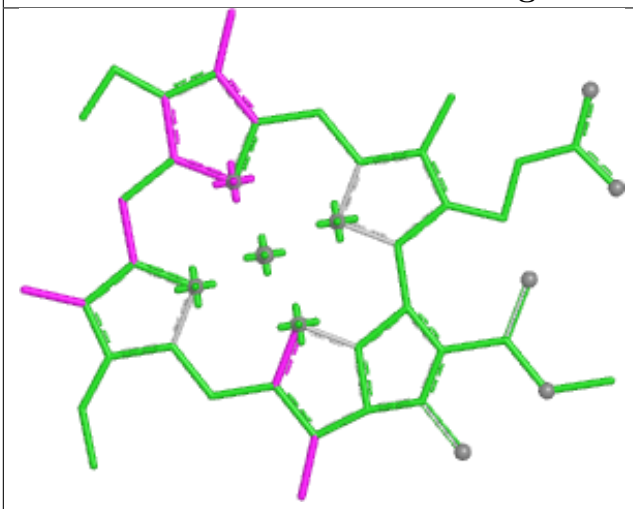


Torsions

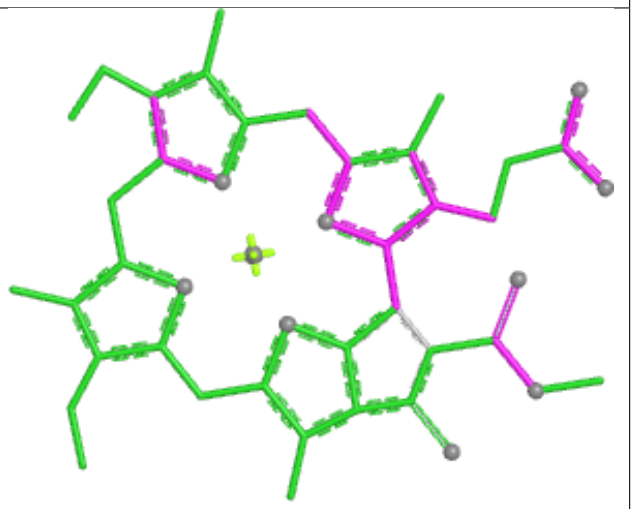


Rings

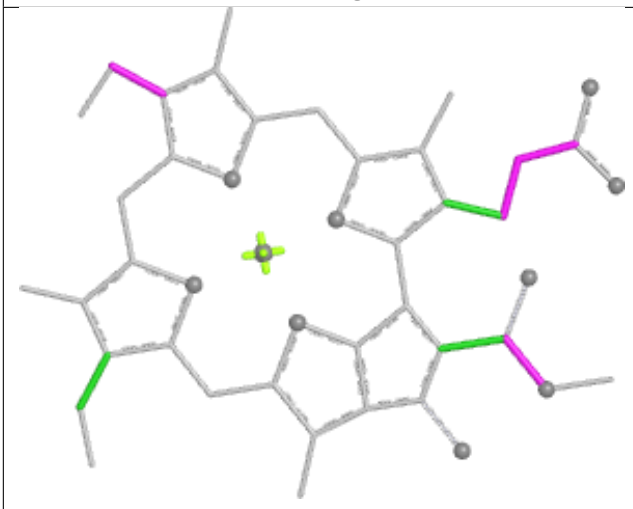
Ligand CLA b 1212



Bond lengths



Bond angles

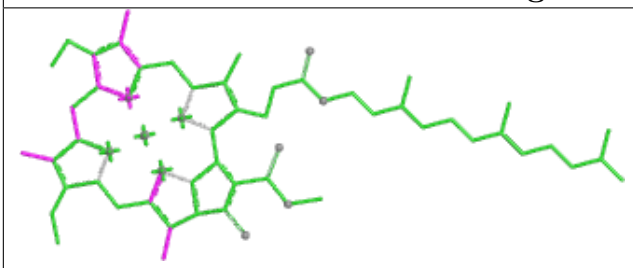


Torsions

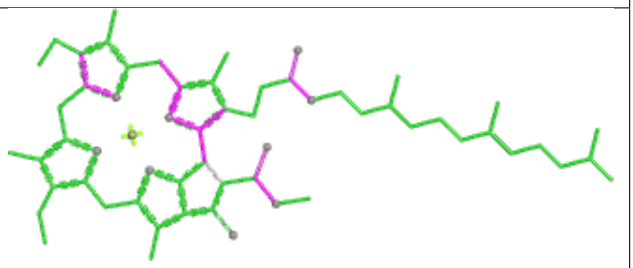


Rings

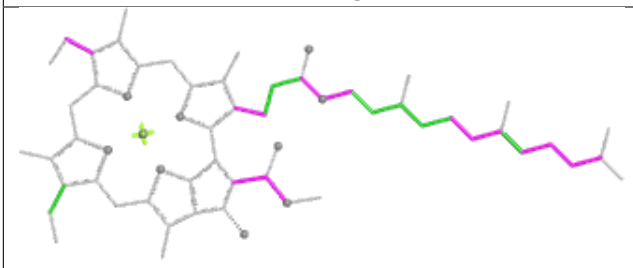
Ligand CLA u 504



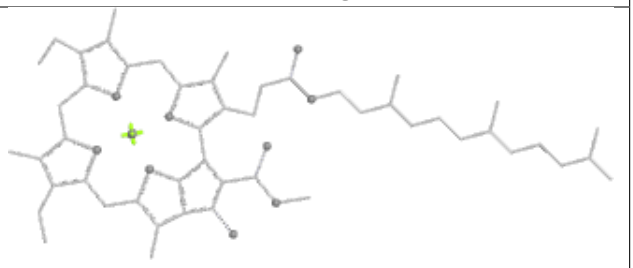
Bond lengths



Bond angles

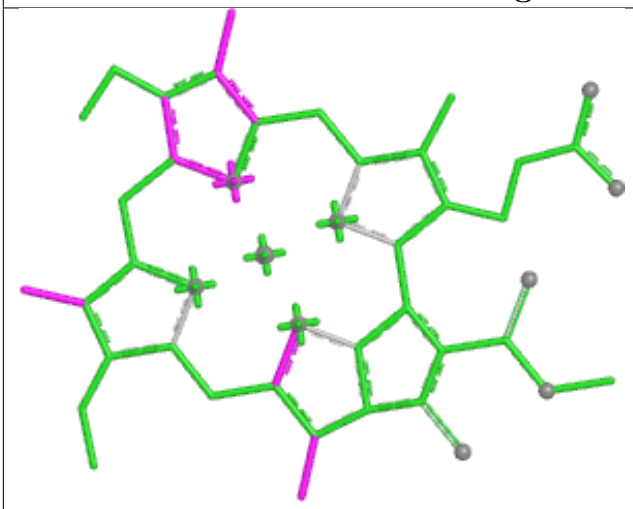


Torsions

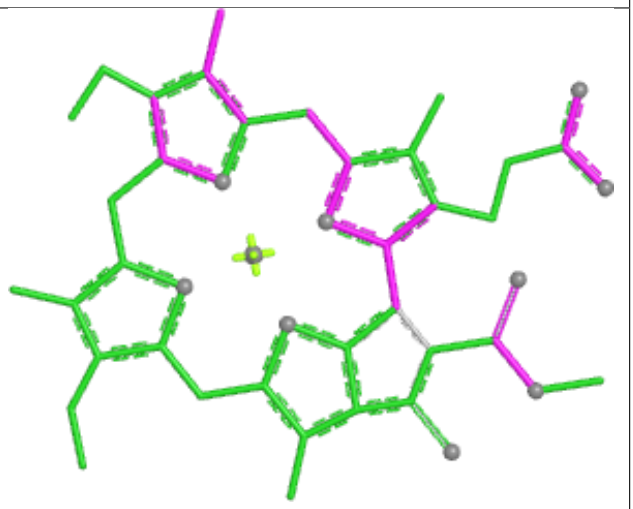


Rings

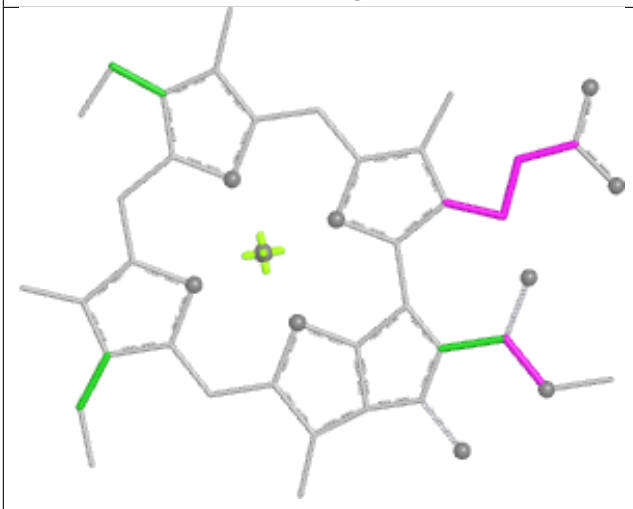
Ligand CLA A 1108



Bond lengths



Bond angles

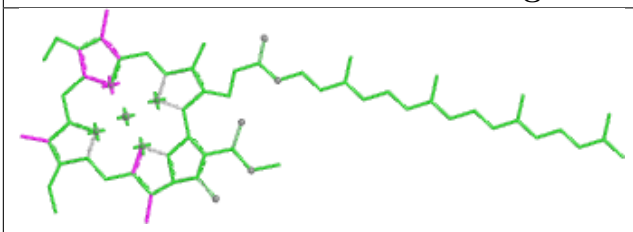


Torsions

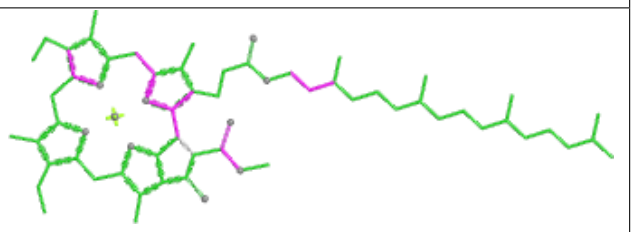


Rings

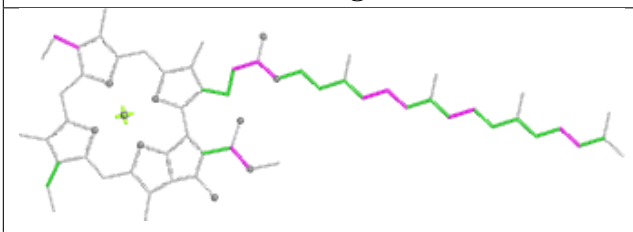
Ligand CLA Y 507



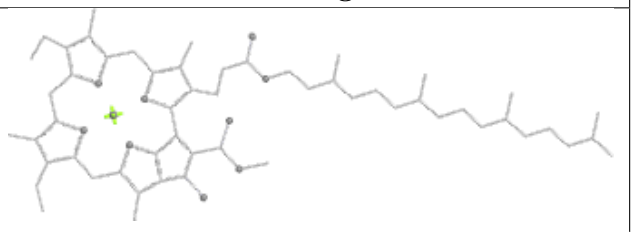
Bond lengths



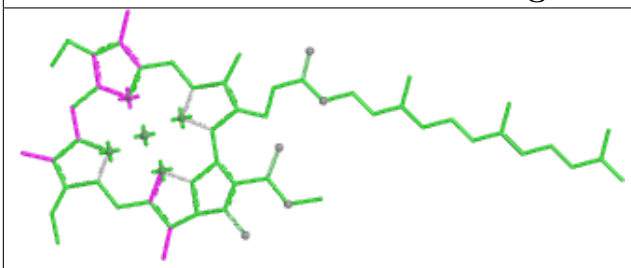
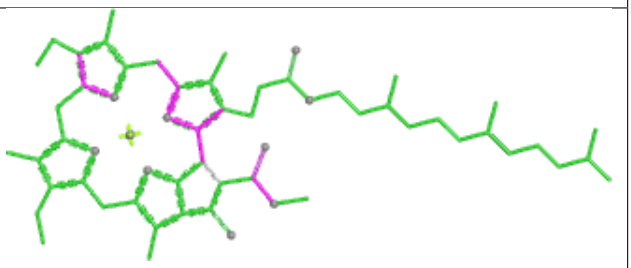
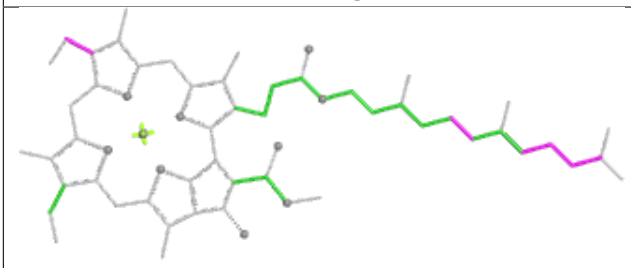
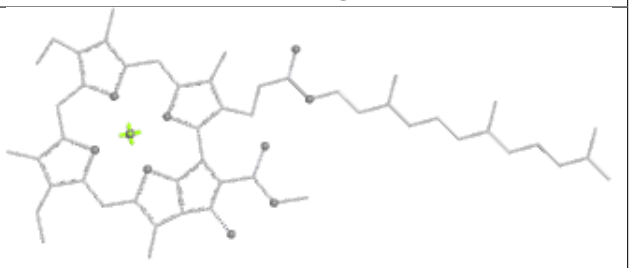
Bond angles

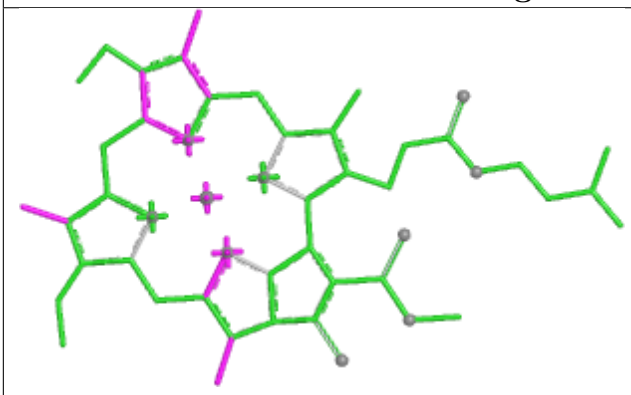
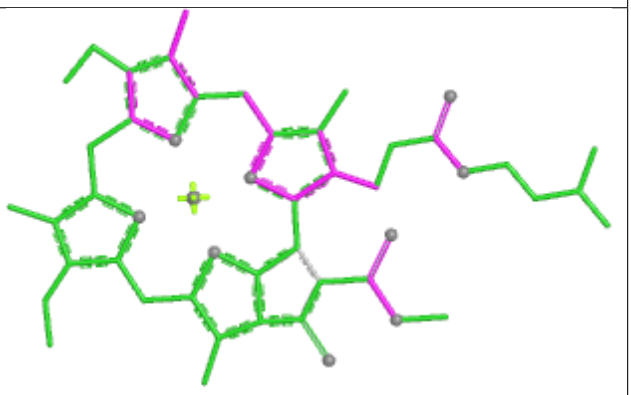
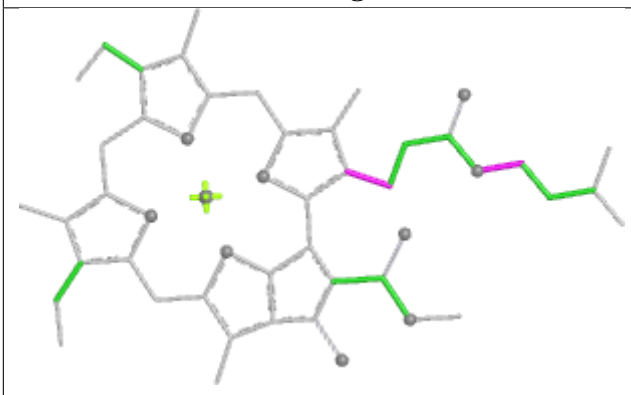
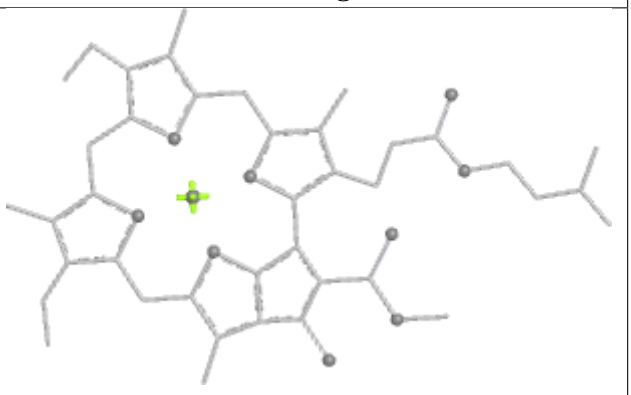


Torsions

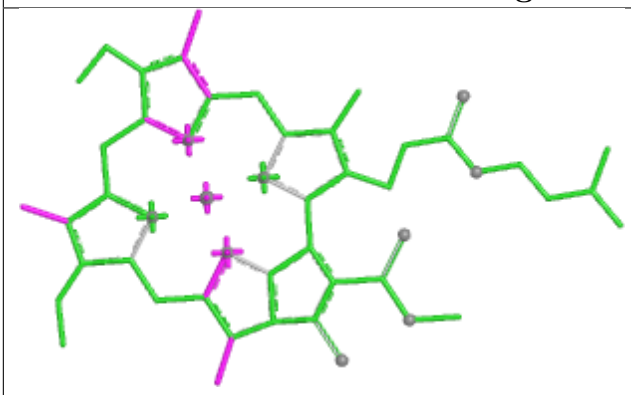


Rings

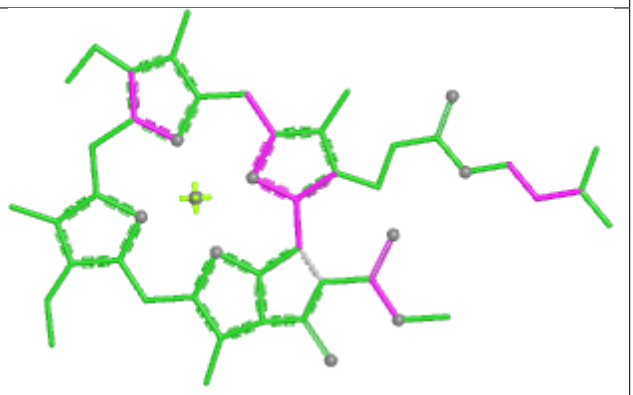
Ligand CLA o 504	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA H 1107	
 Bond lengths	 Bond angles
 Torsions	 Rings

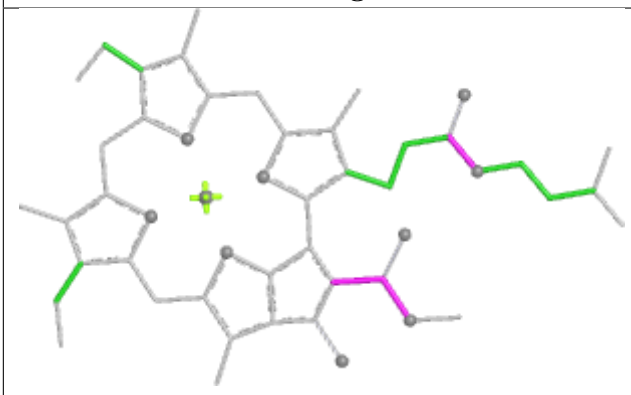
Ligand CLA B 1234



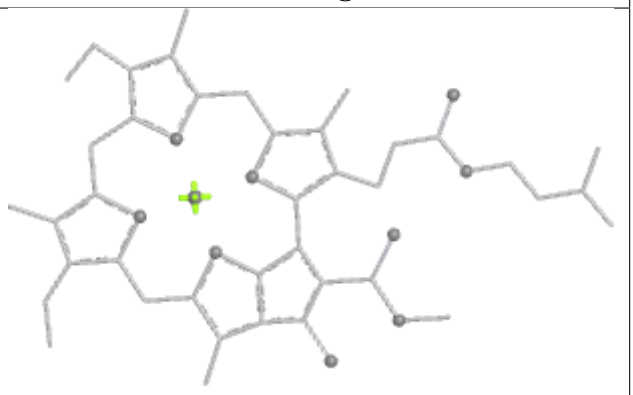
Bond lengths



Bond angles

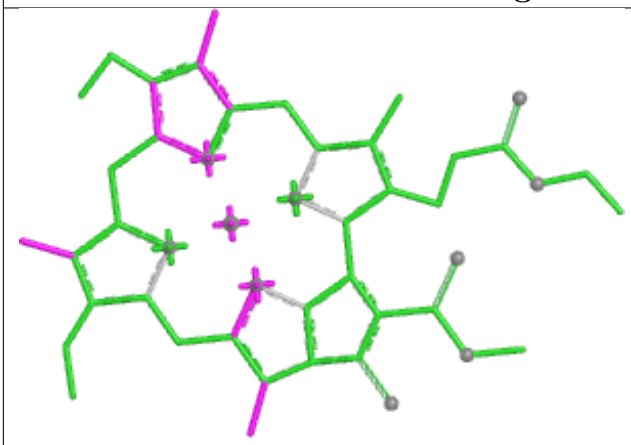


Torsions

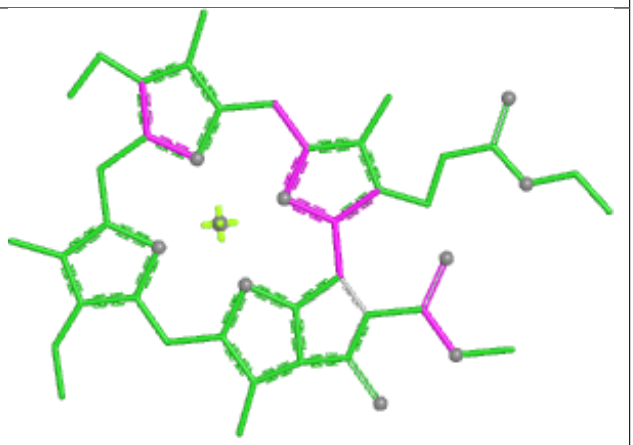


Rings

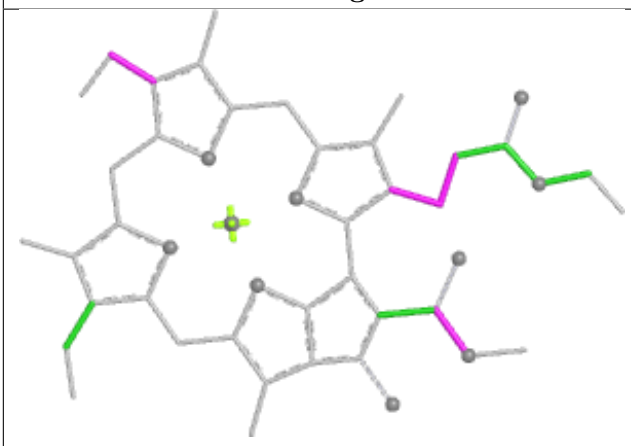
Ligand CLA G 1216



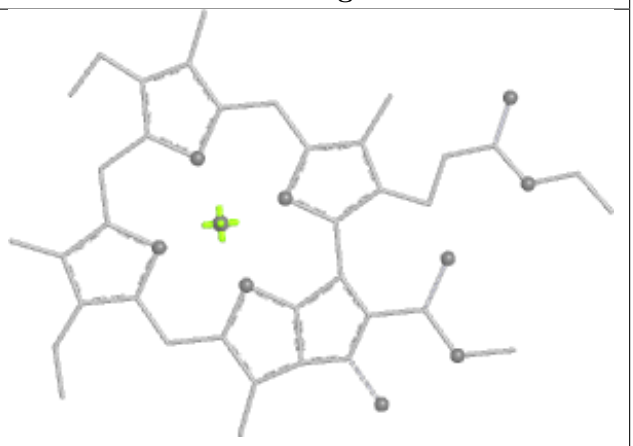
Bond lengths



Bond angles

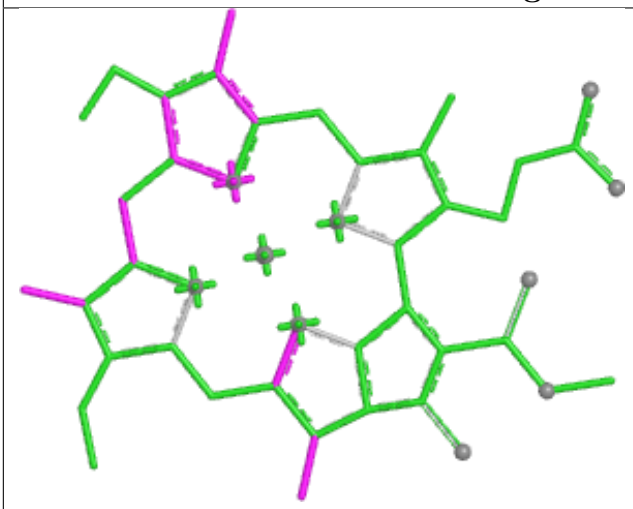


Torsions

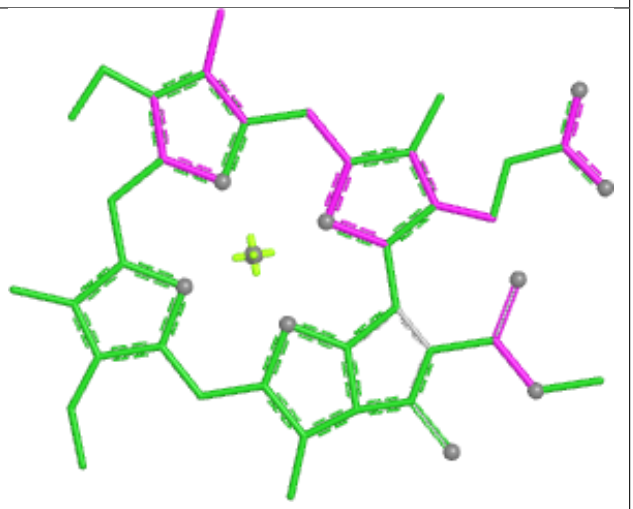


Rings

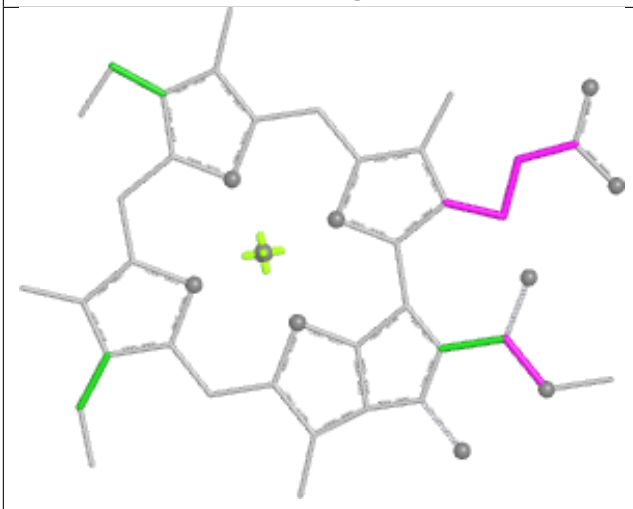
Ligand CLA X 512



Bond lengths



Bond angles

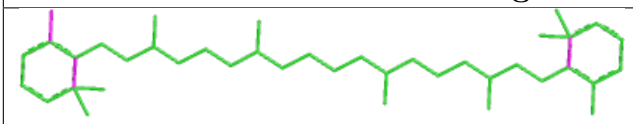


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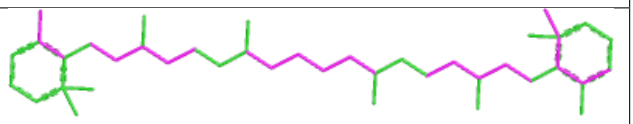


Rings

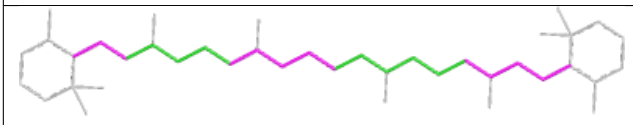
Ligand BCR G 4010



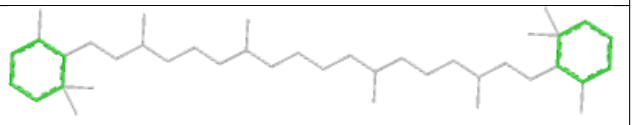
Bond lengths



Bond angles

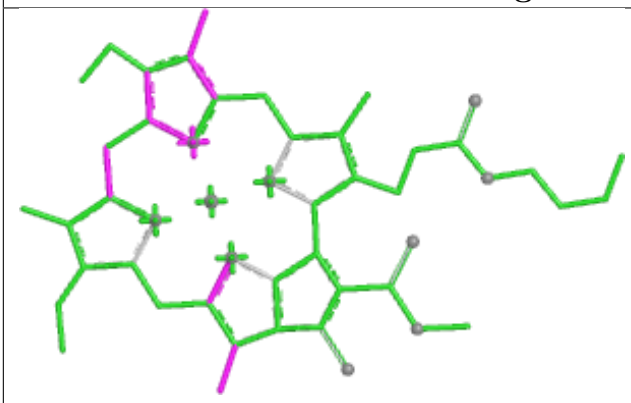


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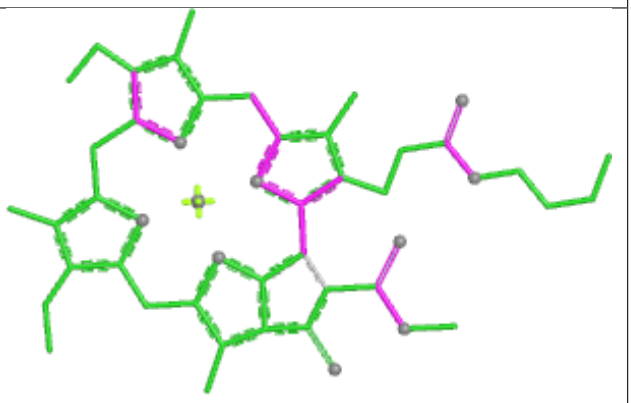


Rings

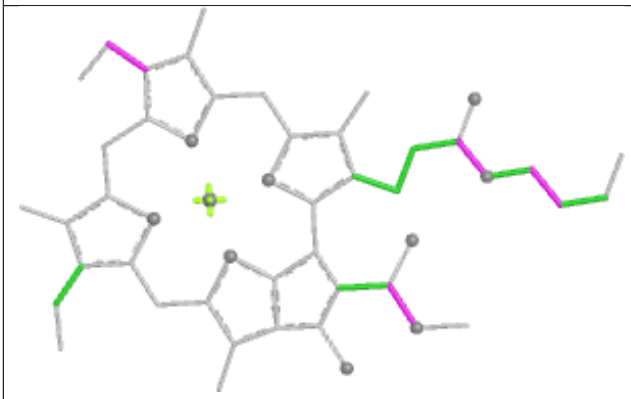
Ligand CLA A 1114



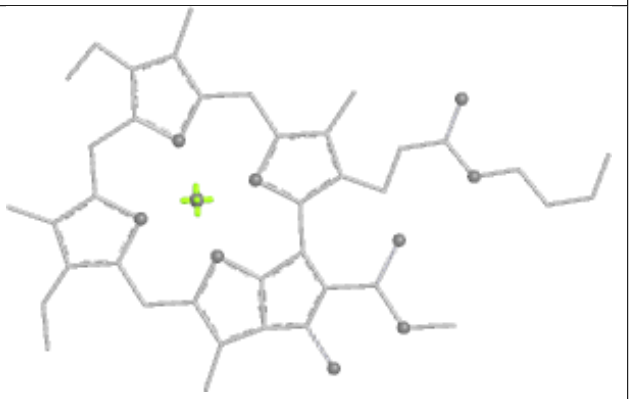
Bond lengths



Bond angles



Torsions

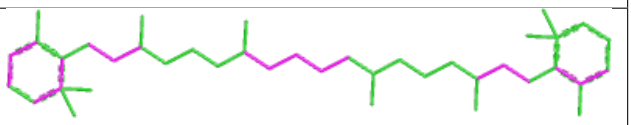


Rings

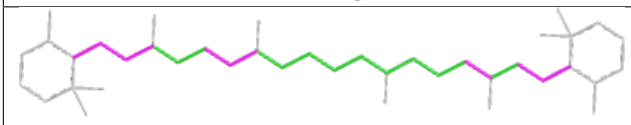
Ligand BCR u 603



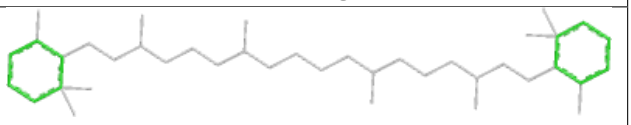
Bond lengths



Bond angles

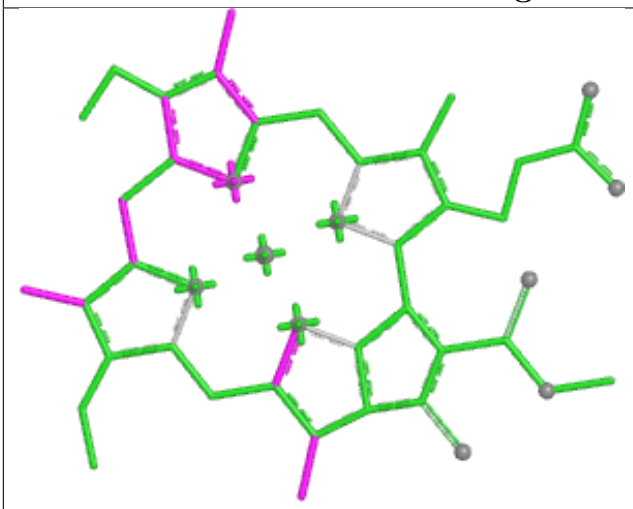


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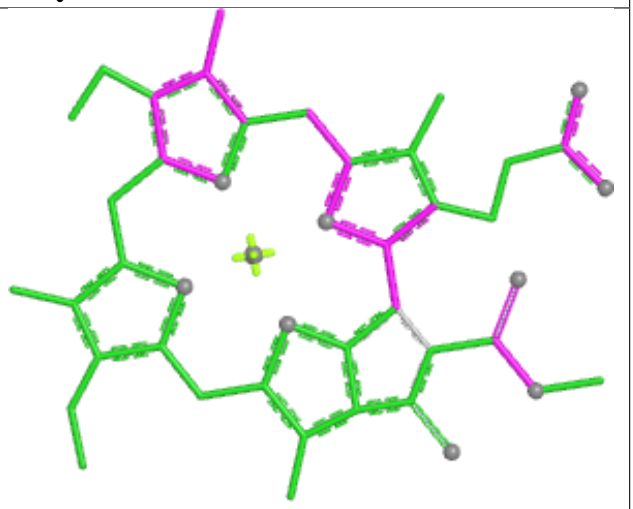


Rings

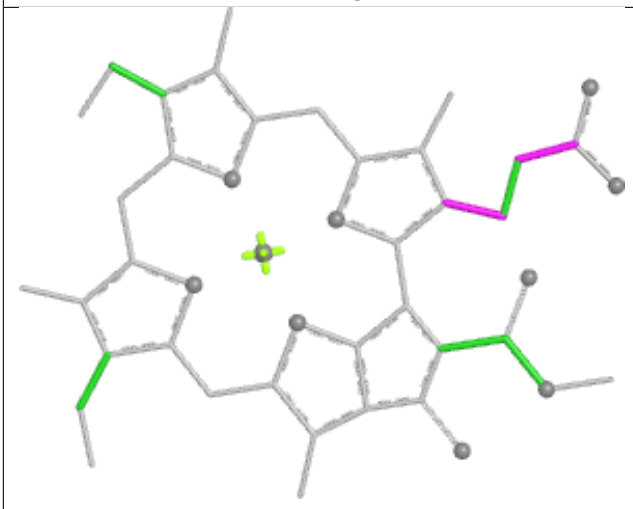
Ligand CLA Q 1301



Bond lengths



Bond angles

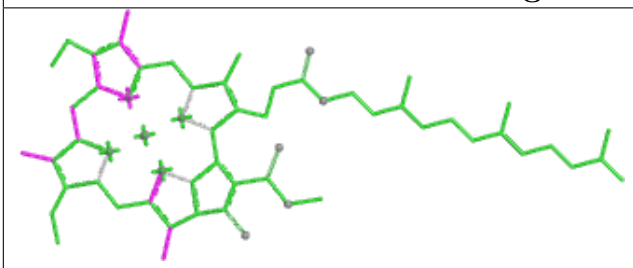


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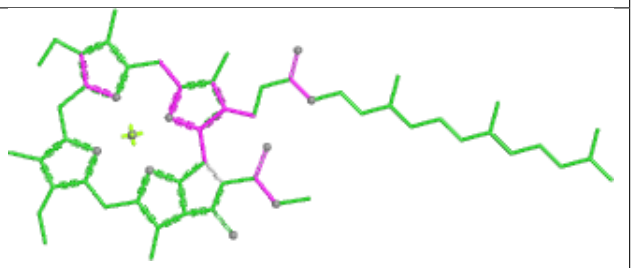


Rings

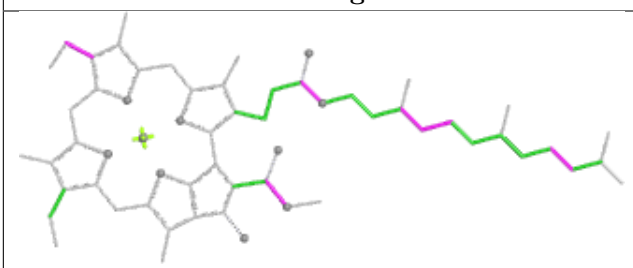
Ligand CLA X 509



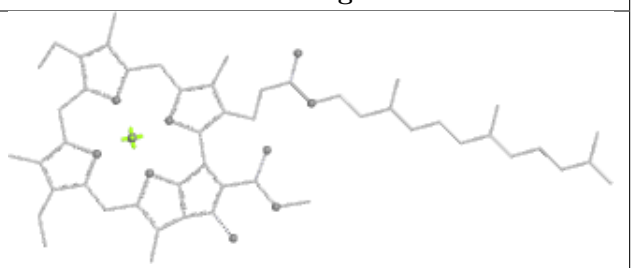
Bond lengths



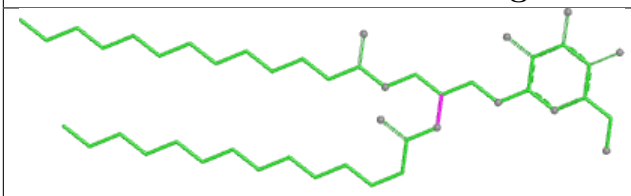
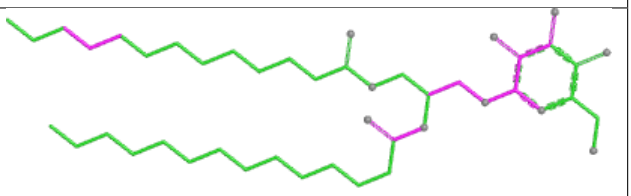
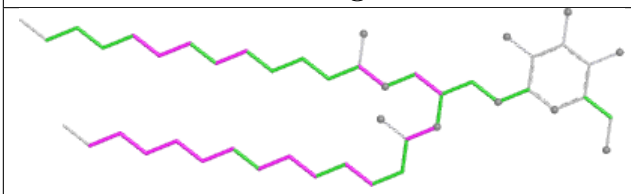
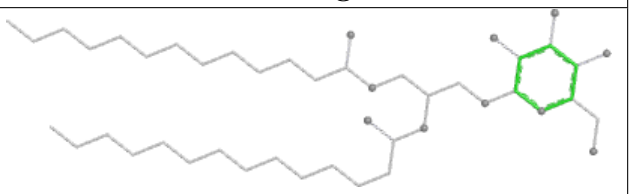
Bond angles

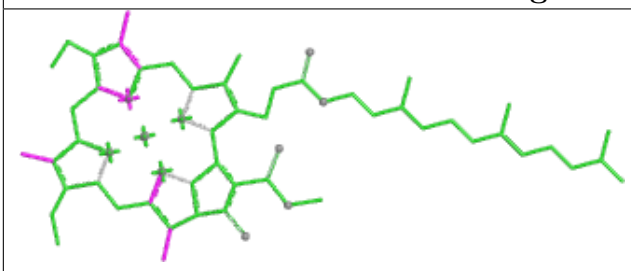
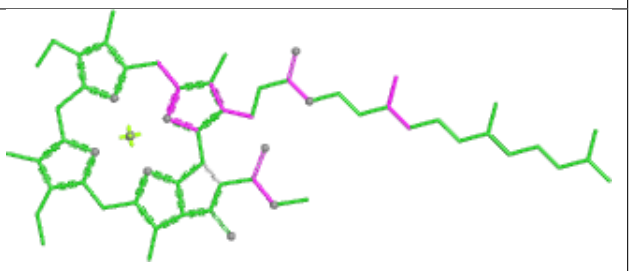
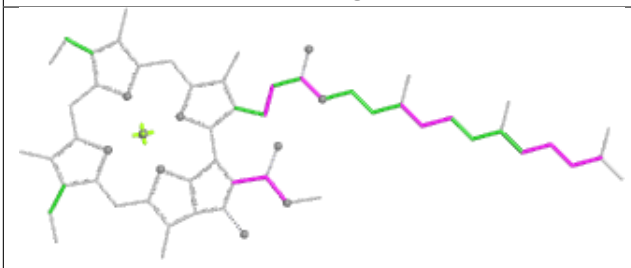
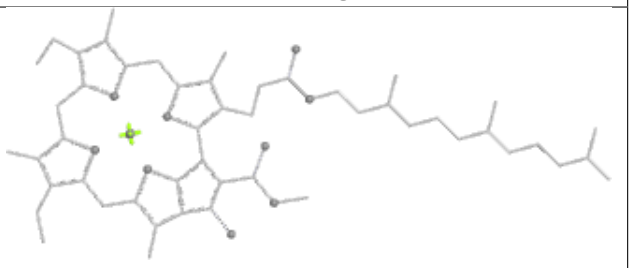


Torsions

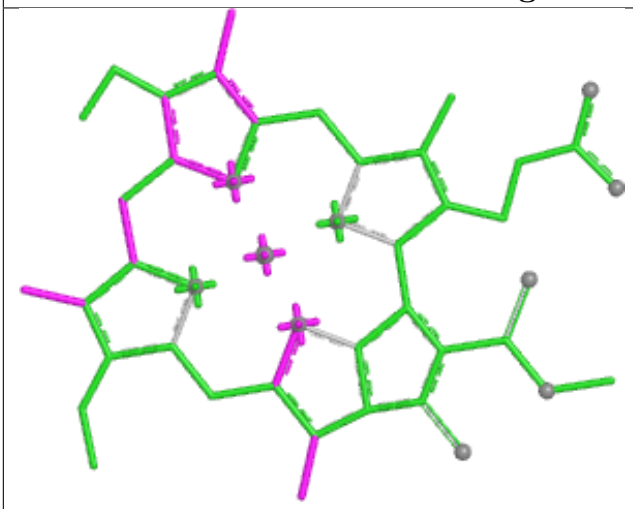


Rings

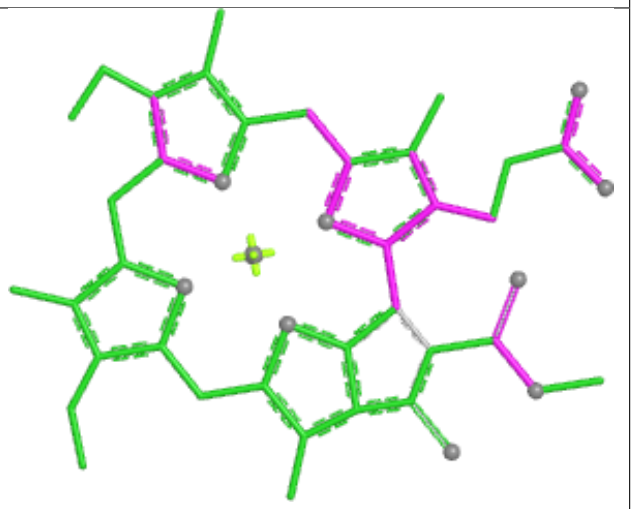
Ligand LMG A 4101	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA r 506	
 Bond lengths	 Bond angles
 Torsions	 Rings

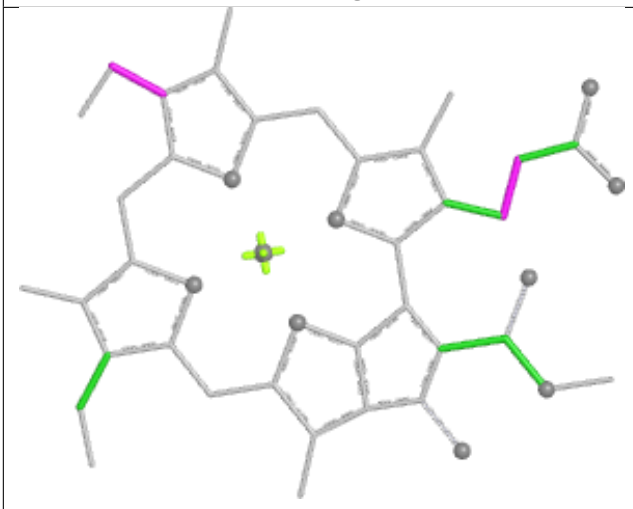
Ligand CLA k 1401



Bond lengths



Bond angles

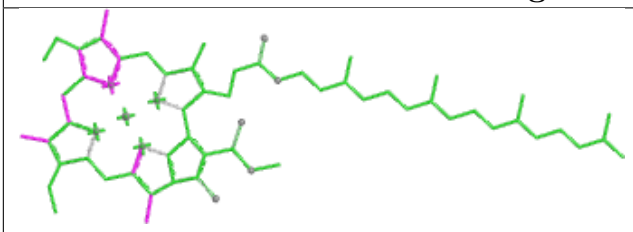


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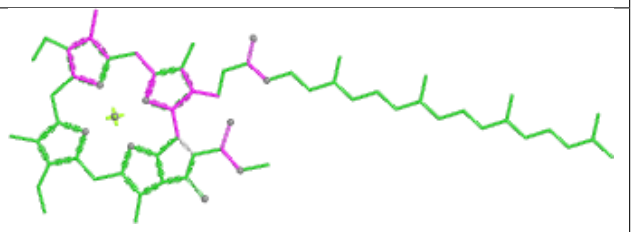


Rings

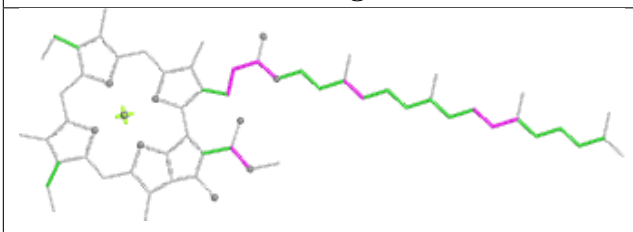
Ligand CLA o 511



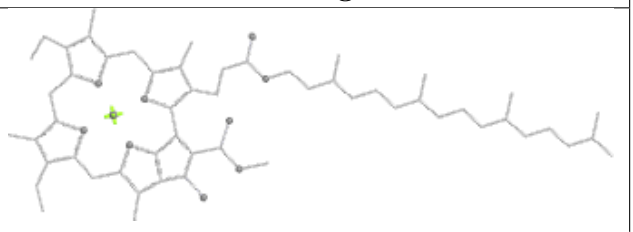
Bond lengths



Bond angles

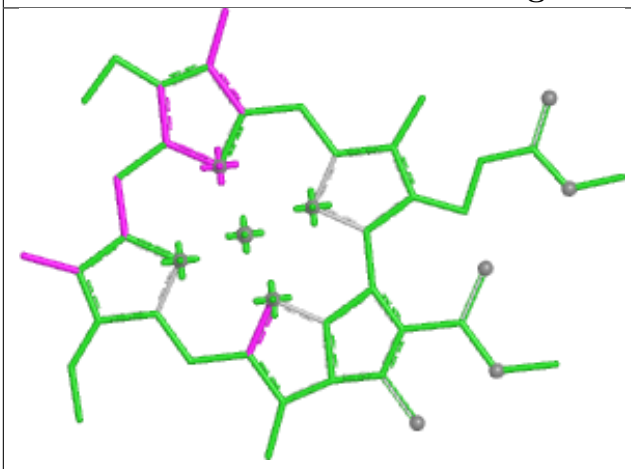


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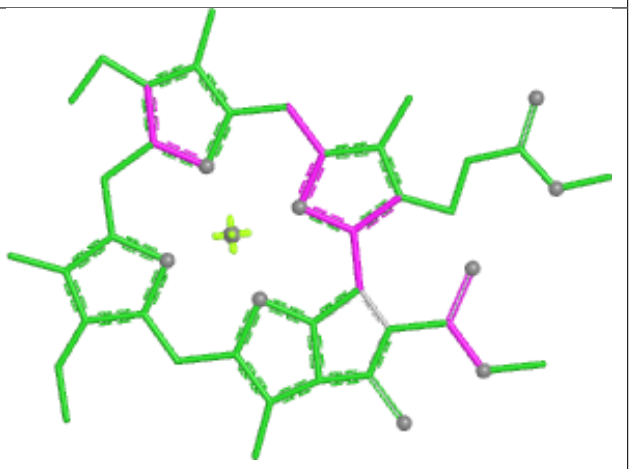


Rings

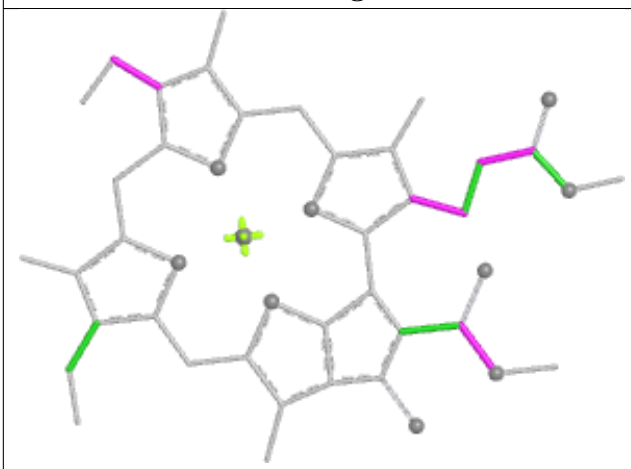
Ligand CLA v 516



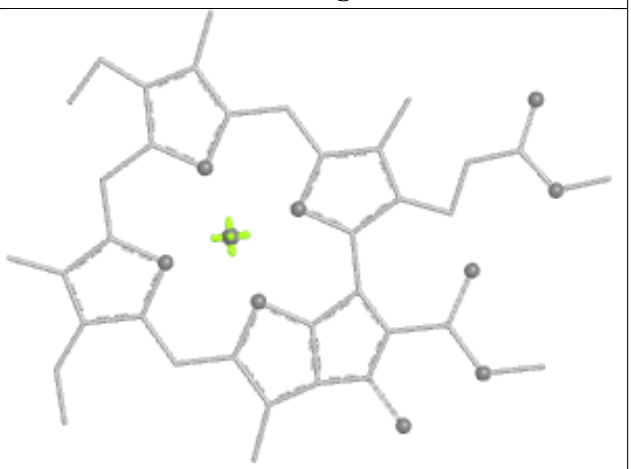
Bond lengths



Bond angles

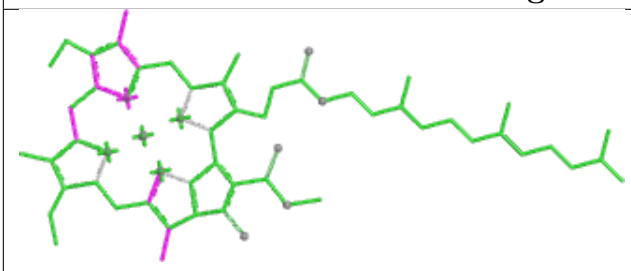


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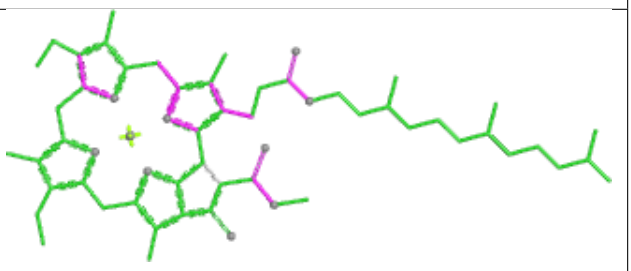


Rings

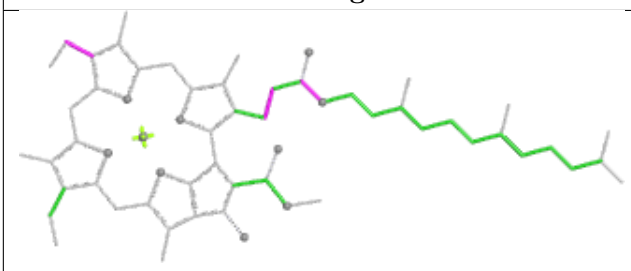
Ligand CLA h 515



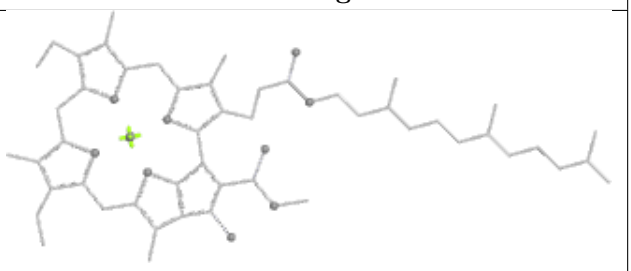
Bond lengths



Bond angles

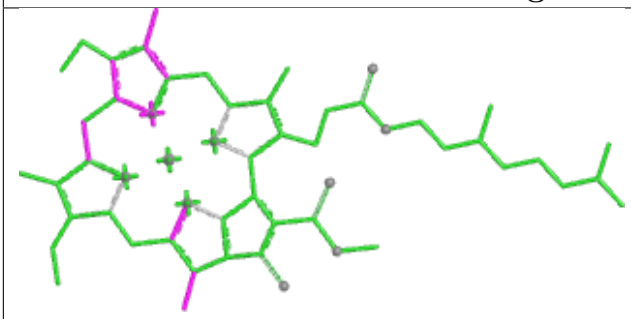


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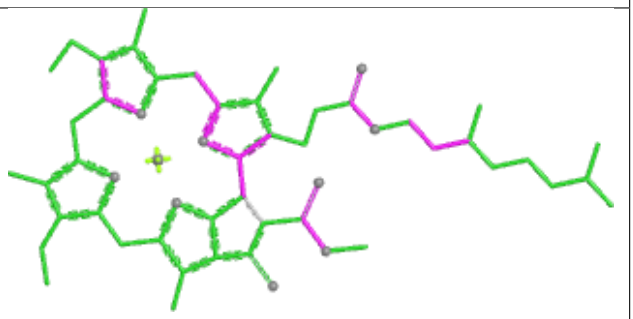


Rings

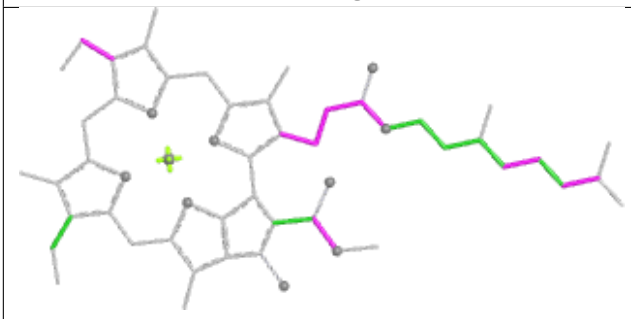
Ligand CLA n 508



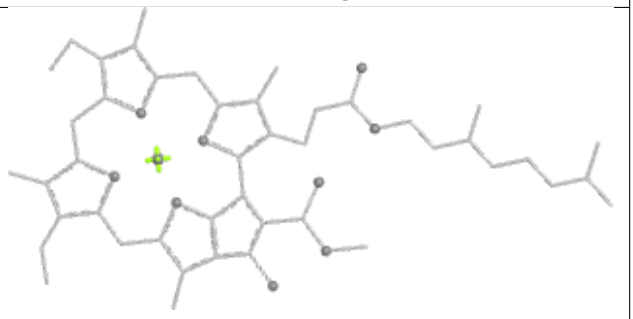
Bond lengths



Bond angles

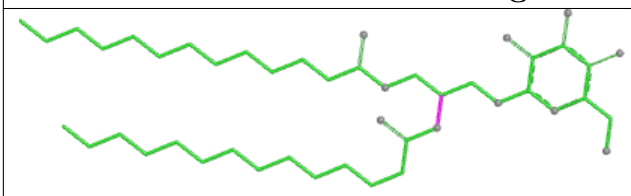


Torsions

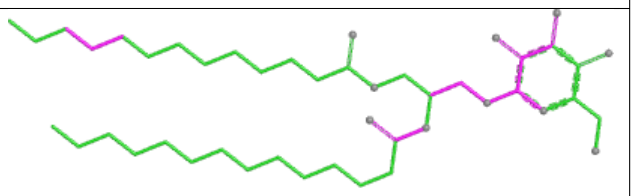


Rings

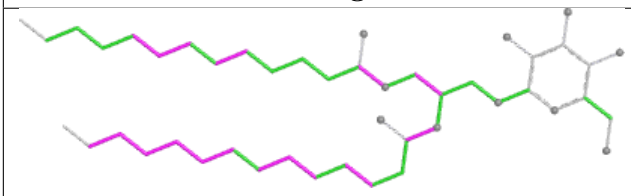
Ligand LMG H 4101



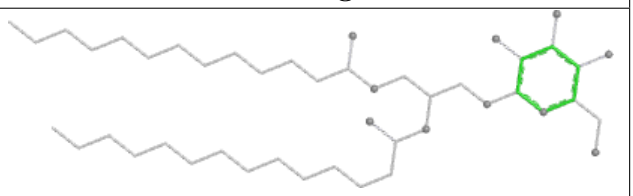
Bond lengths



Bond angles

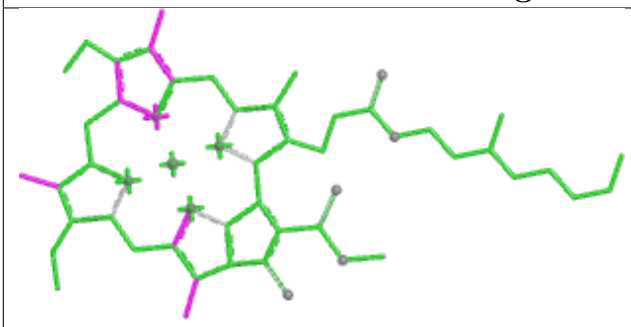


Torsions

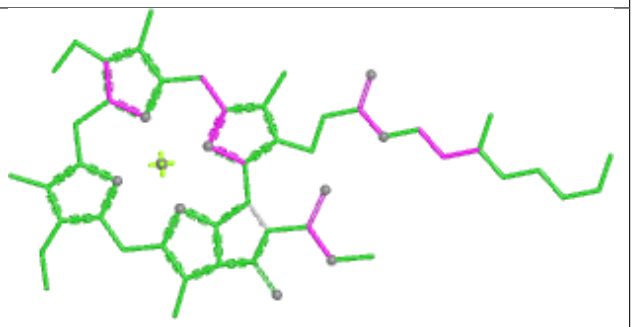


Rings

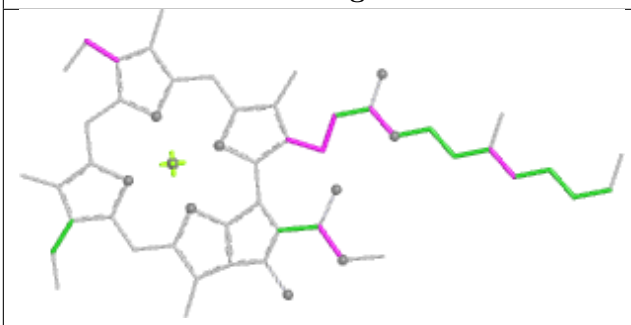
Ligand CLA A 1133



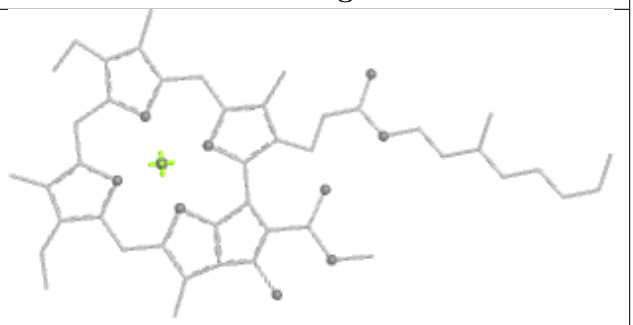
Bond lengths



Bond angles

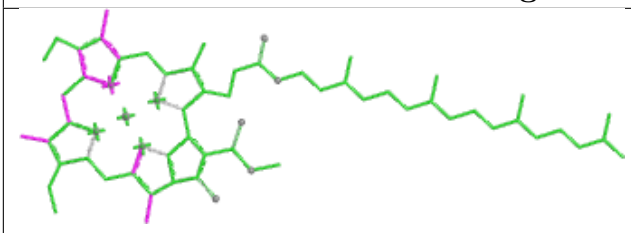


Torsions

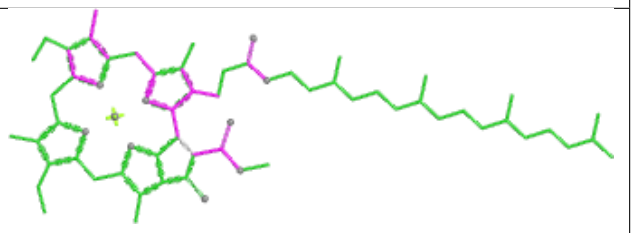


Rings

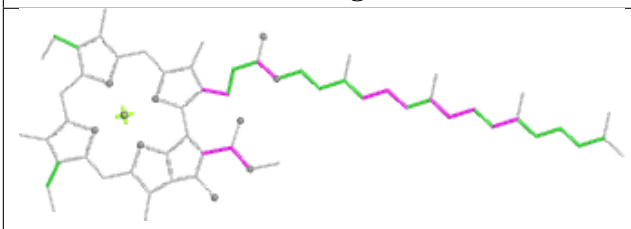
Ligand CLA a 1101



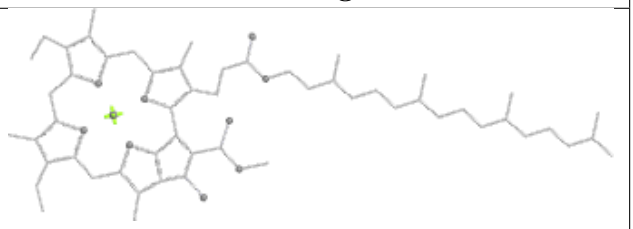
Bond lengths



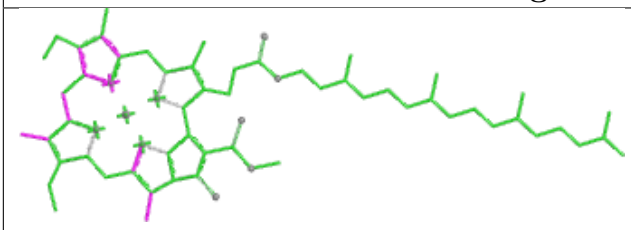
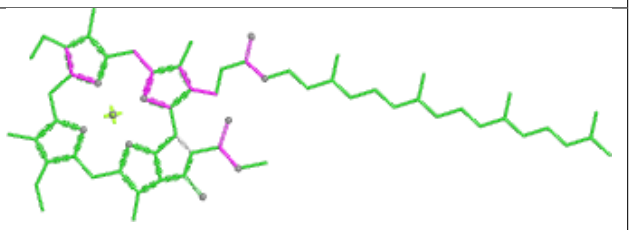
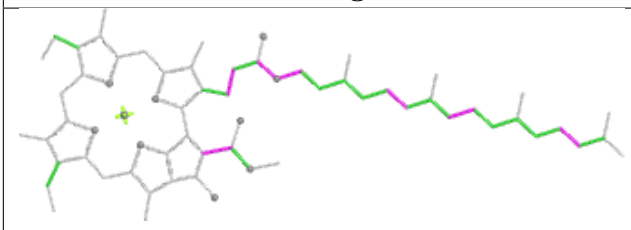
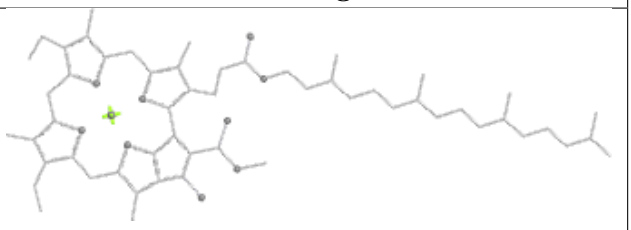
Bond angles

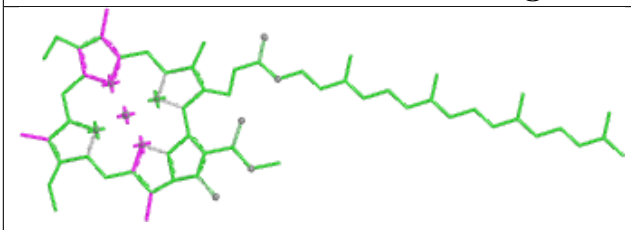
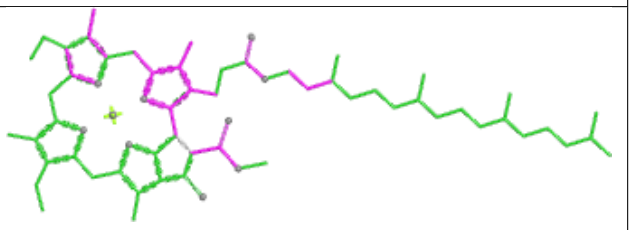
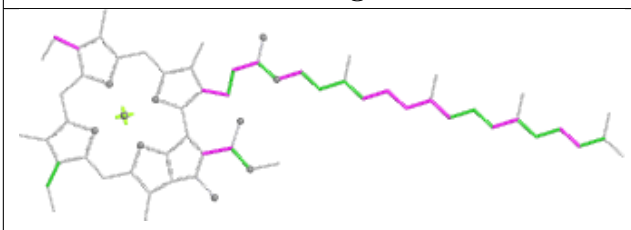
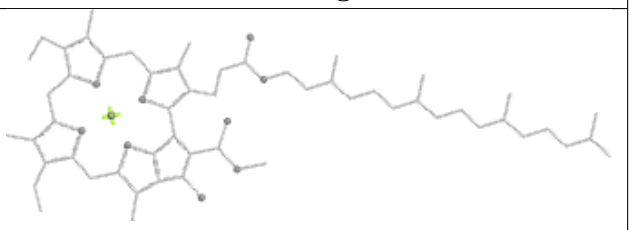


Torsions

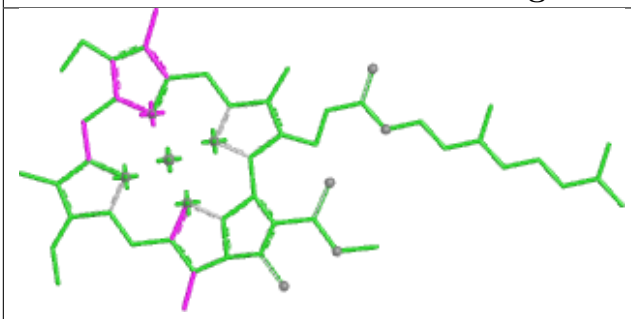


Rings

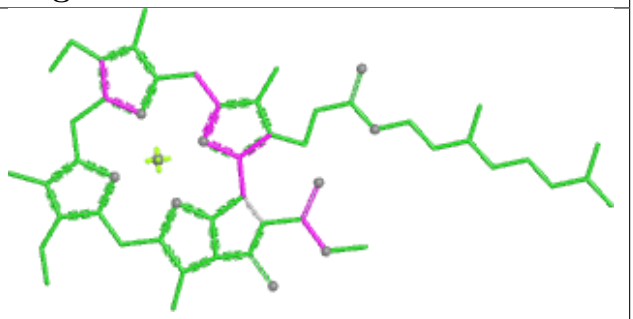
Ligand CLA s 515	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CL0 a 1011	
	
Bond lengths	Bond angles
	
Torsions	Rings

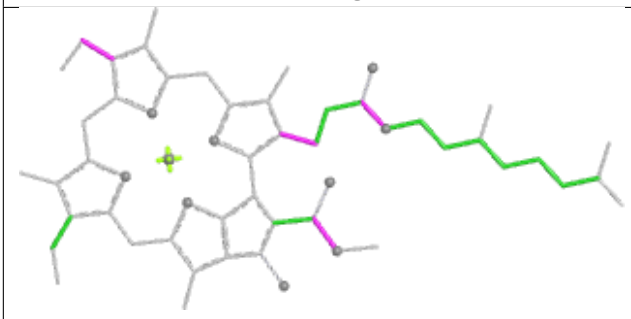
Ligand CLA g 508



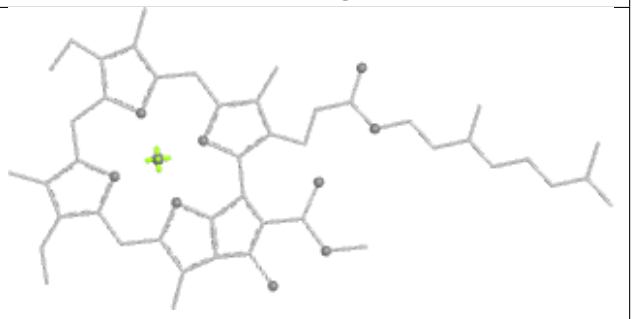
Bond lengths



Bond angles

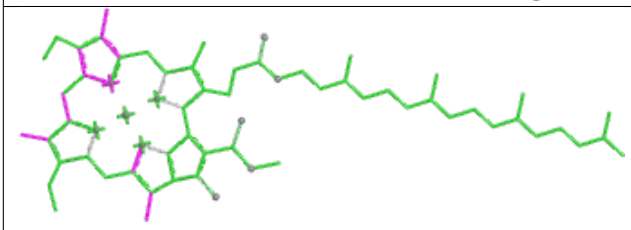


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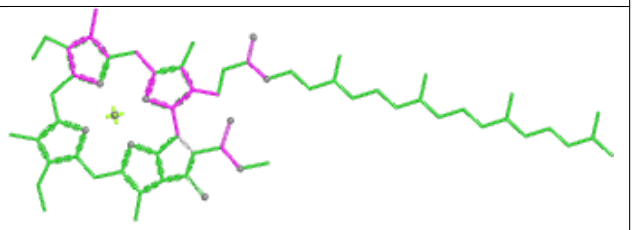


Rings

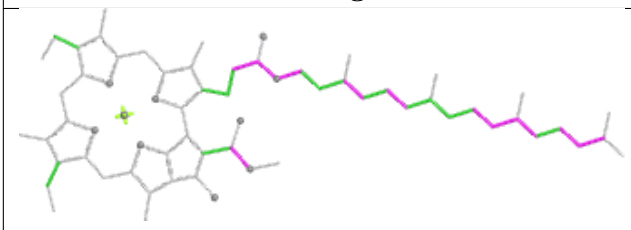
Ligand CLA v 511



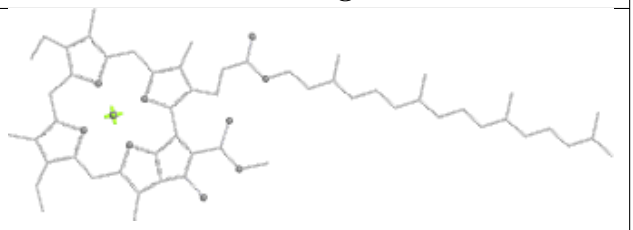
Bond lengths



Bond angles

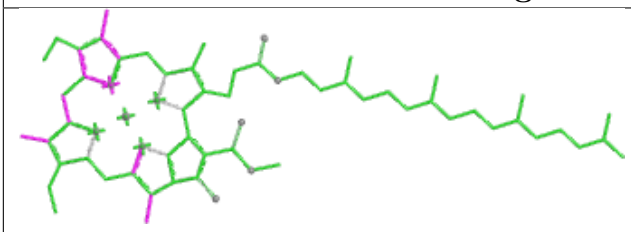


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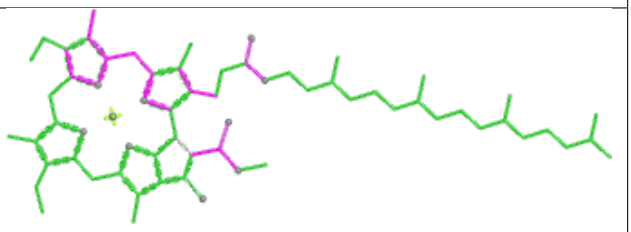


Rings

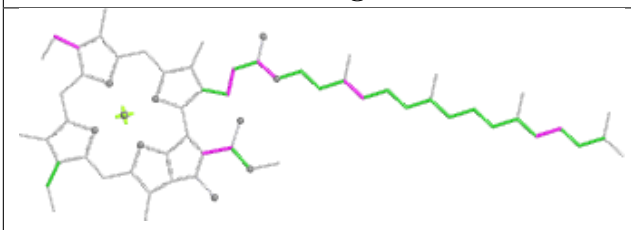
Ligand CLA A 1136



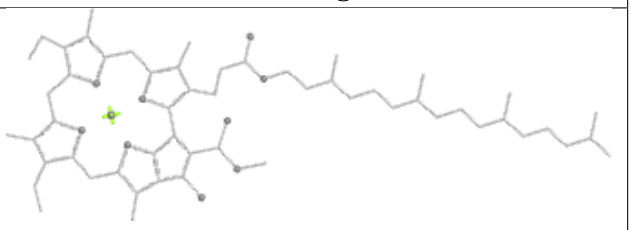
Bond lengths



Bond angles

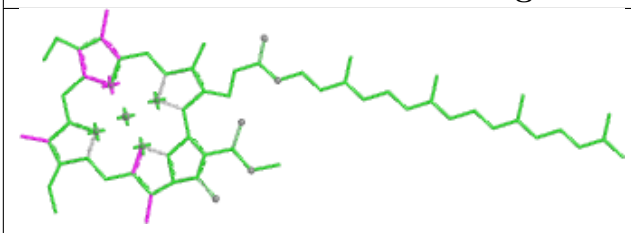


Torsions

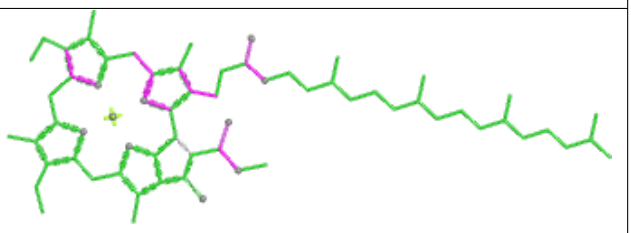


Rings

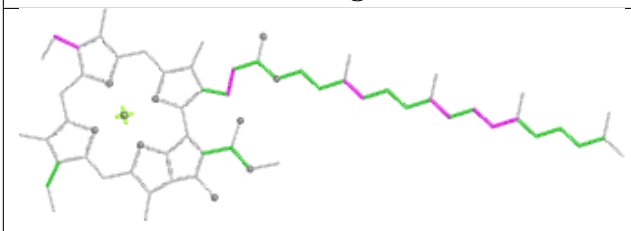
Ligand CLA B 1204



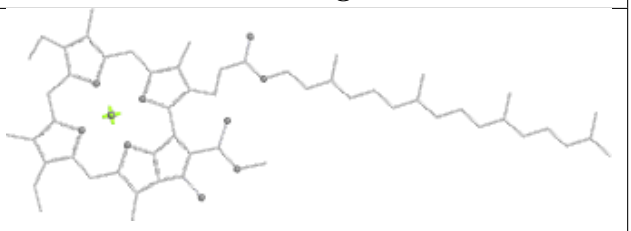
Bond lengths



Bond angles

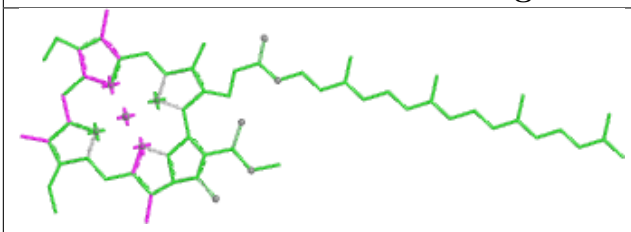


Torsions

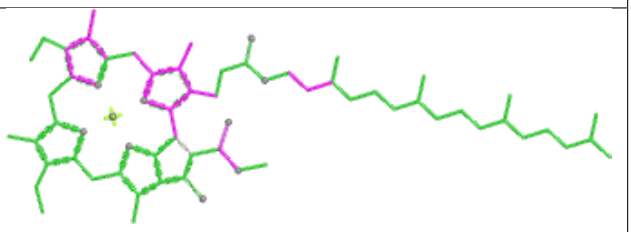


Rings

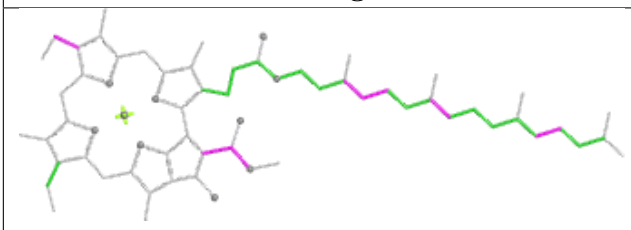
Ligand CLA A 1131



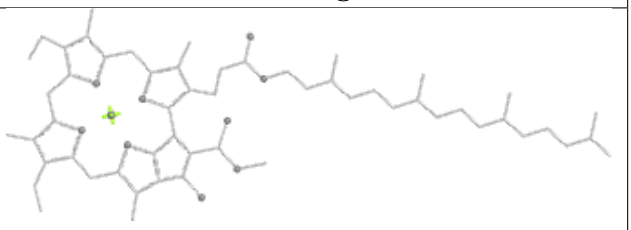
Bond lengths



Bond angles

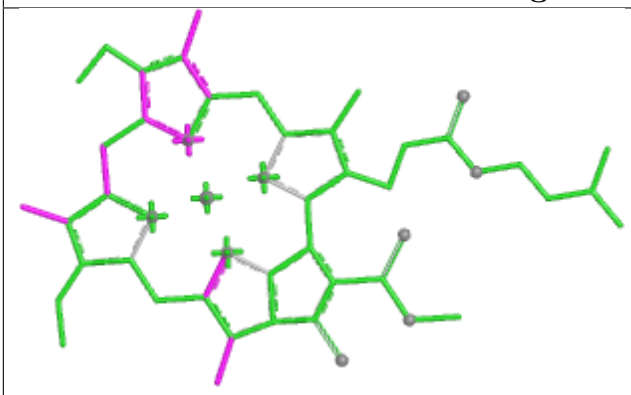


Torsions

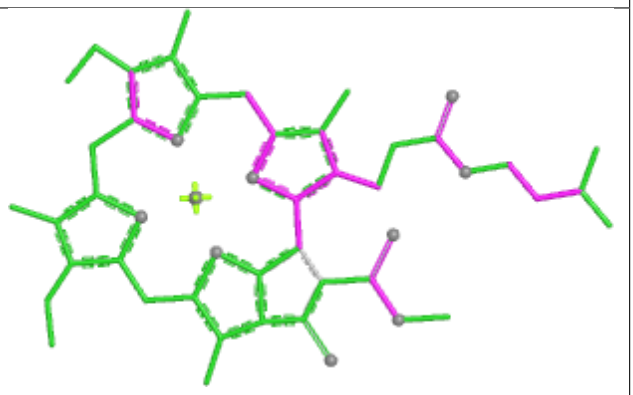


Rings

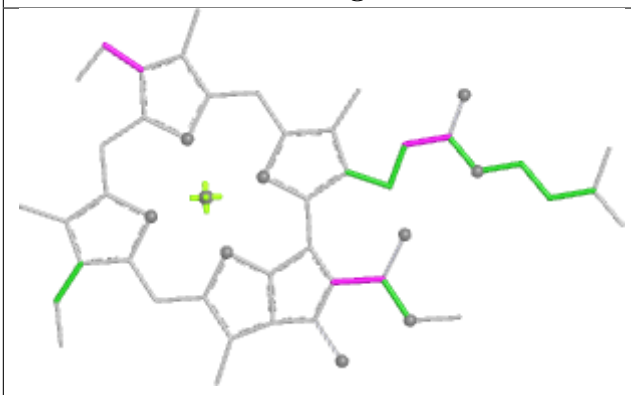
Ligand CLA s 514



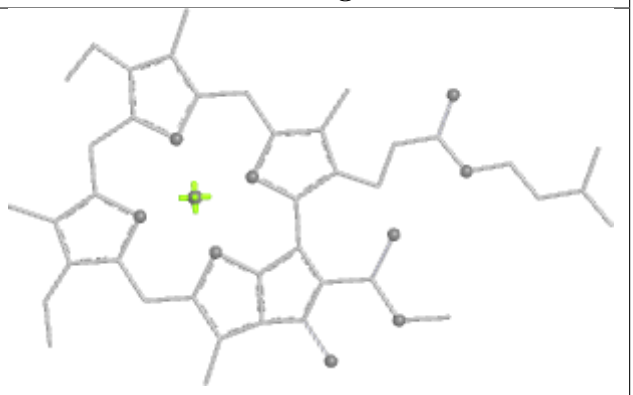
Bond lengths



Bond angles

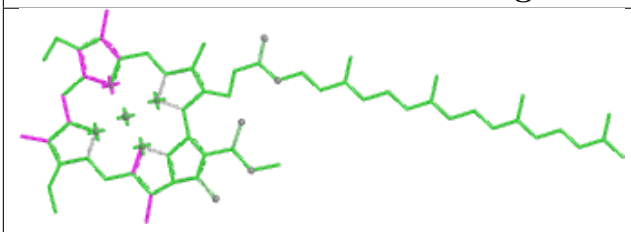


Torsions

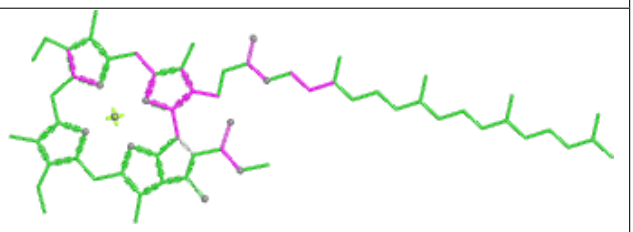


Rings

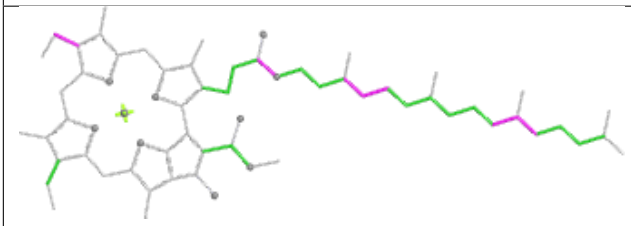
Ligand CLA A 1138



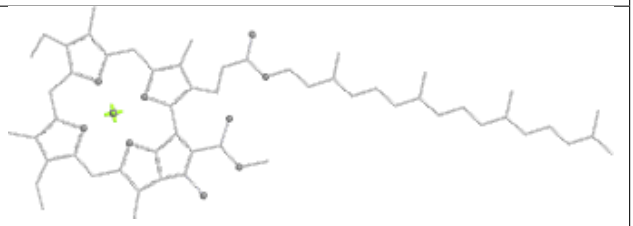
Bond lengths



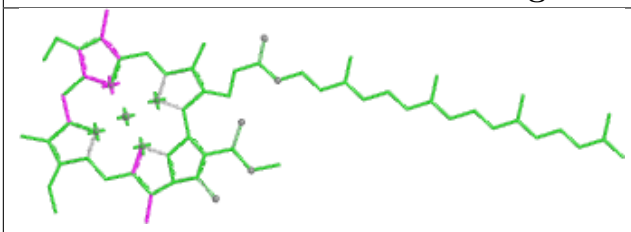
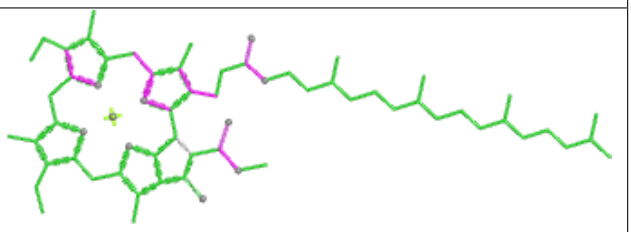
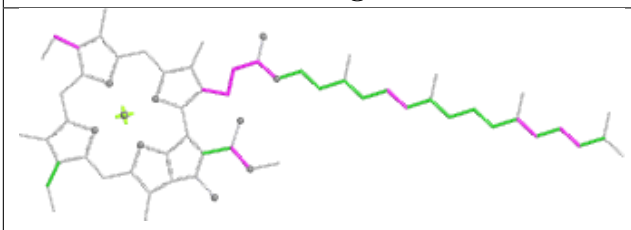
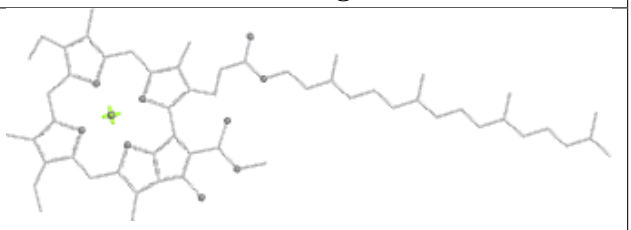
Bond angles

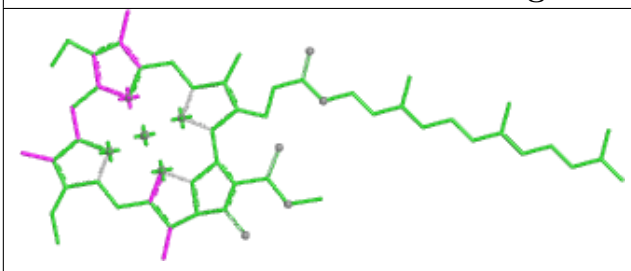
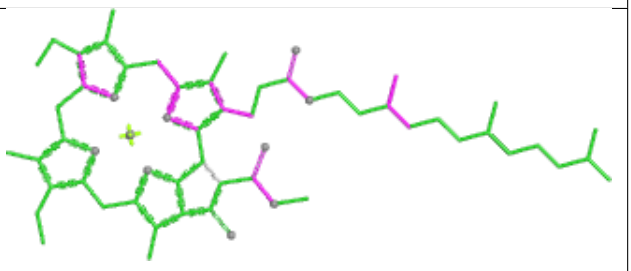
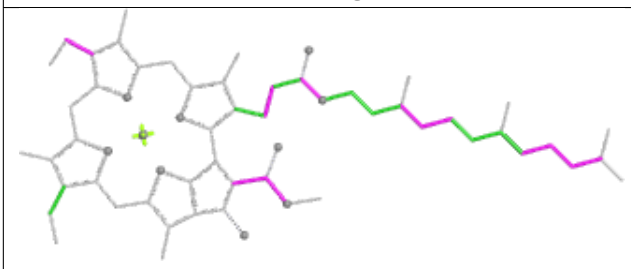
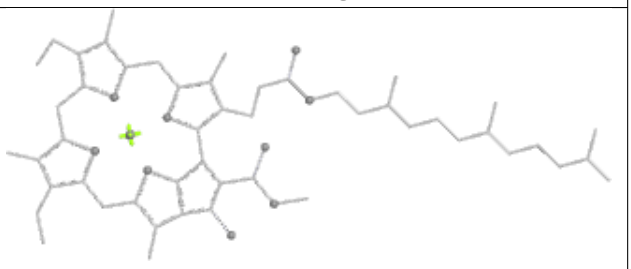


Torsions

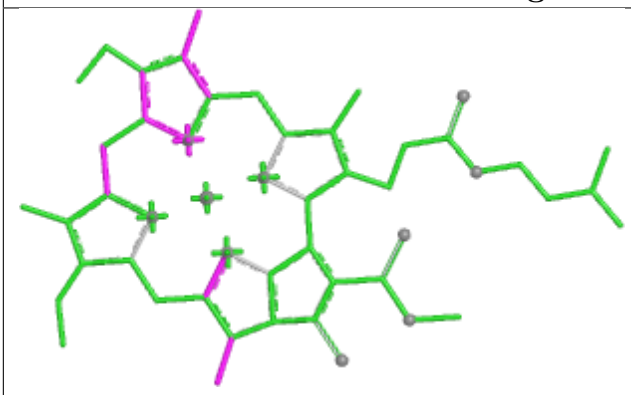


Rings

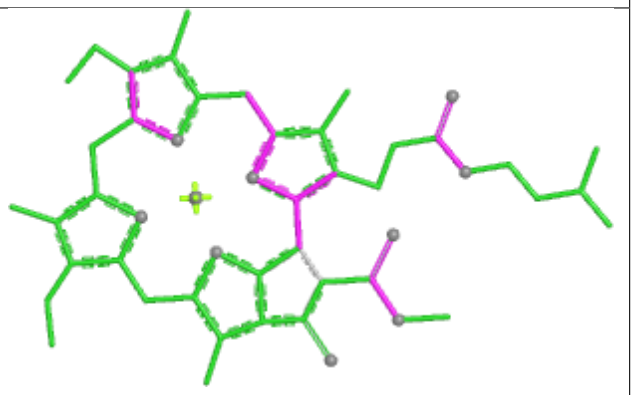
Ligand CLA o 505	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA x 506	
	
Bond lengths	Bond angles
	
Torsions	Rings

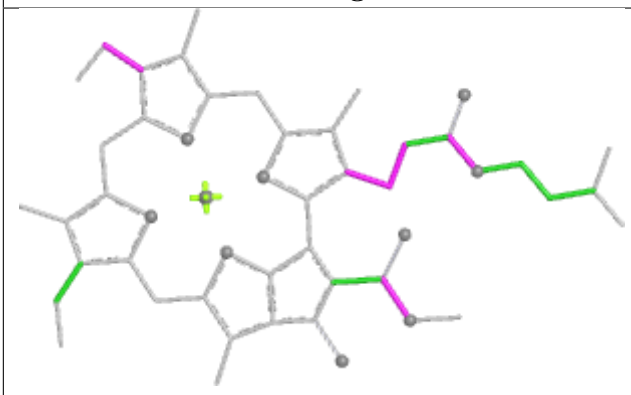
Ligand CLA u 513



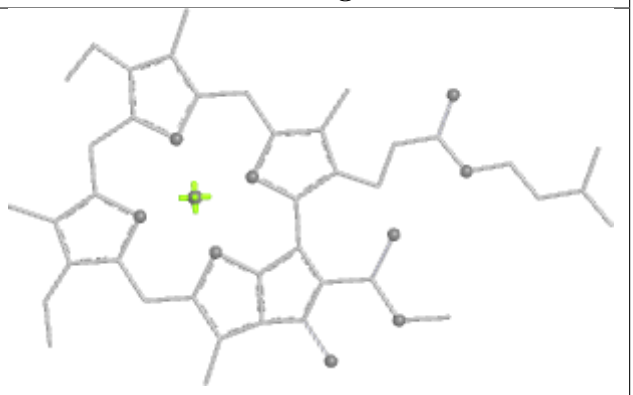
Bond lengths



Bond angles



Torsions

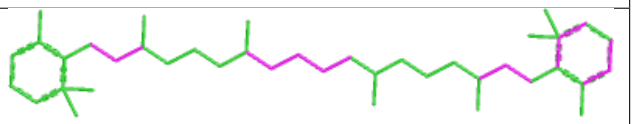


Rings

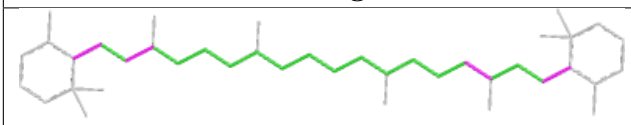
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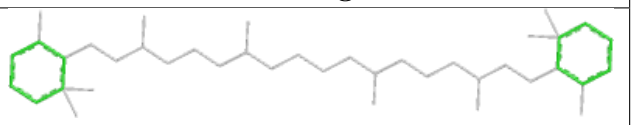
Bond lengths



Bond angles

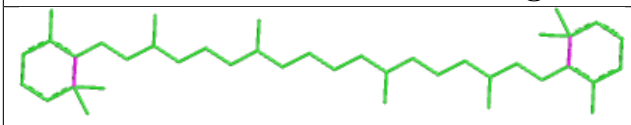


Torsions

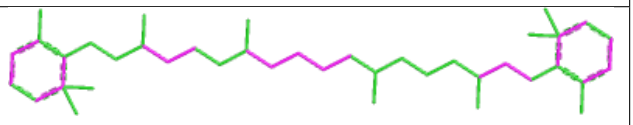


Rings

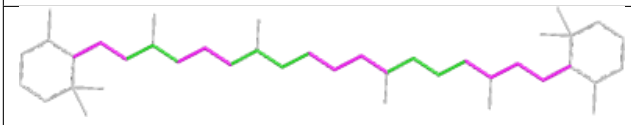
Ligand BCR h 604



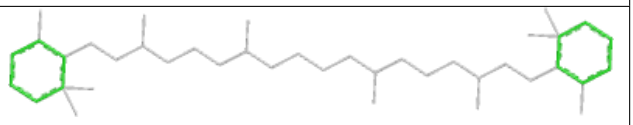
Bond lengths



Bond angles

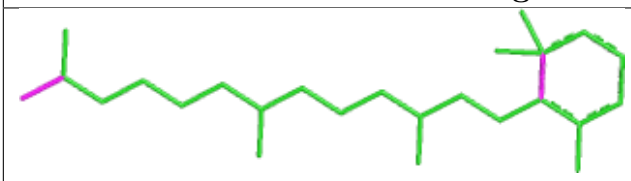


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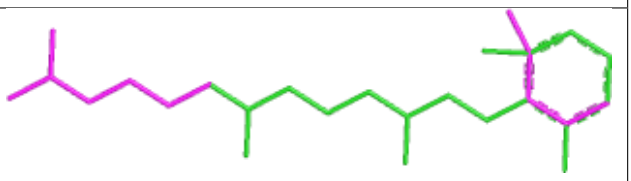


Rings

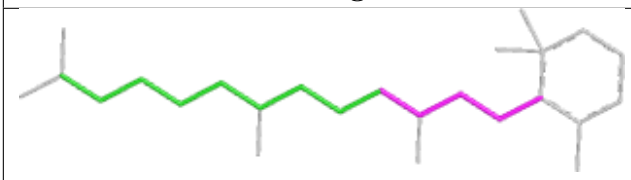
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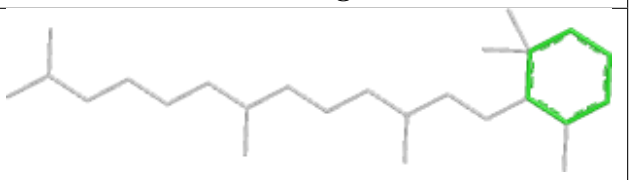
Bond lengths



Bond angles

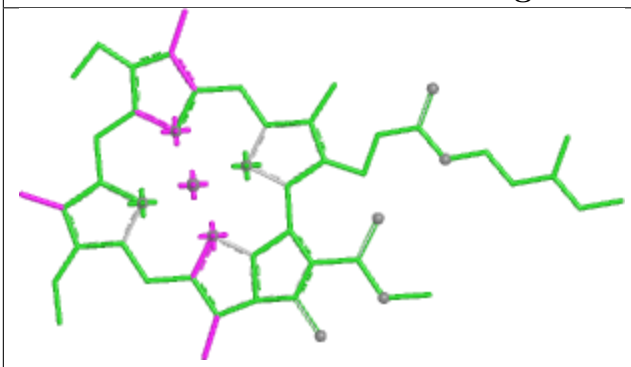


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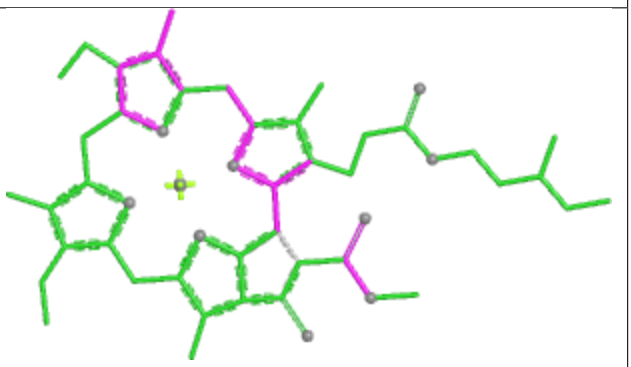


Rings

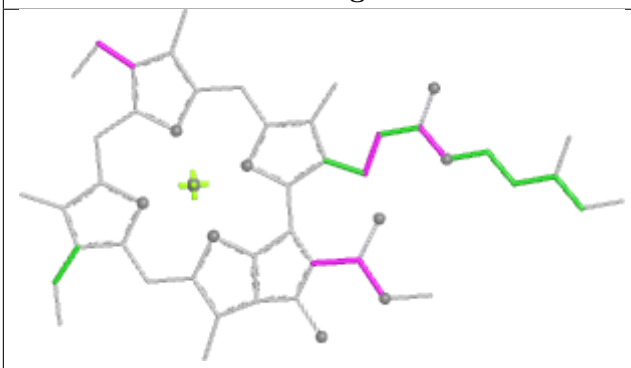
Ligand CLA H 1135



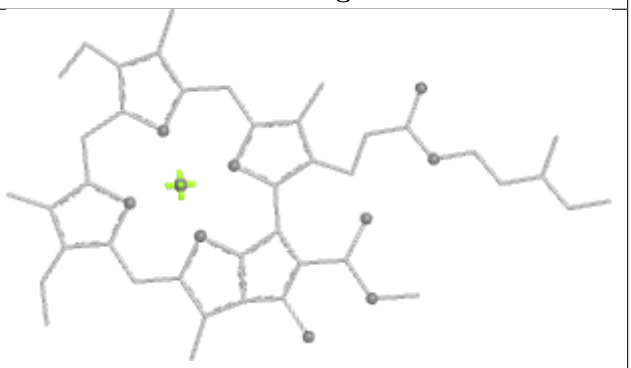
Bond lengths



Bond angles



Torsions

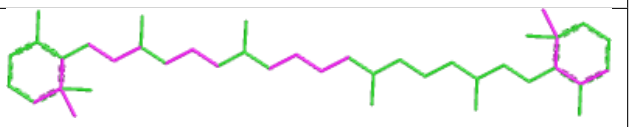


Rings

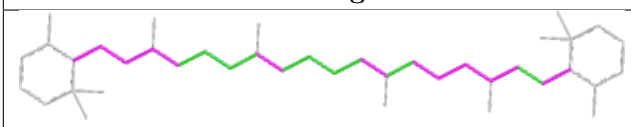
Ligand BCR a 4011



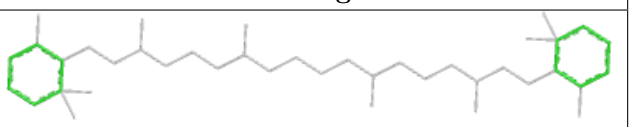
Bond lengths



Bond angles

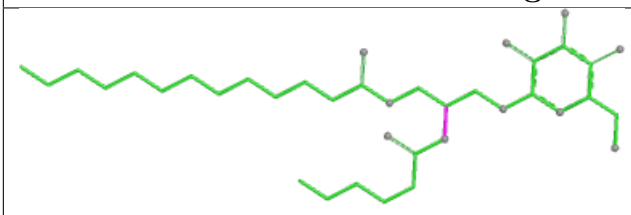


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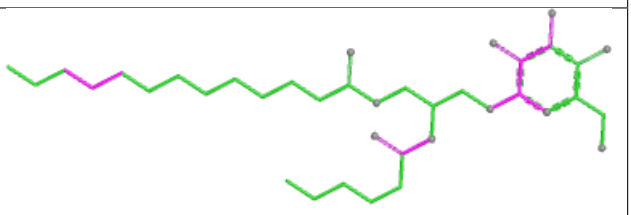


Rings

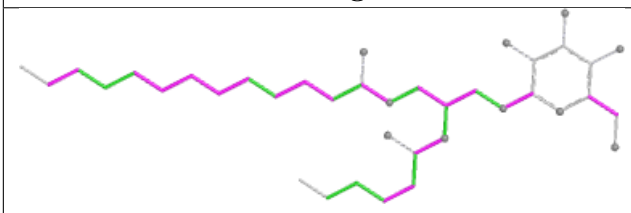
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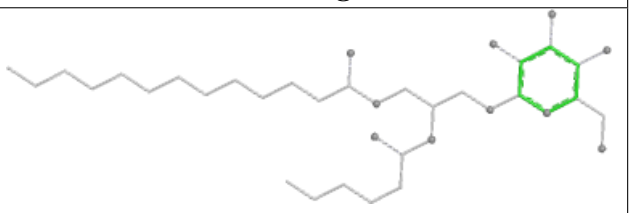
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Bond angles

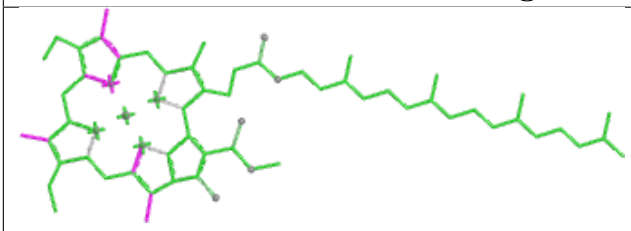


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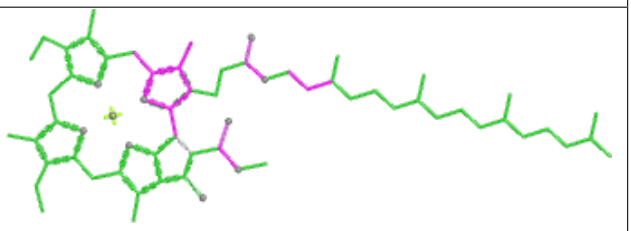


Rings

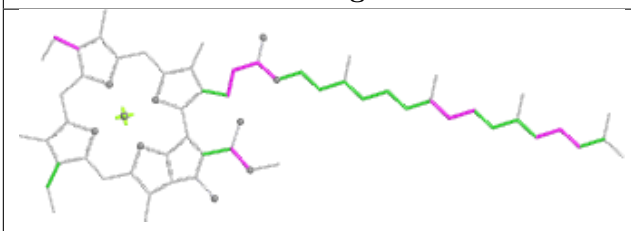
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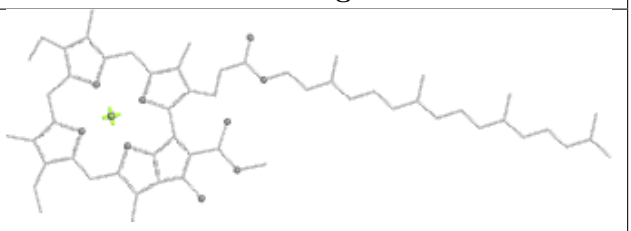
Bond lengths



Bond angles

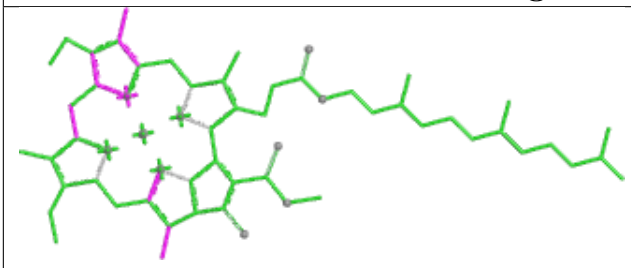


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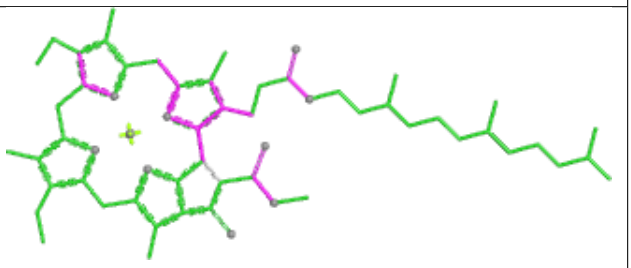


Rings

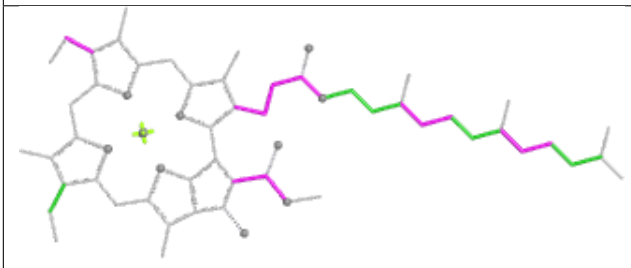
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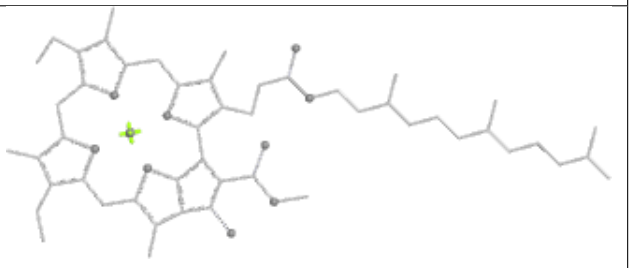
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Bond angles

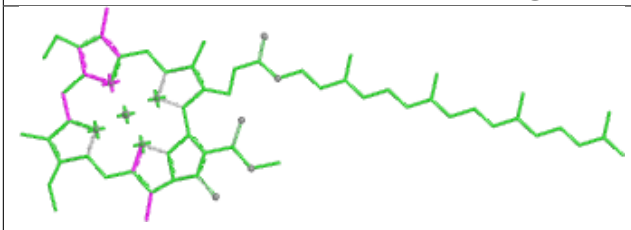


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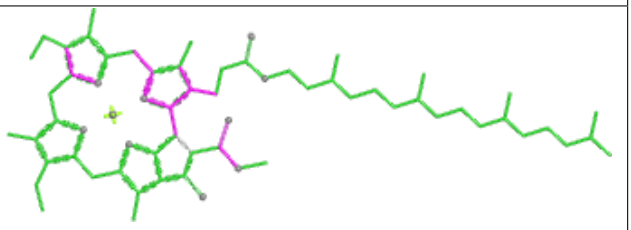


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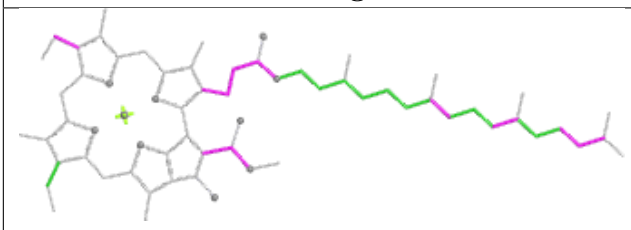
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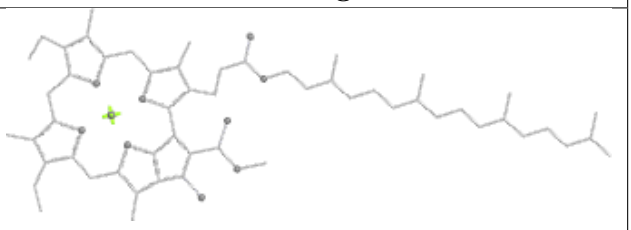
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Bond angles

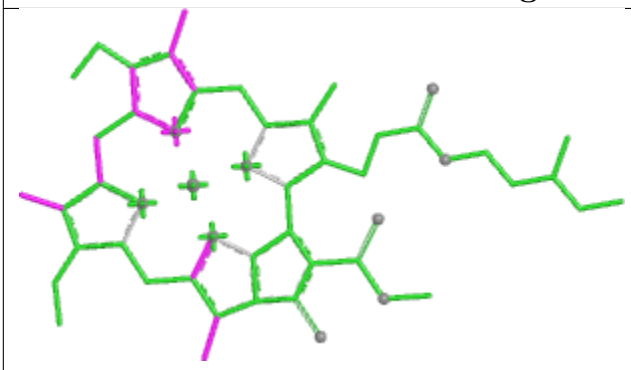


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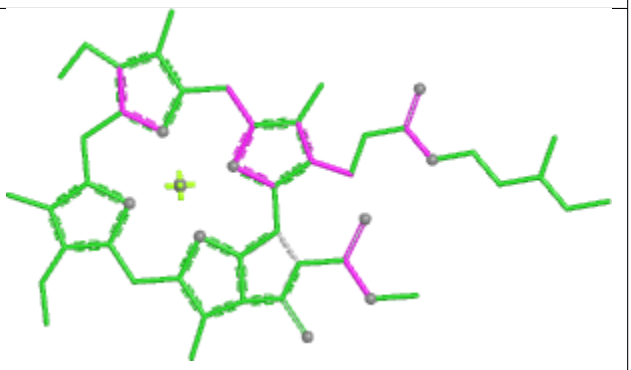


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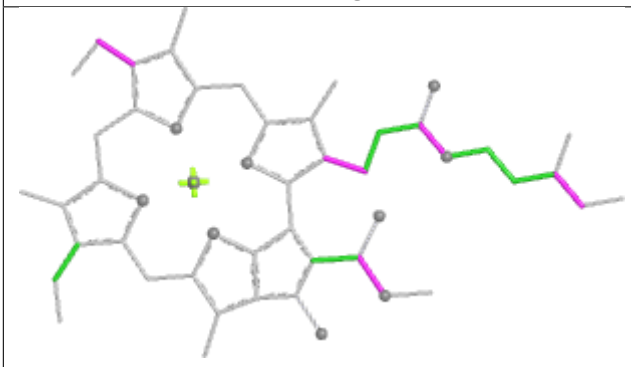
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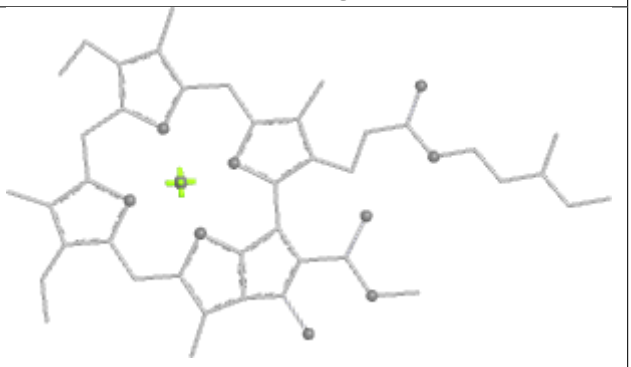
Bond lengths



Bond angles

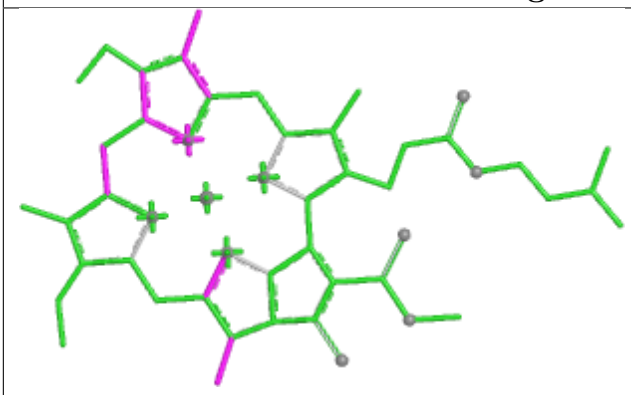


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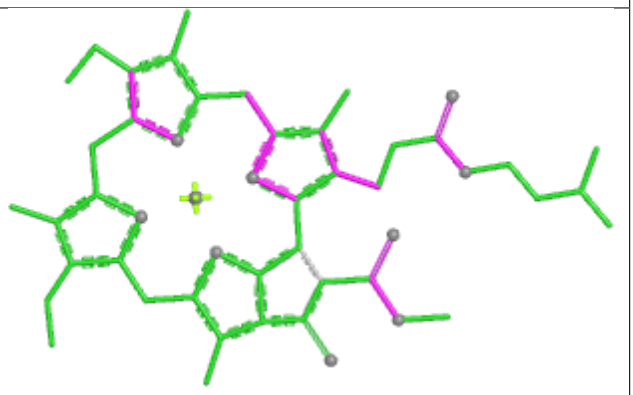


Rings

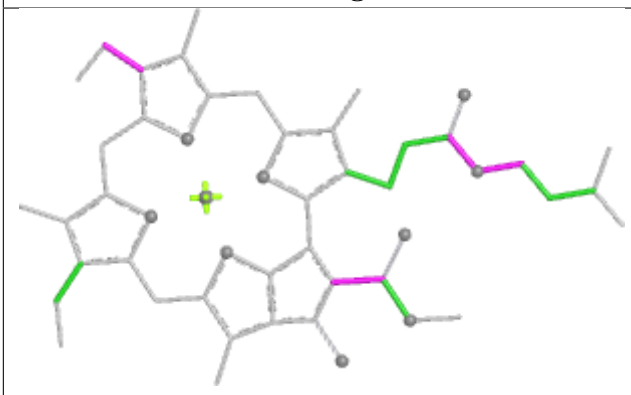
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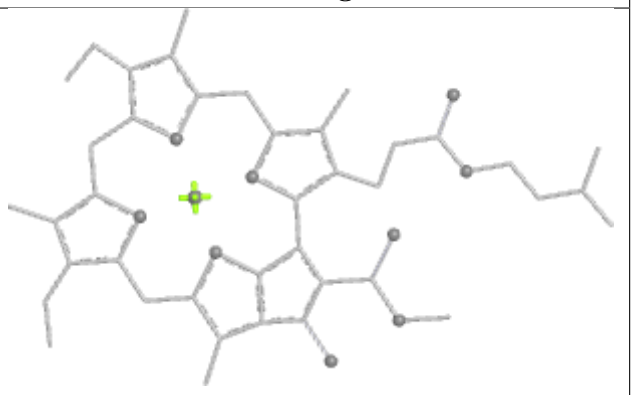
Bond lengths



Bond angles

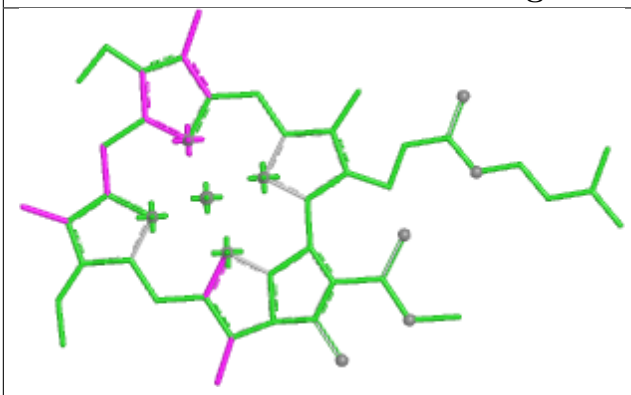


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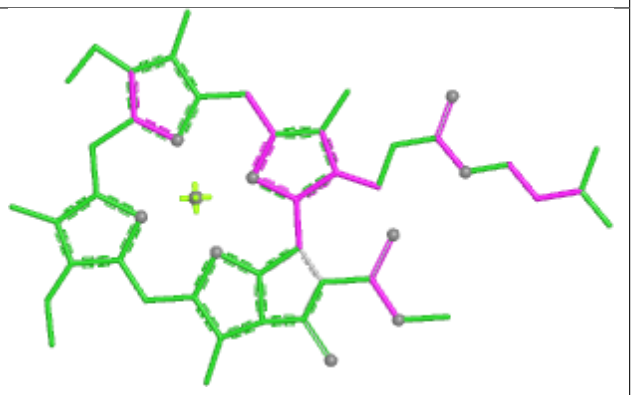


Rings

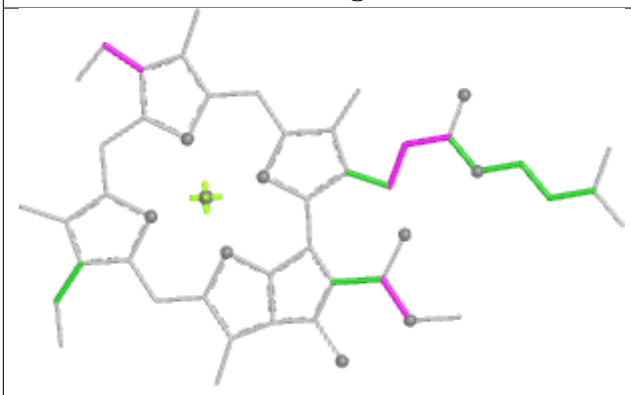
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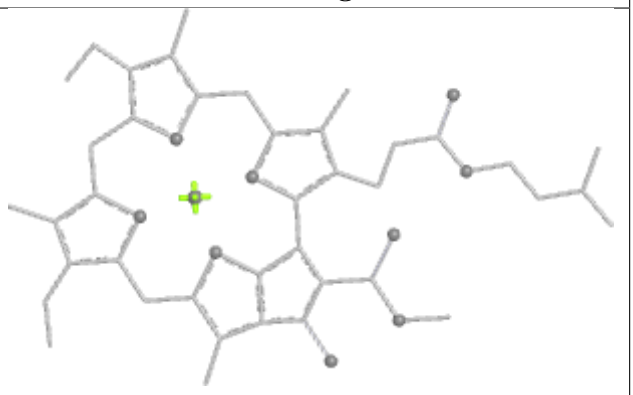
Bond lengths



Bond angles

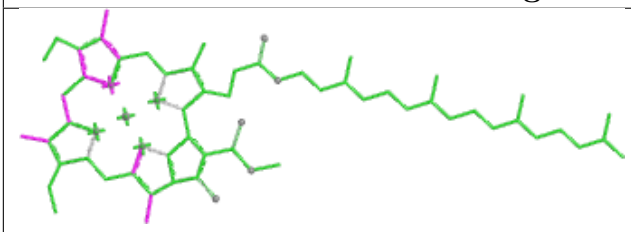


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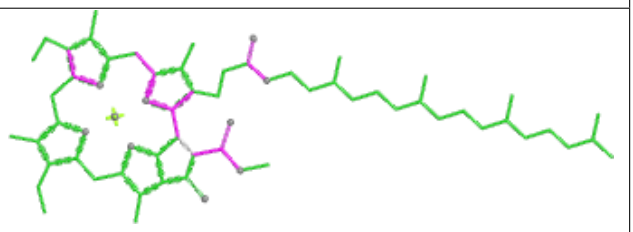


Rings

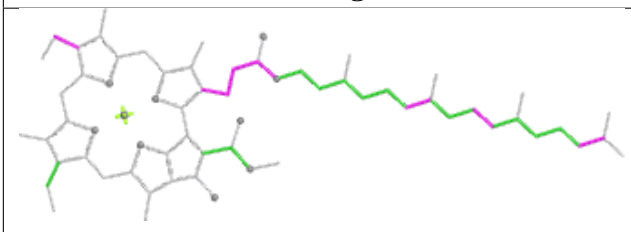
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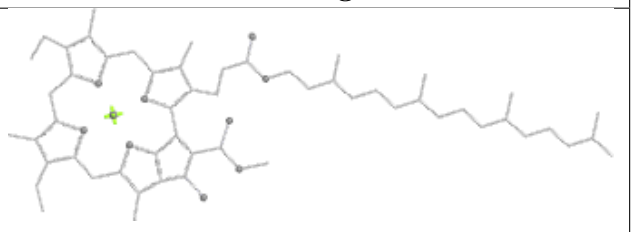
Bond lengths



Bond angles

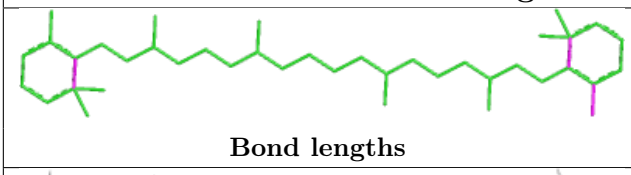


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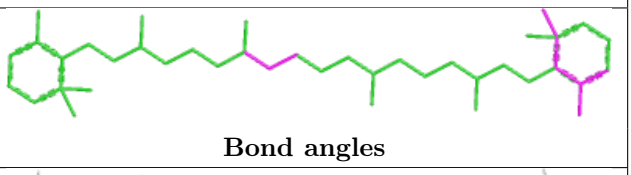


Rings

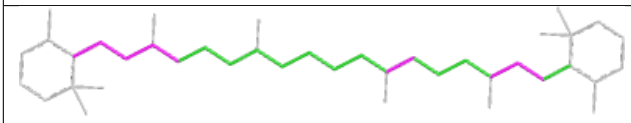
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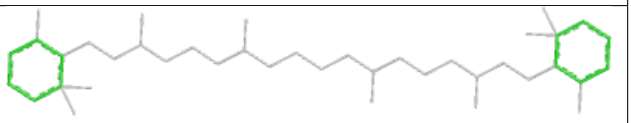
Bond lengths



Bond angles

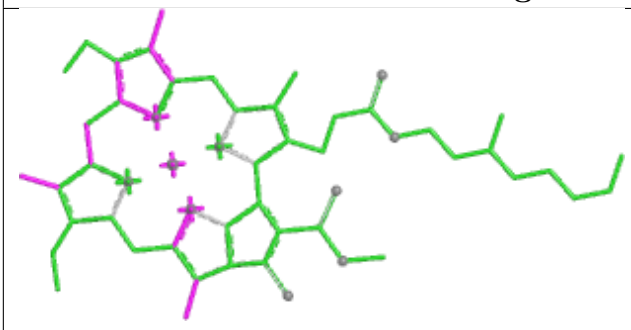


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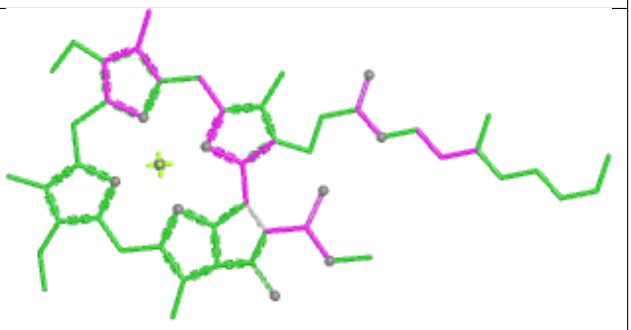


Rings

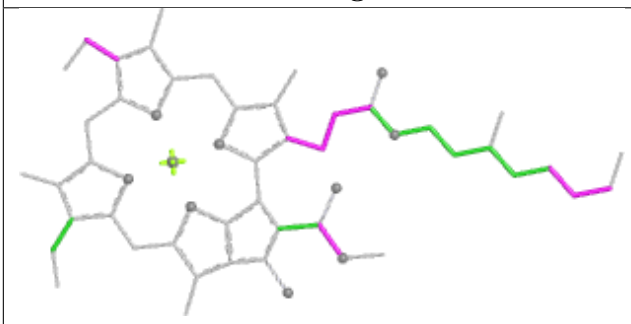
Ligand CLA H 1116



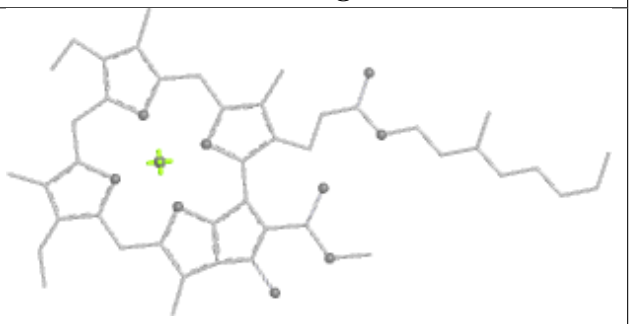
Bond lengths



Bond angles

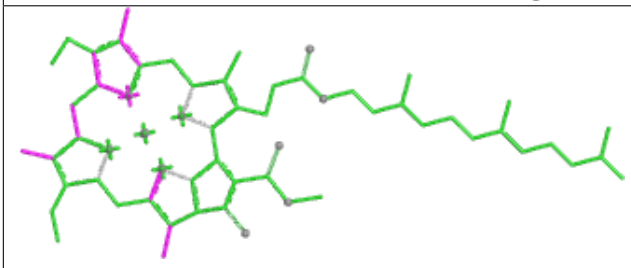


Torsions

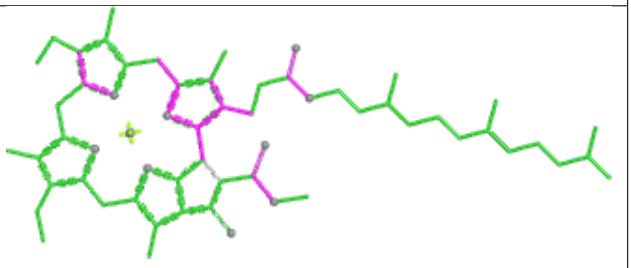


Rings

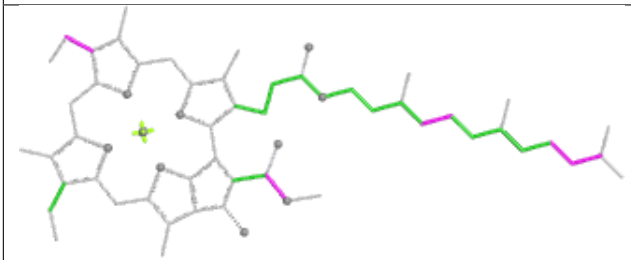
Ligand CLA h 509



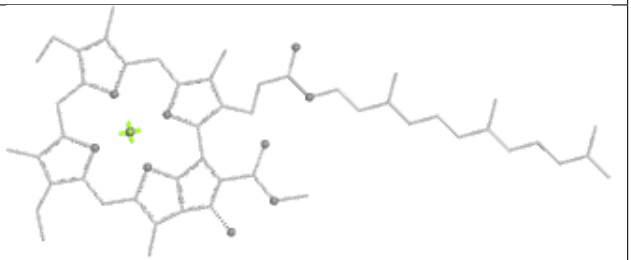
Bond lengths



Bond angles

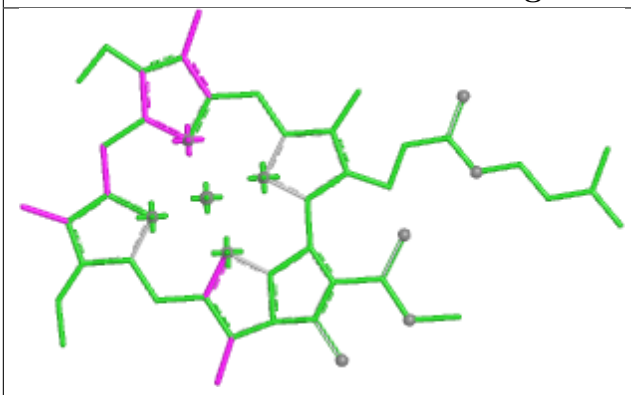


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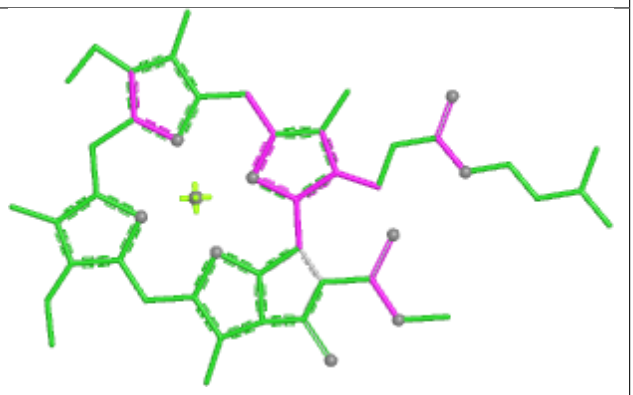


Rings

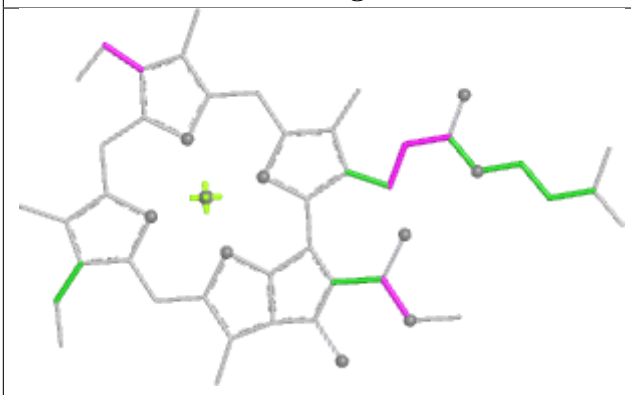
Ligand CLA w 514



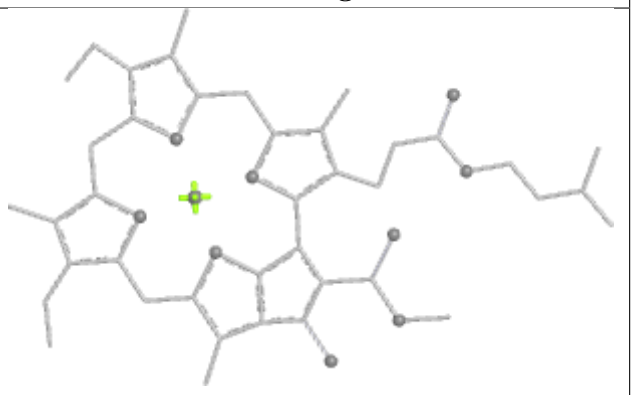
Bond lengths



Bond angles

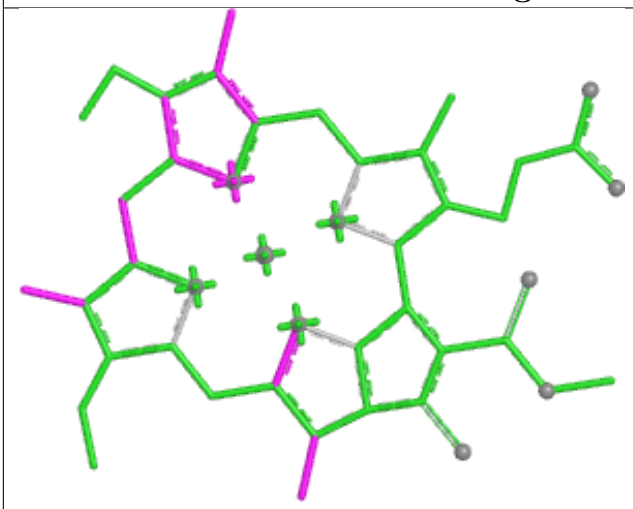


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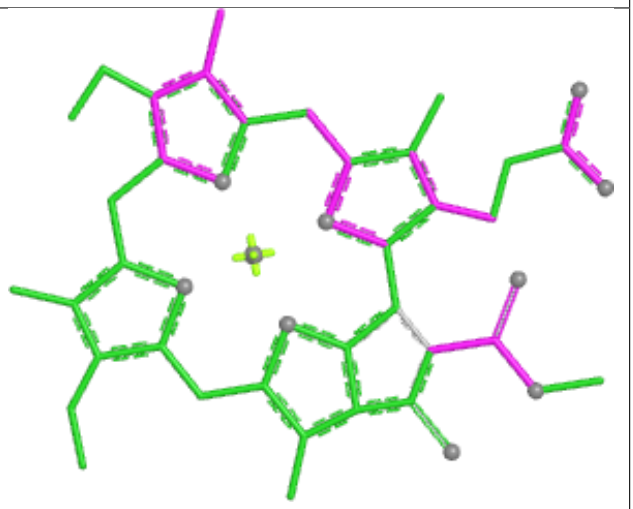


Rings

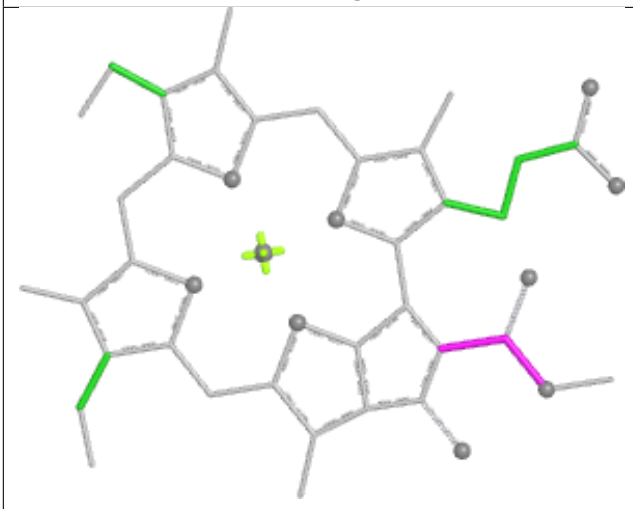
Ligand CLA G 1230



Bond lengths



Bond angles

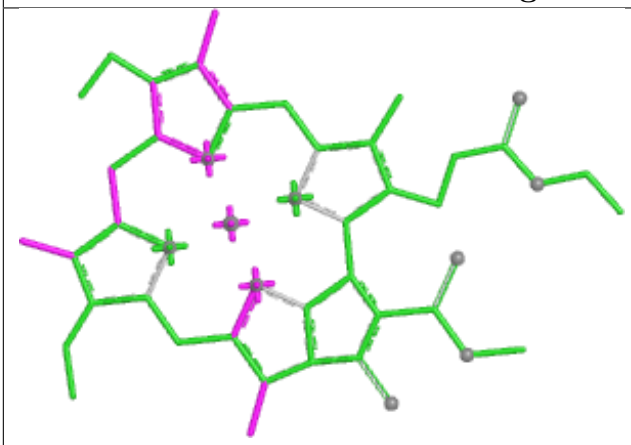


Torsions

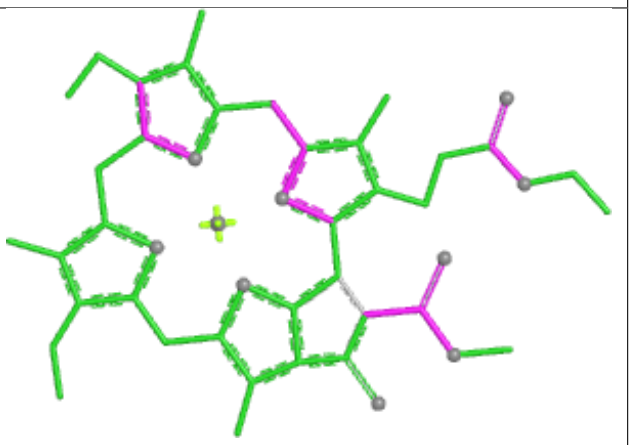


Rings

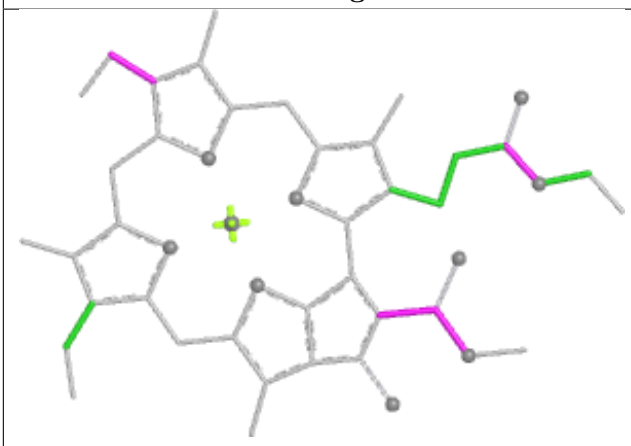
Ligand CLA a 1137



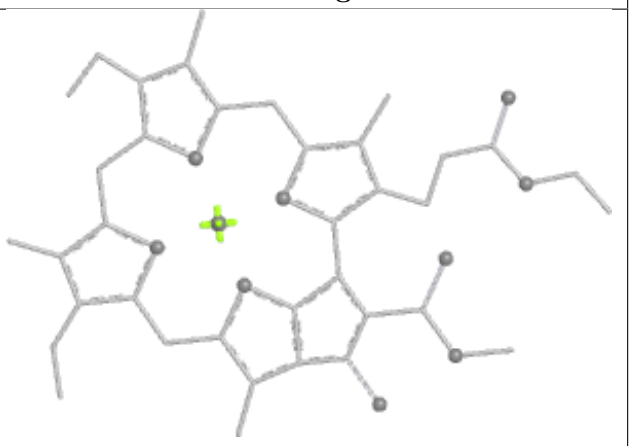
Bond lengths



Bond angles



Torsions

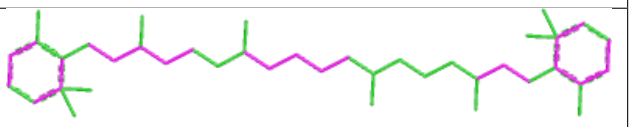


Rings

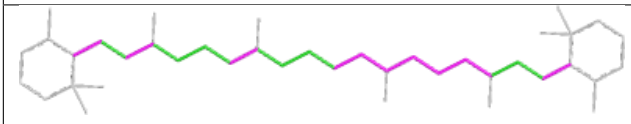
Ligand BCR s 601



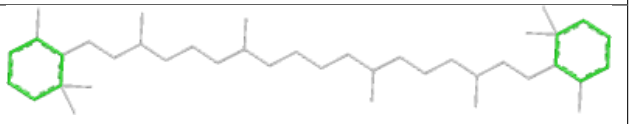
Bond lengths



Bond angles

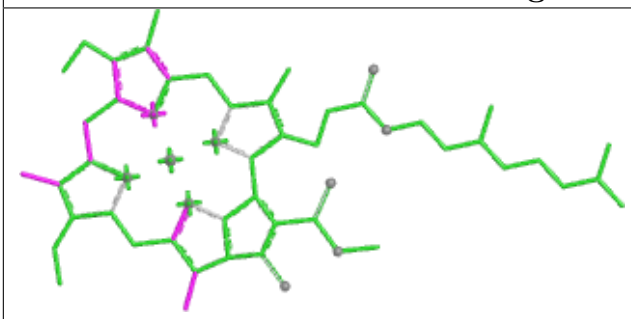


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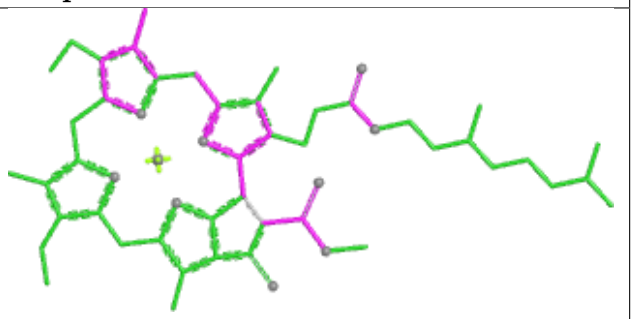


Rings

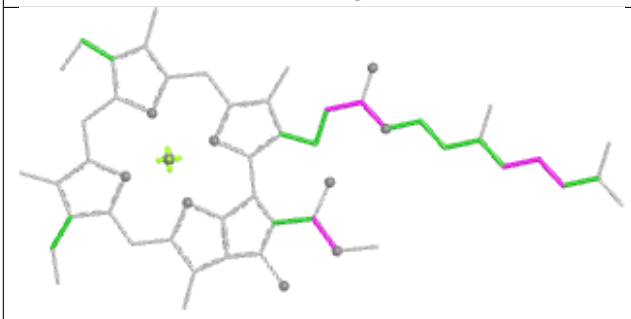
Ligand CLA q 517



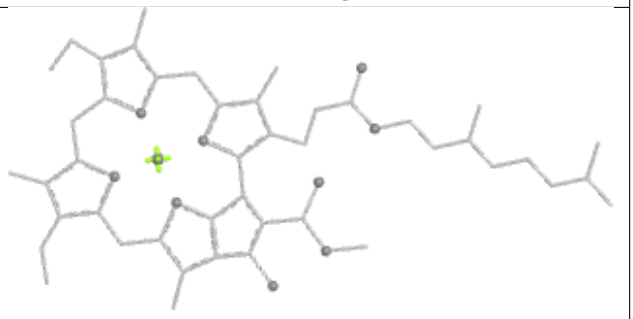
Bond lengths



Bond angles

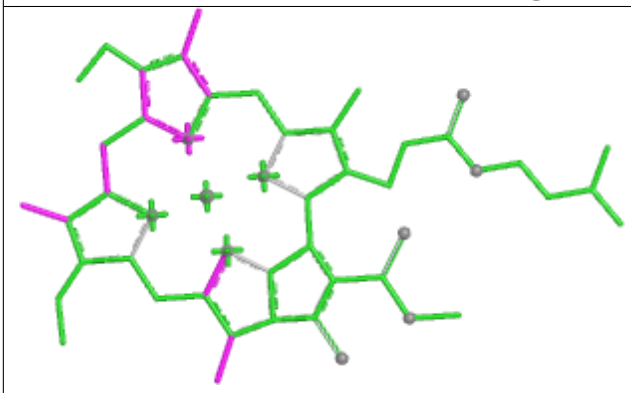


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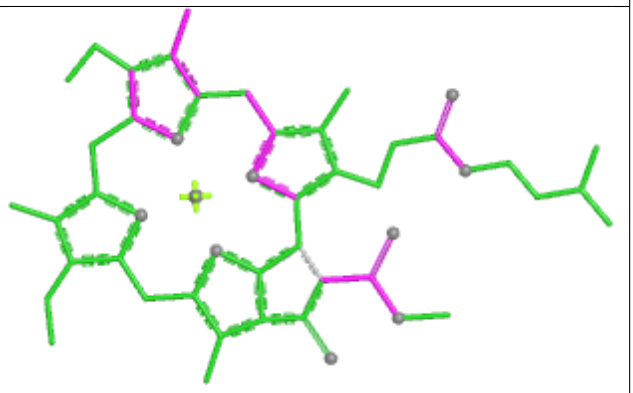


Rings

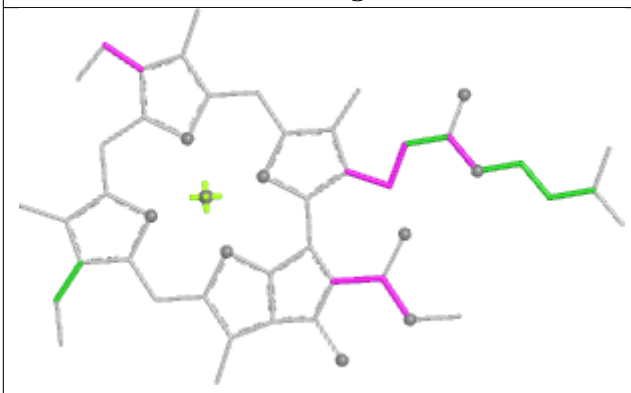
Ligand CLA x 514



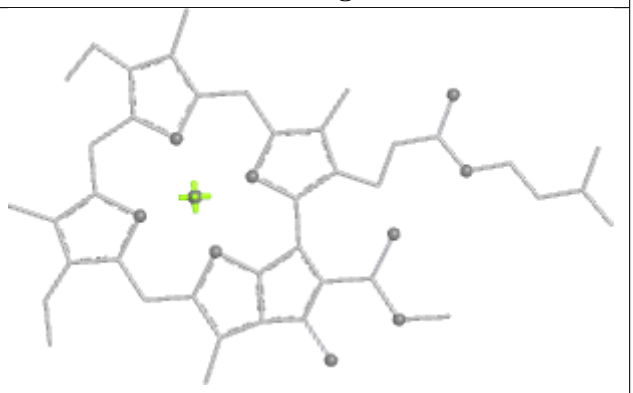
Bond lengths



Bond angles

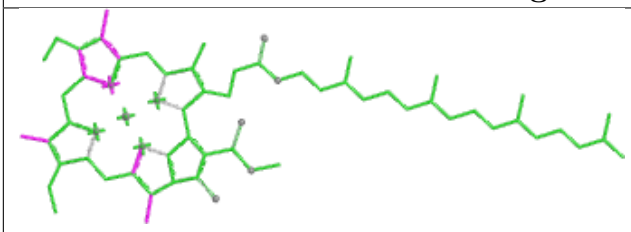


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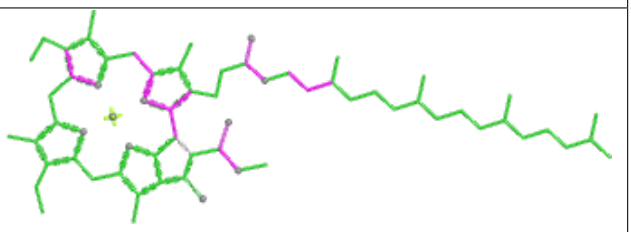


Rings

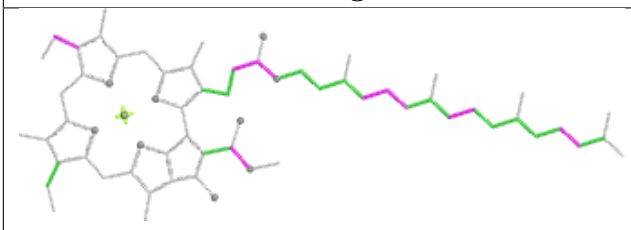
Ligand CLA s 507



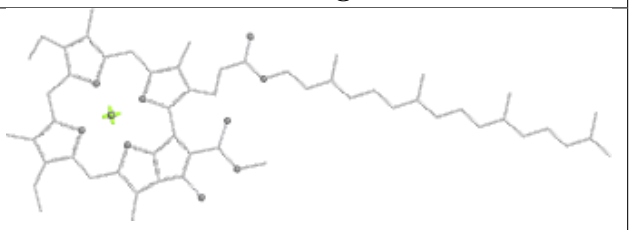
Bond lengths



Bond angles

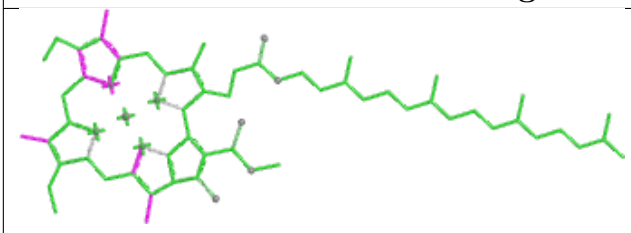


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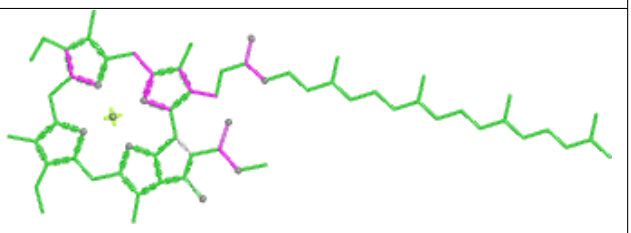


Rings

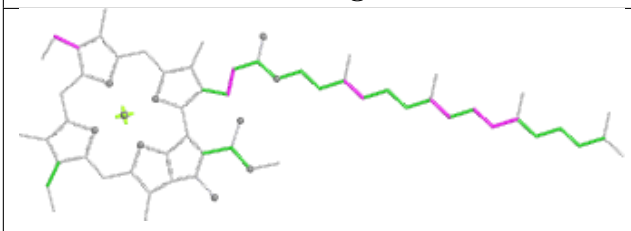
Ligand CLA b 1204



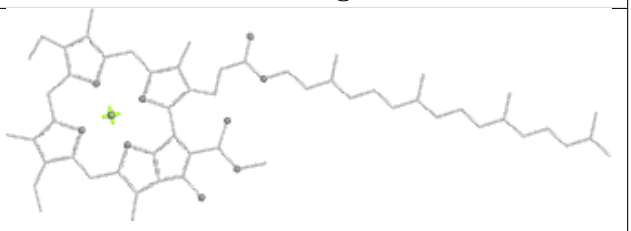
Bond lengths



Bond angles

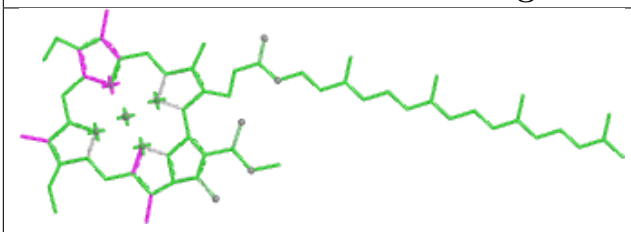


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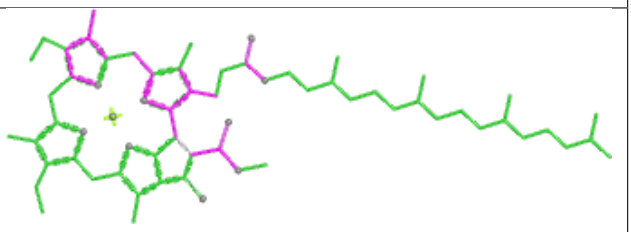


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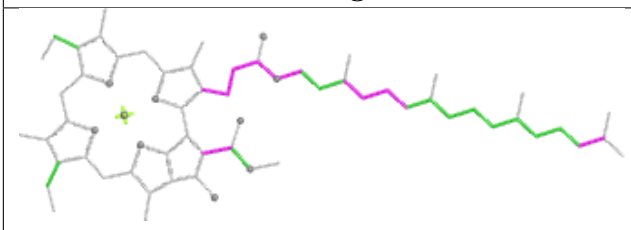
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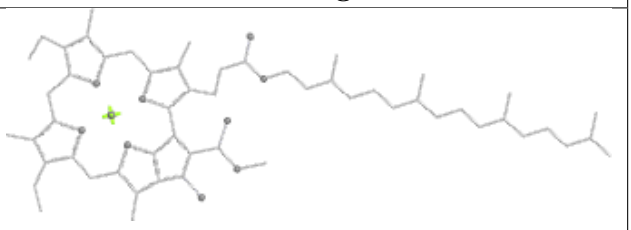
Bond lengths



Bond angles

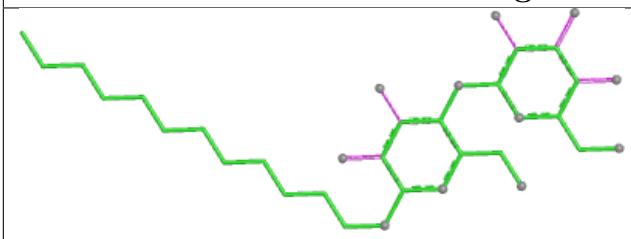


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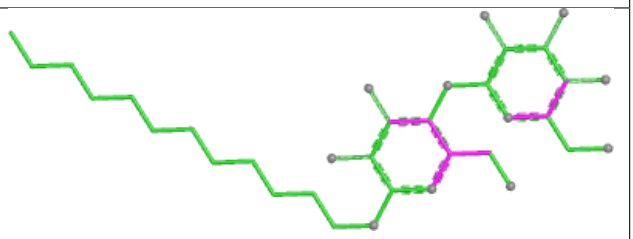


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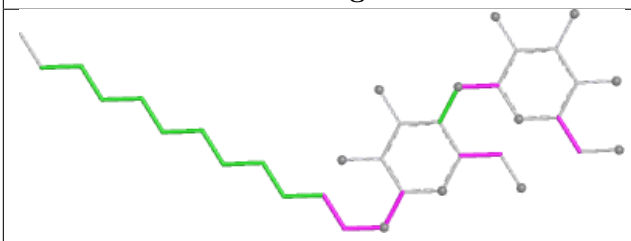
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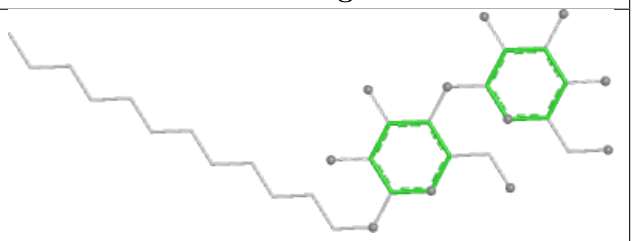
Bond lengths



Bond angles

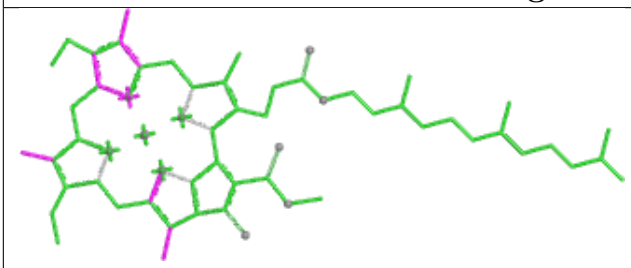


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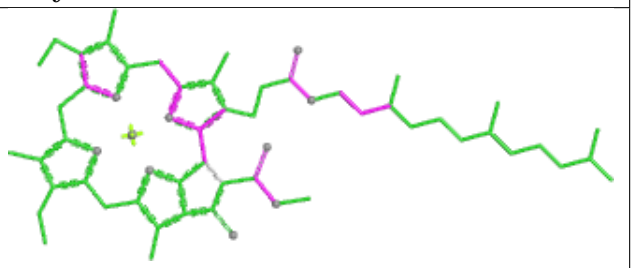


Rings

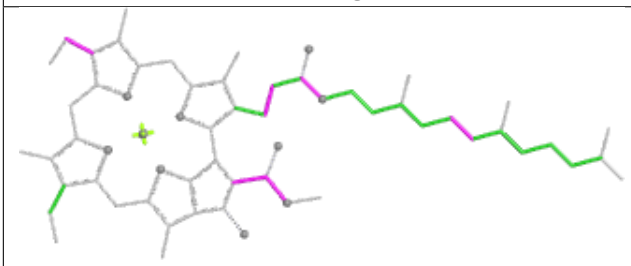
Ligand CLA y 506



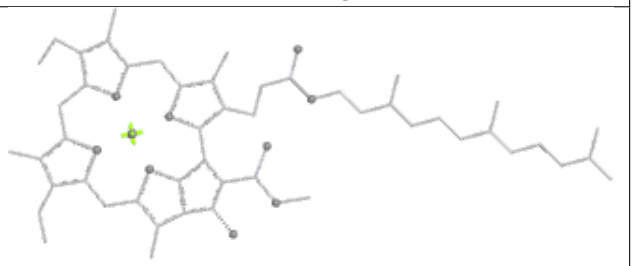
Bond lengths



Bond angles

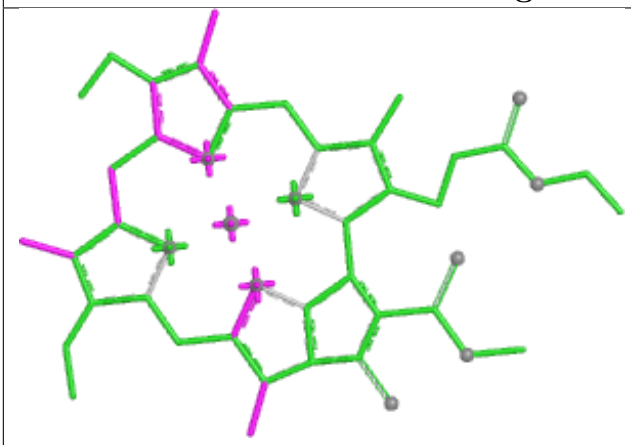


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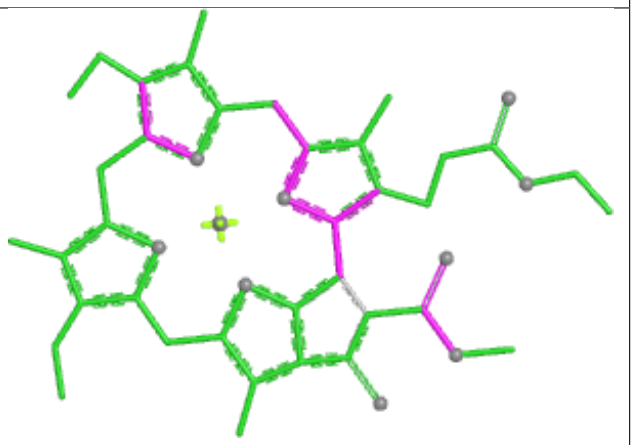


Rings

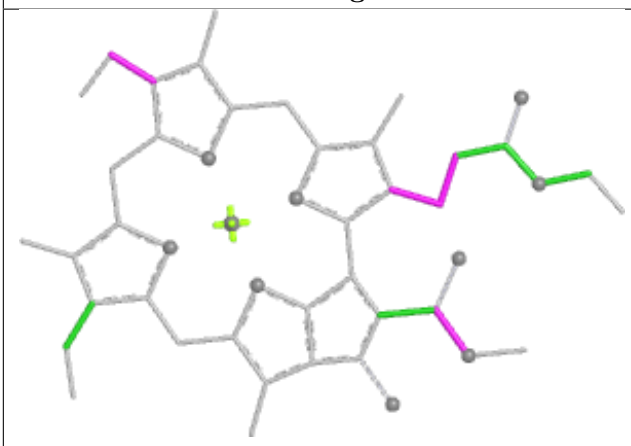
Ligand CLA B 1216



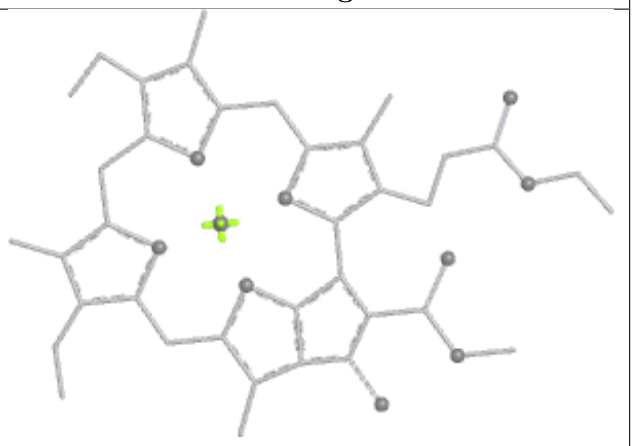
Bond lengths



Bond angles

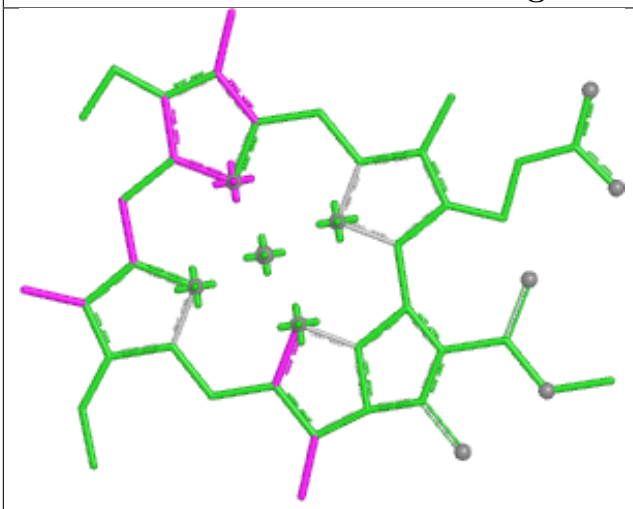


Torsions

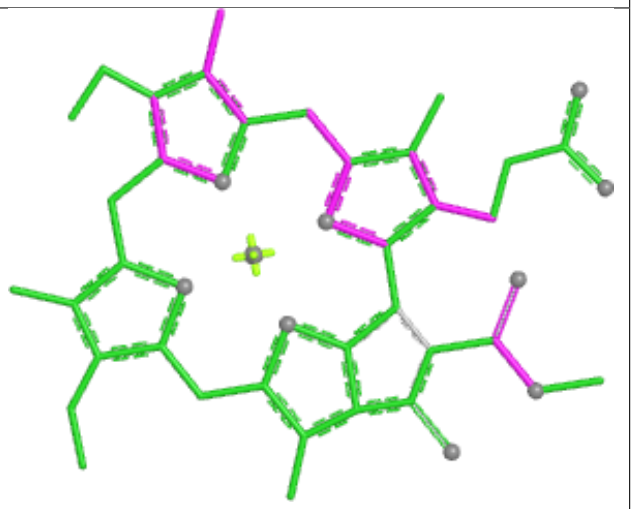


Rings

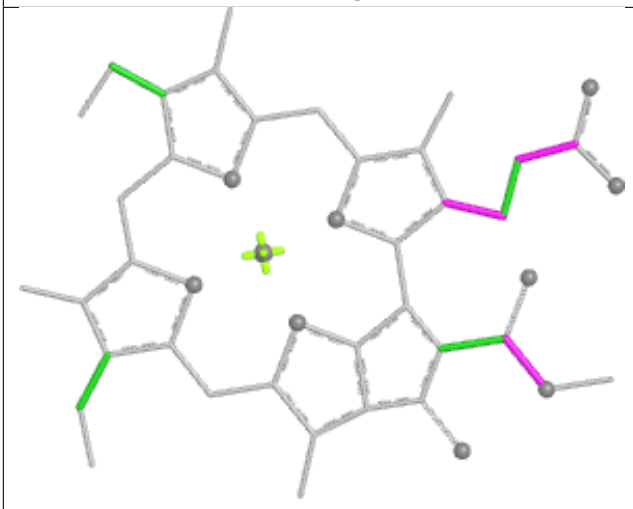
Ligand CLA x 512



Bond lengths



Bond angles

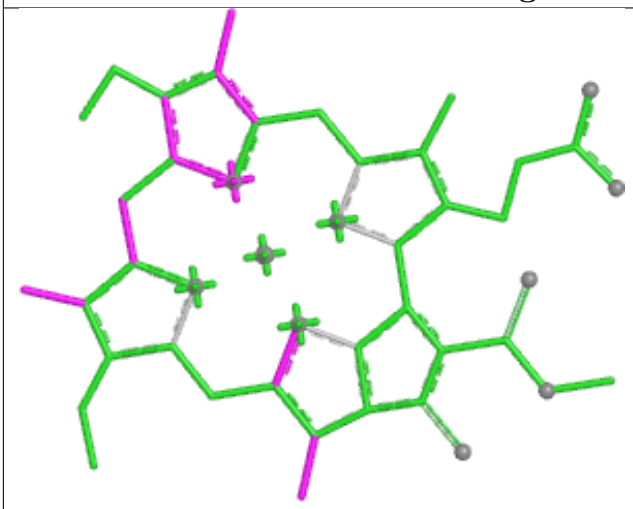


Torsions

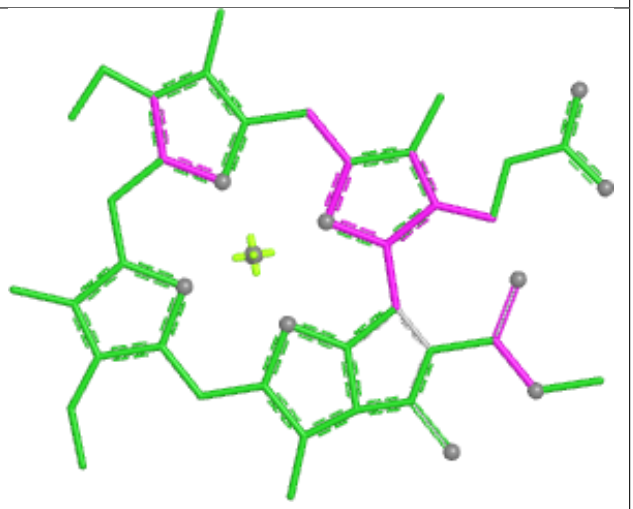


Rings

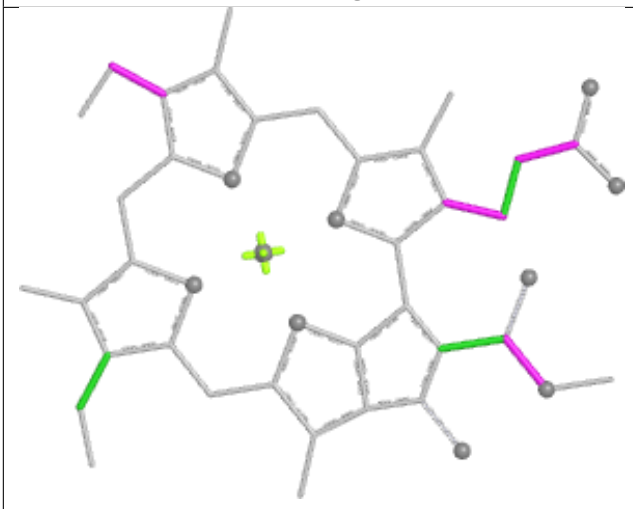
Ligand CLA J 1302



Bond lengths



Bond angles

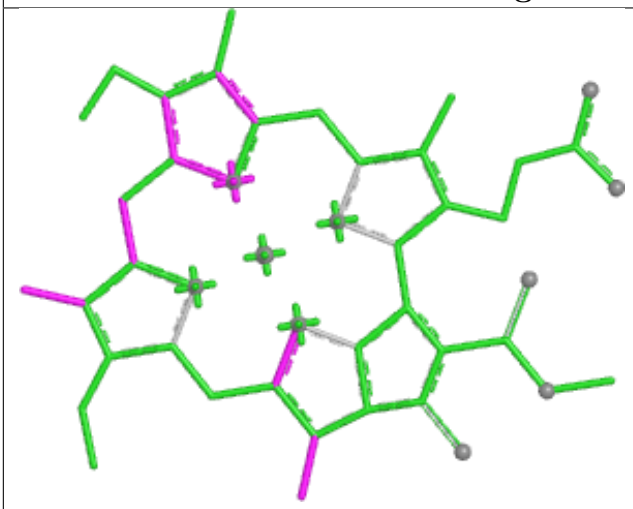


Torsions

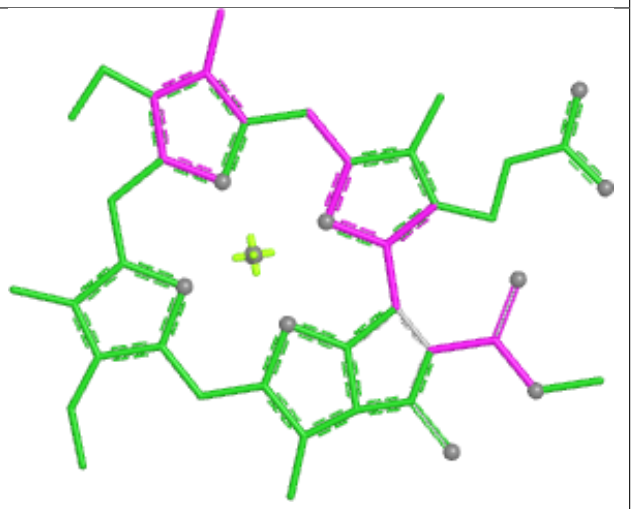


Rings

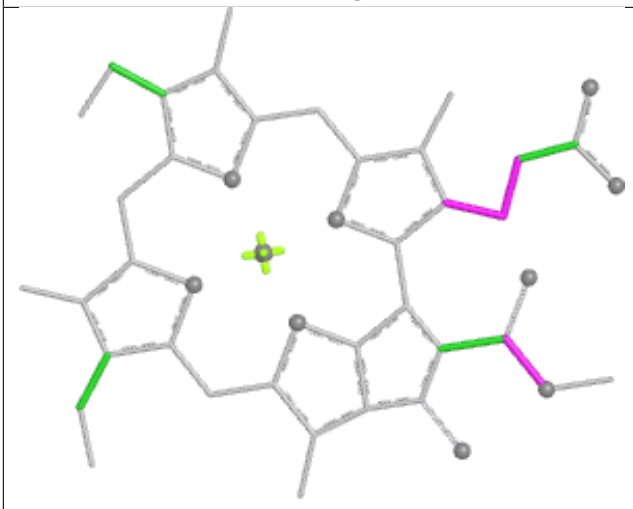
Ligand CLA A 1113



Bond lengths



Bond angles

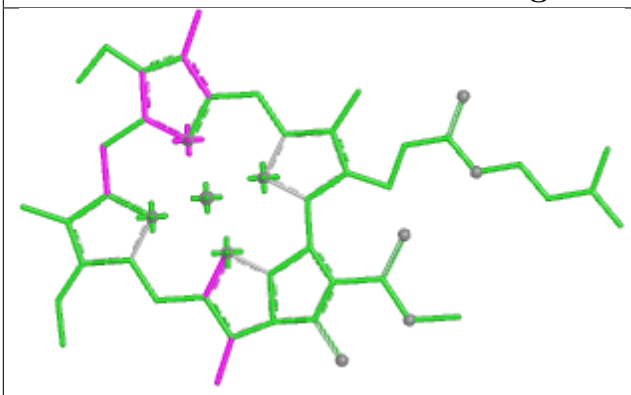


Torsions

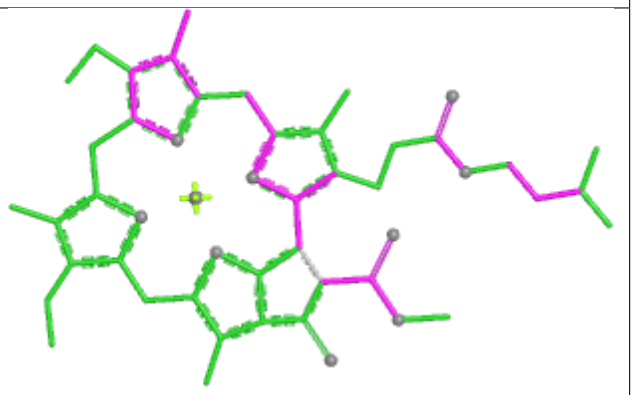


Rings

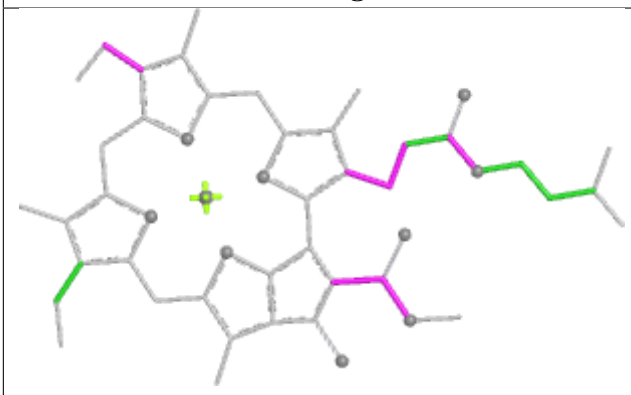
Ligand CLA r 514



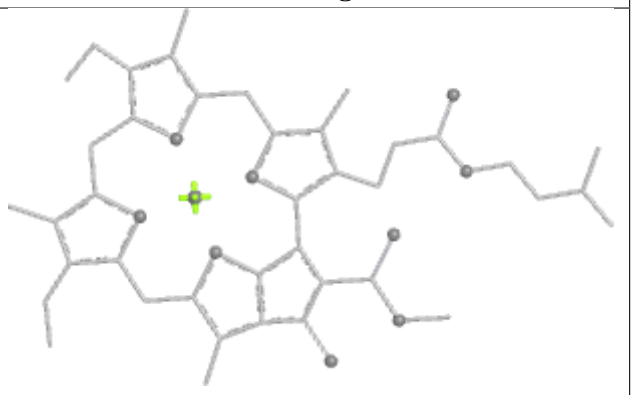
Bond lengths



Bond angles

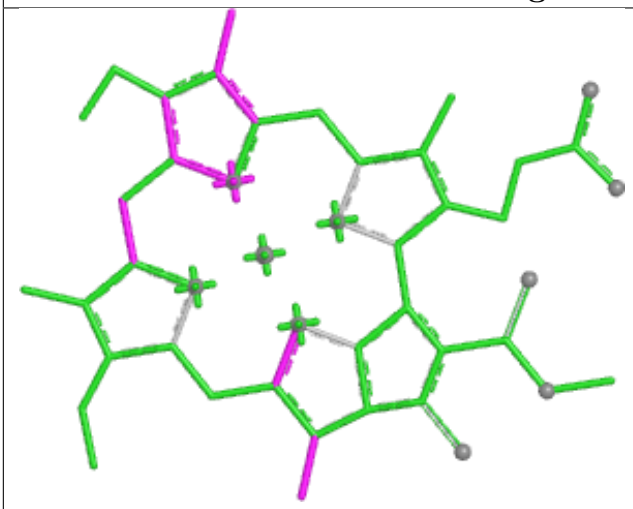


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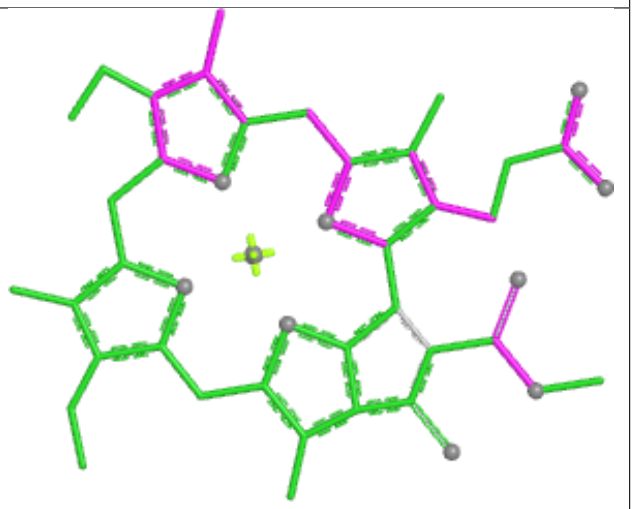


Rings

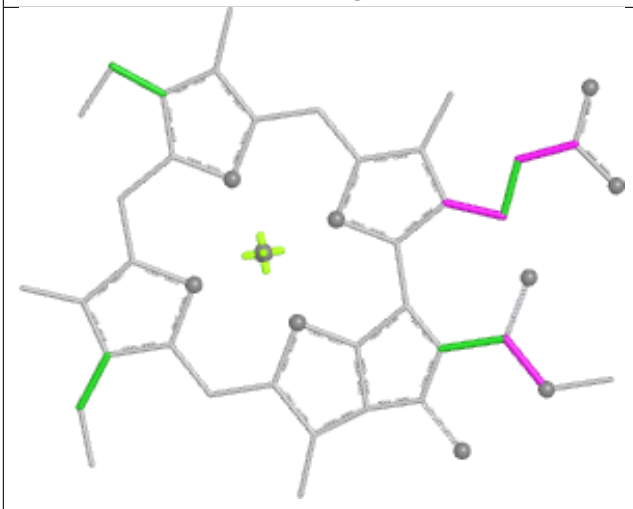
Ligand CLA o 512



Bond lengths



Bond angles

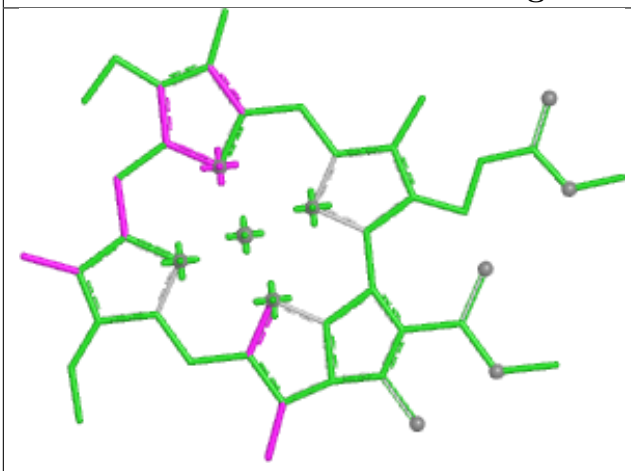


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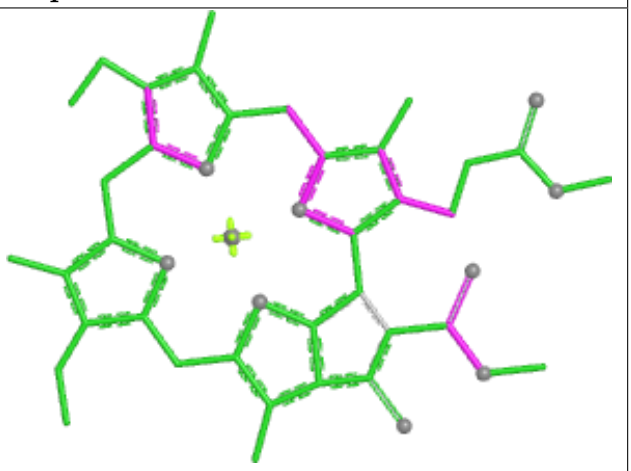


Rings

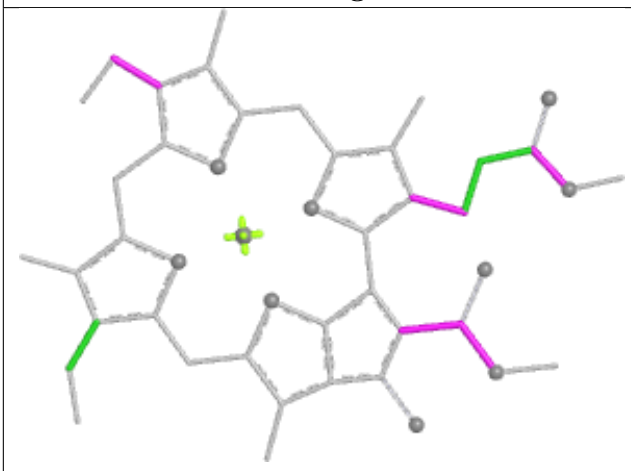
Ligand CLA p 503



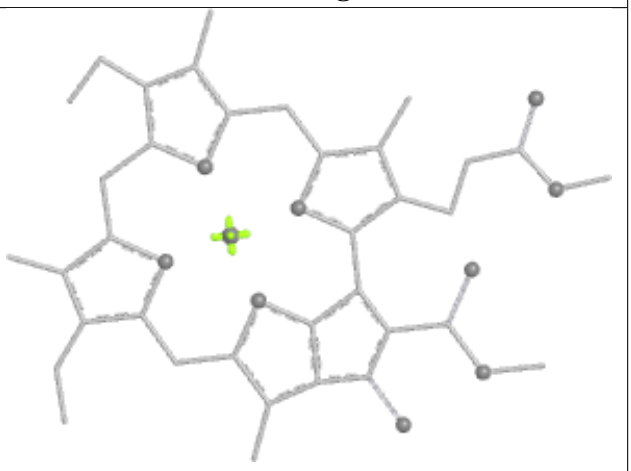
Bond lengths



Bond angles

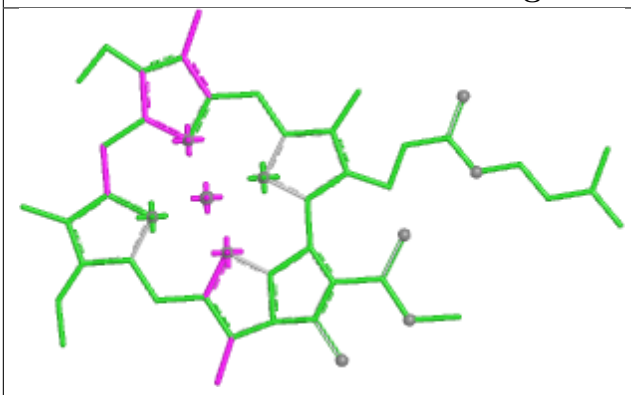


Torsions

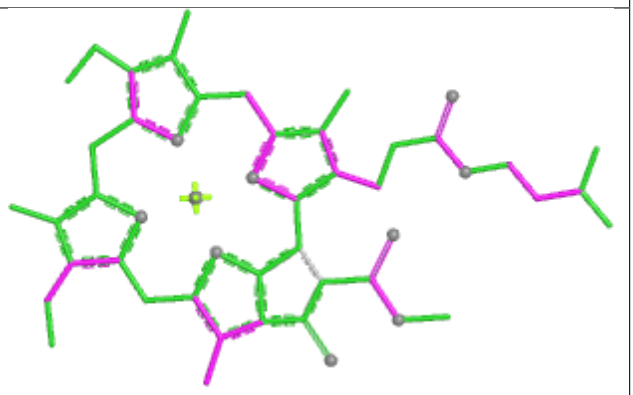


Rings

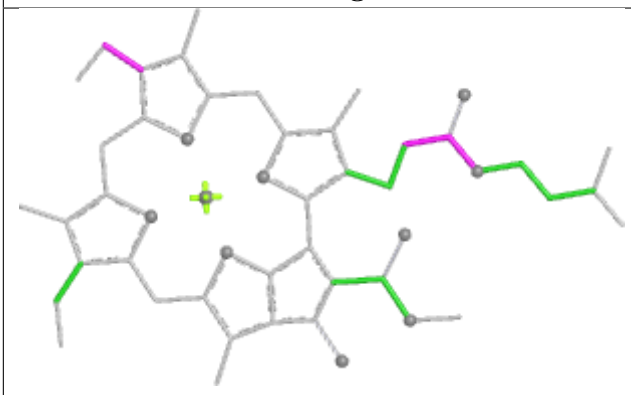
Ligand CLA Y 502



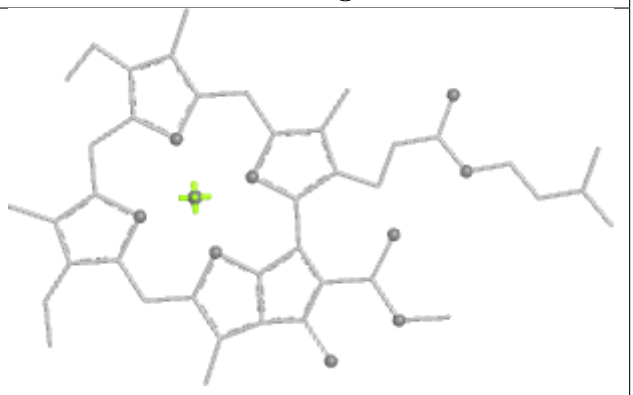
Bond lengths



Bond angles

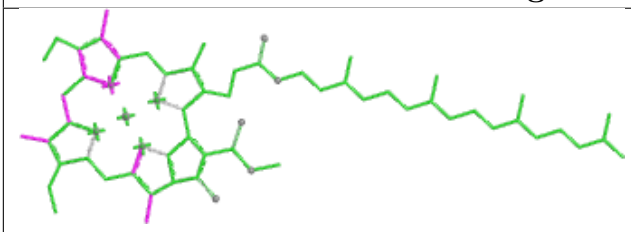


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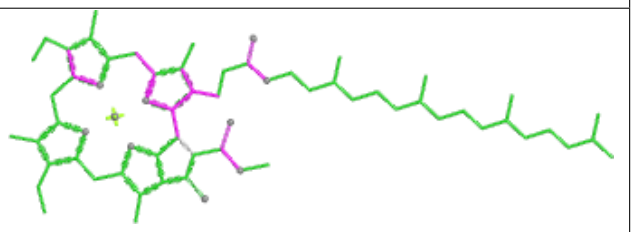


Rings

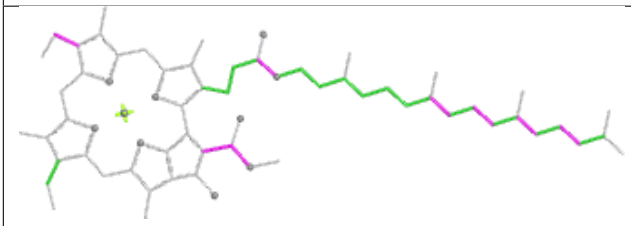
Ligand CLA u 507



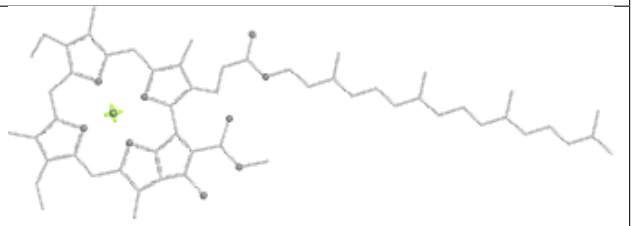
Bond lengths



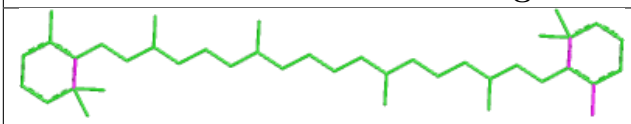
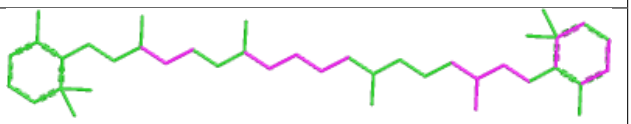
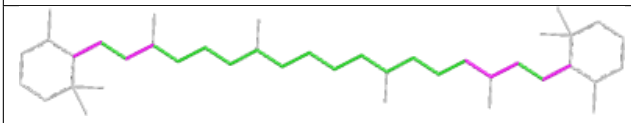
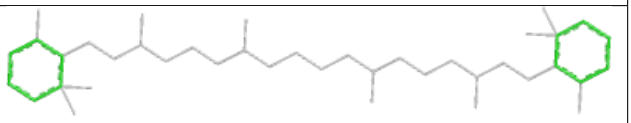
Bond angles

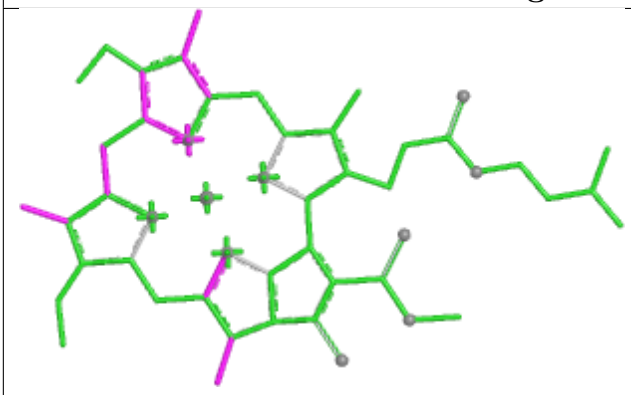
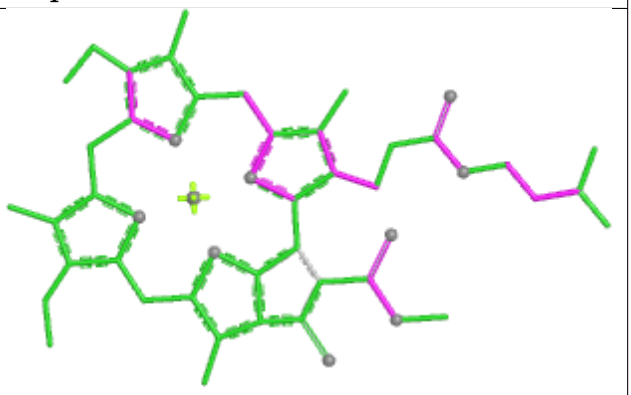
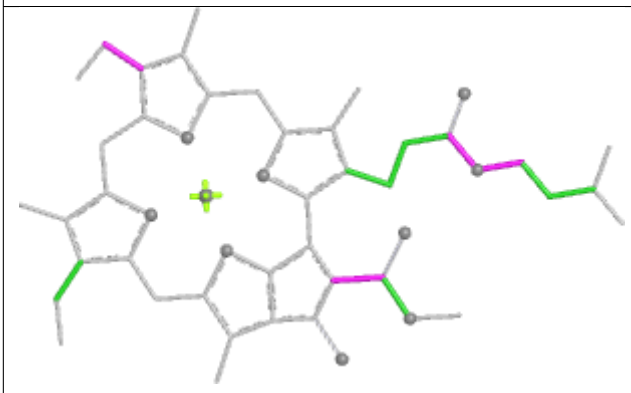
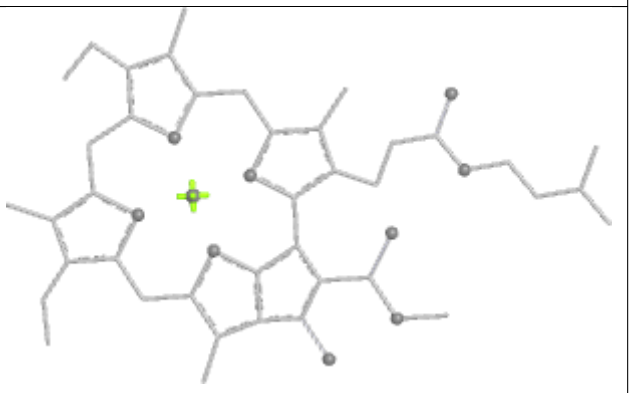


Torsions

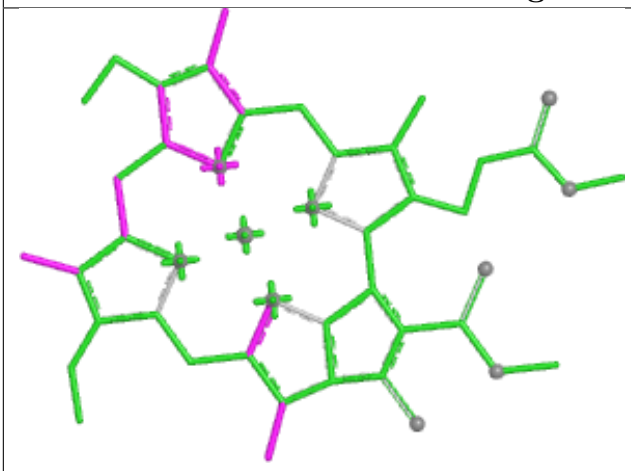


Rings

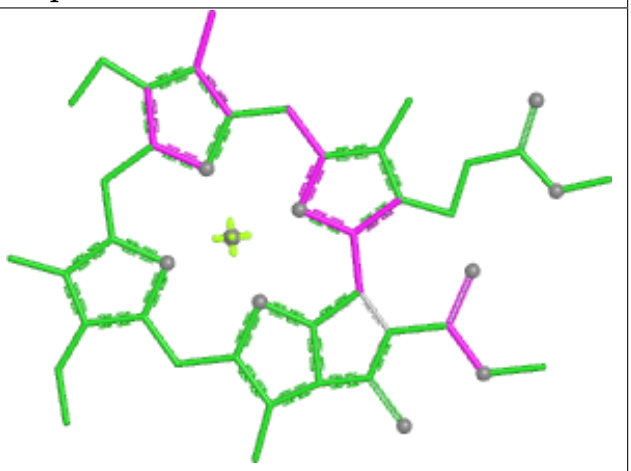
Ligand BCR B 4005	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA p 501	
 Bond lengths	 Bond angles
 Torsions	 Rings

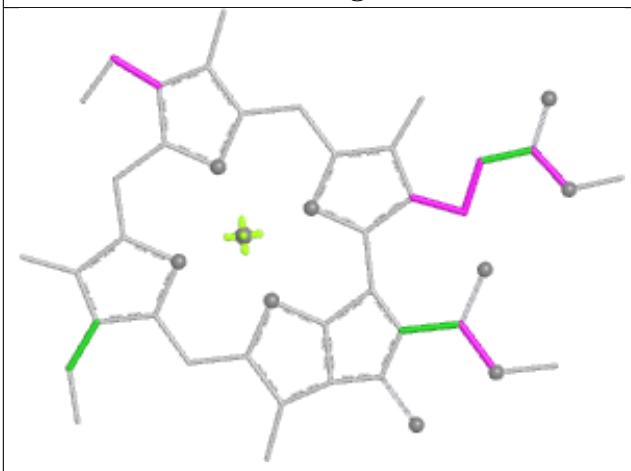
Ligand CLA p 516



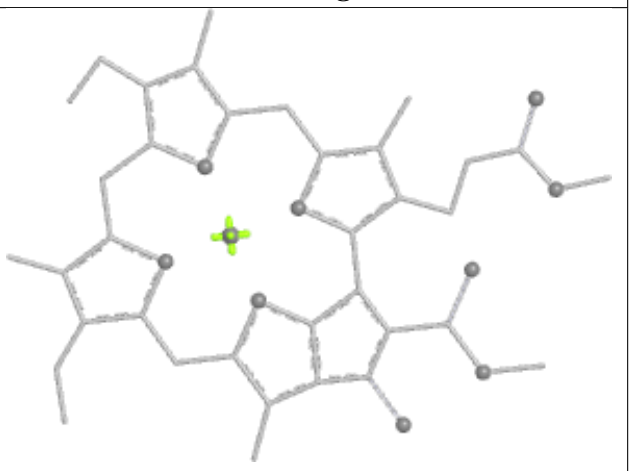
Bond lengths



Bond angles

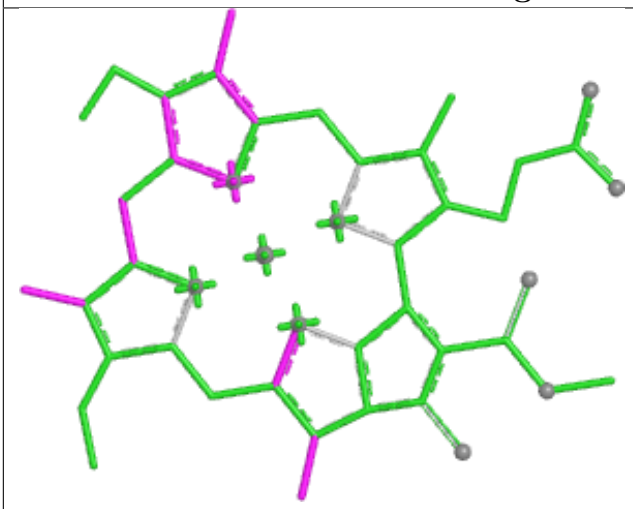


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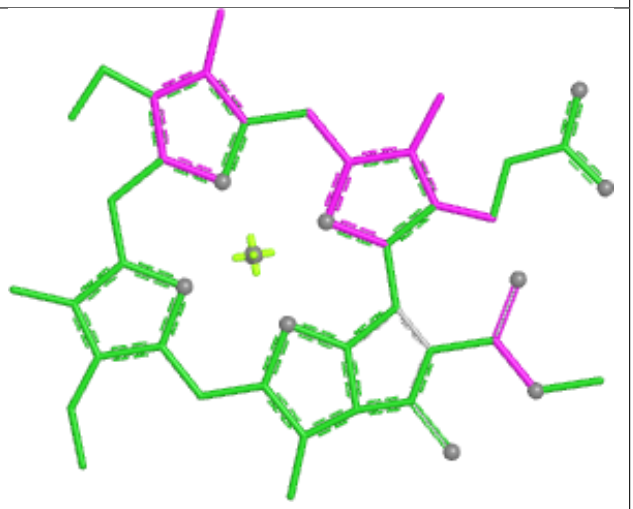


Rings

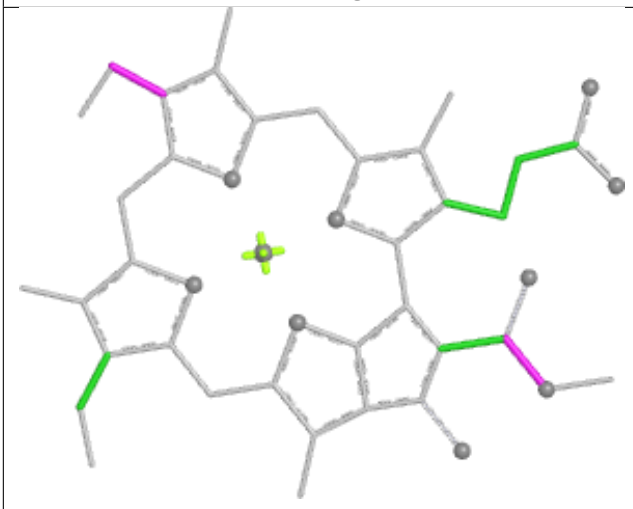
Ligand CLA G 1231



Bond lengths



Bond angles

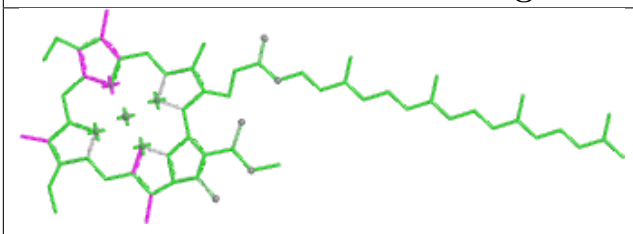


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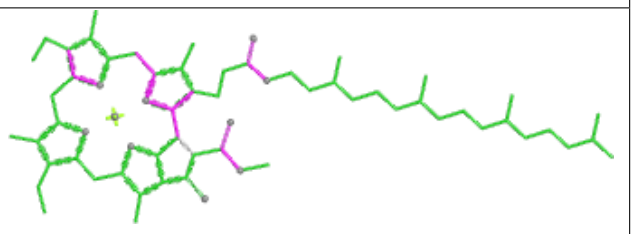


Rings

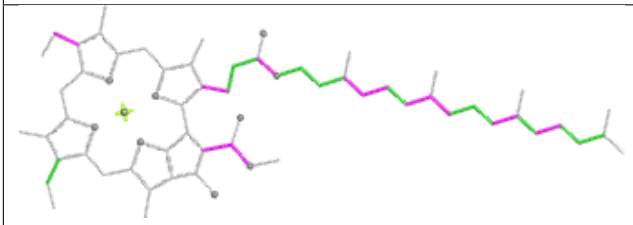
Ligand CLA B 1239



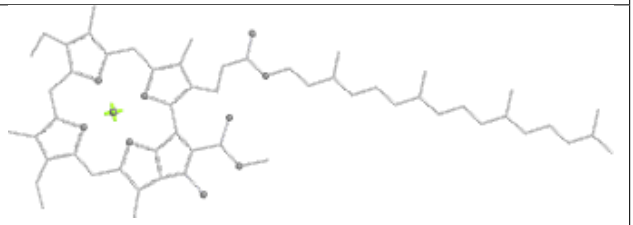
Bond lengths



Bond angles

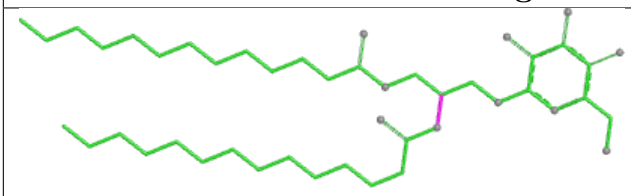


Torsions

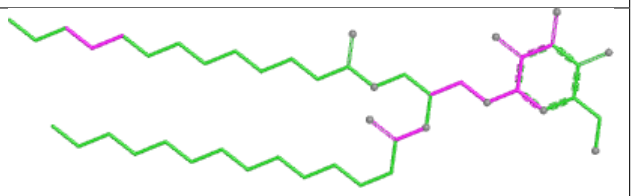


Rings

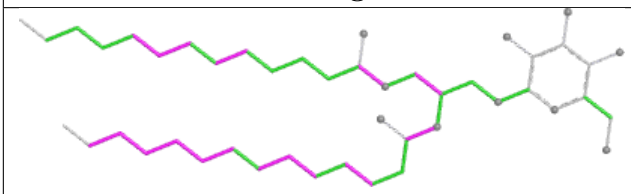
Ligand LMG a 4101



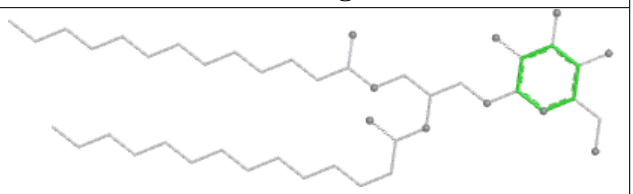
Bond lengths



Bond angles

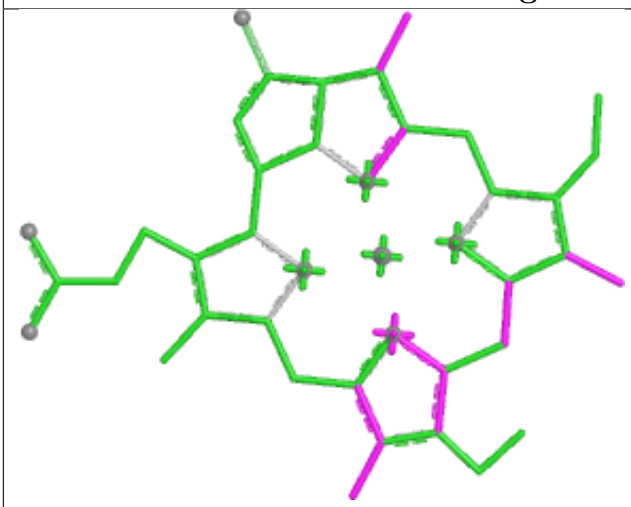


Torsions

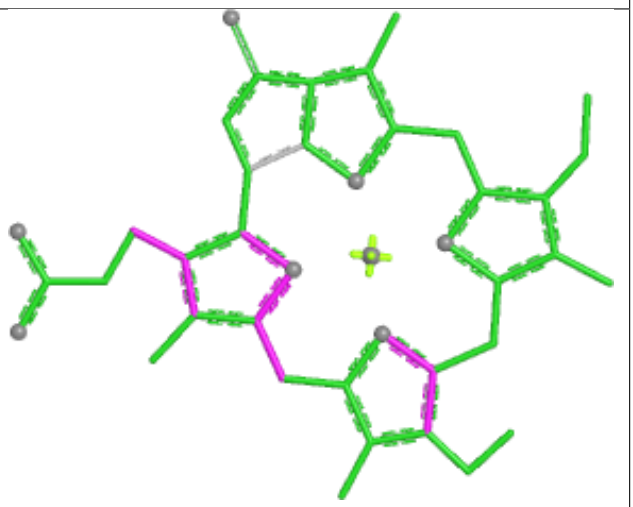


Rings

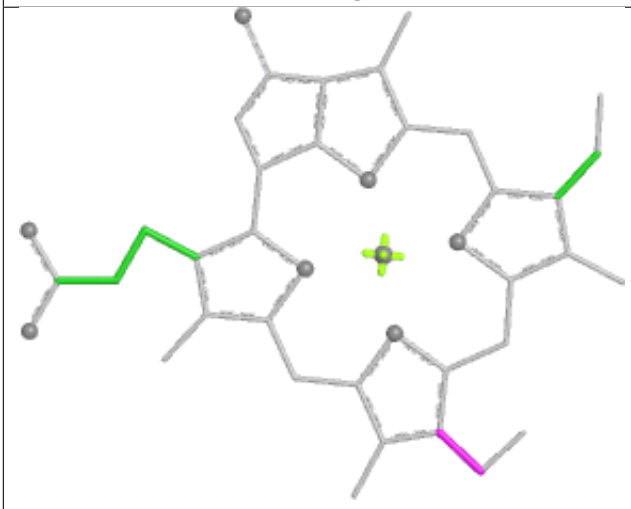
Ligand CLA a 1402



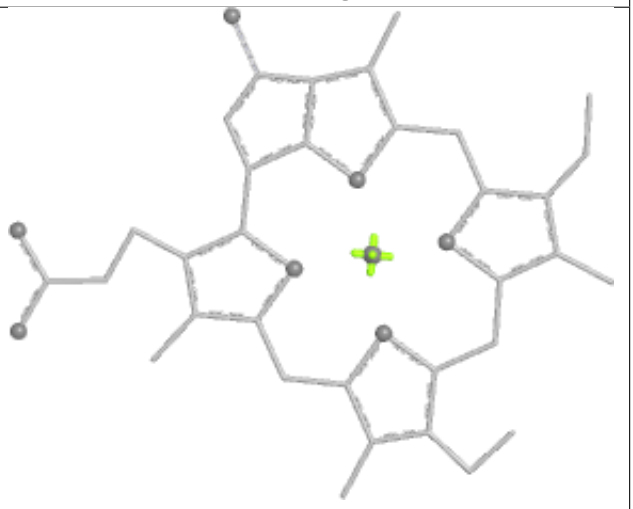
Bond lengths



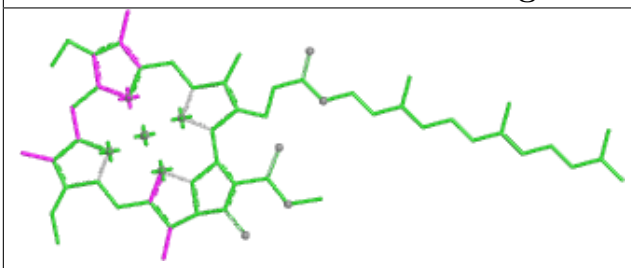
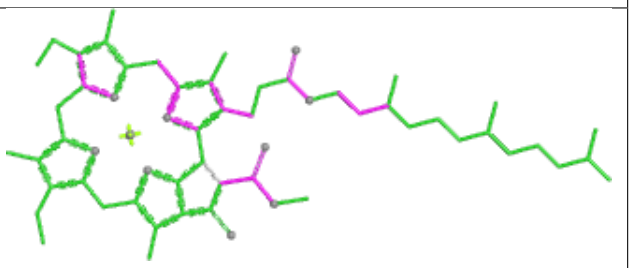
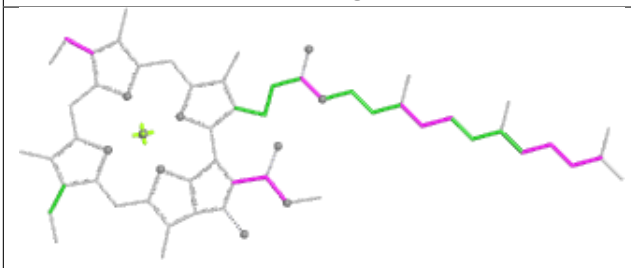
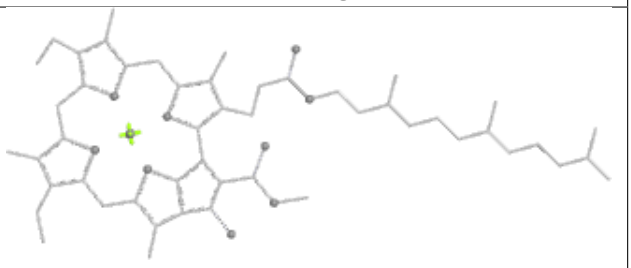
Bond angles

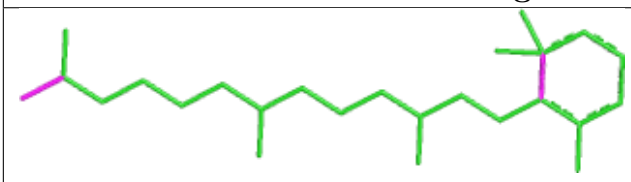
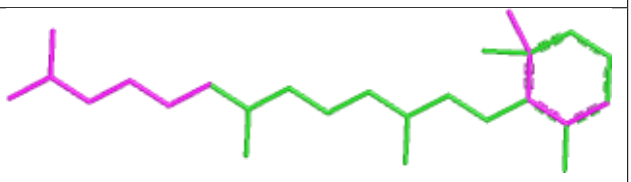
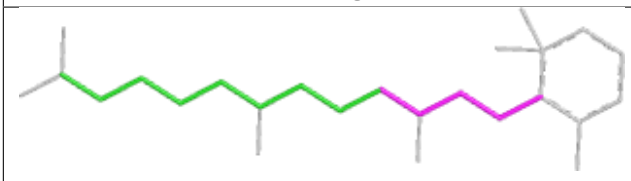
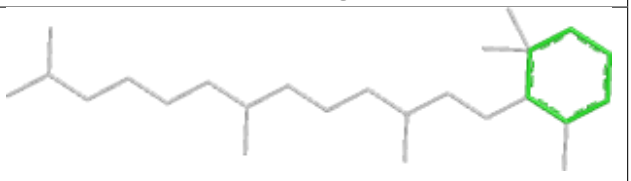


Torsions

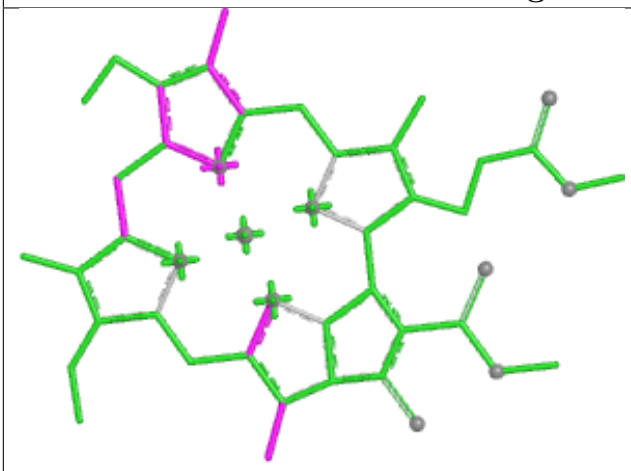


Rings

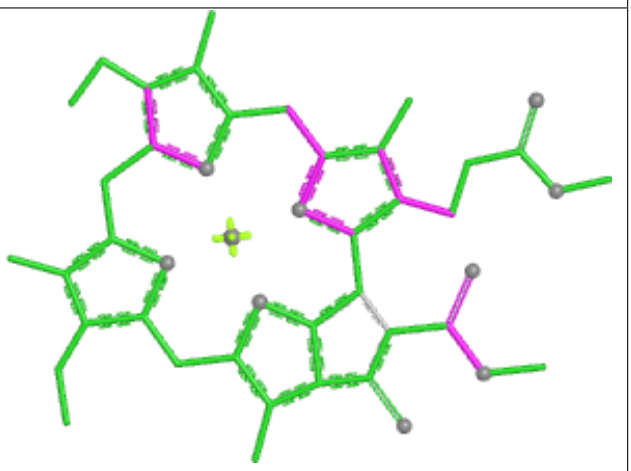
Ligand CLA W 506	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand BCR B 4006	
	
Bond lengths	Bond angles
	
Torsions	Rings

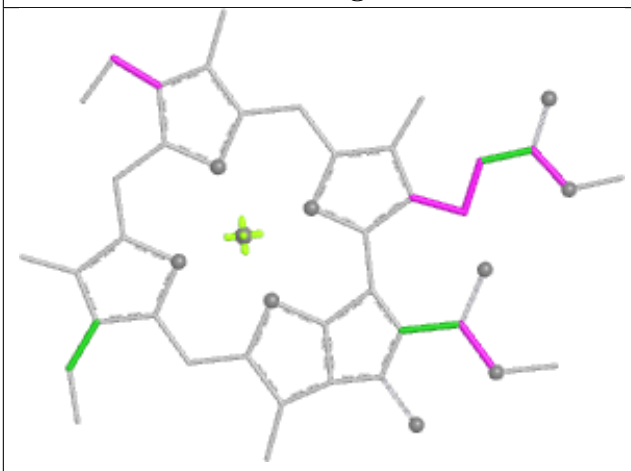
Ligand CLA h 501



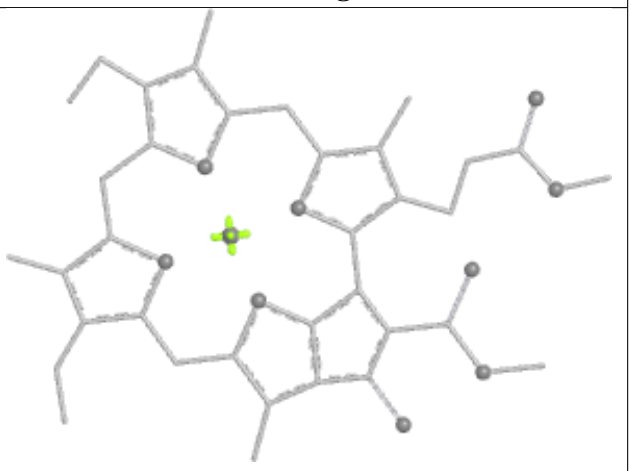
Bond lengths



Bond angles

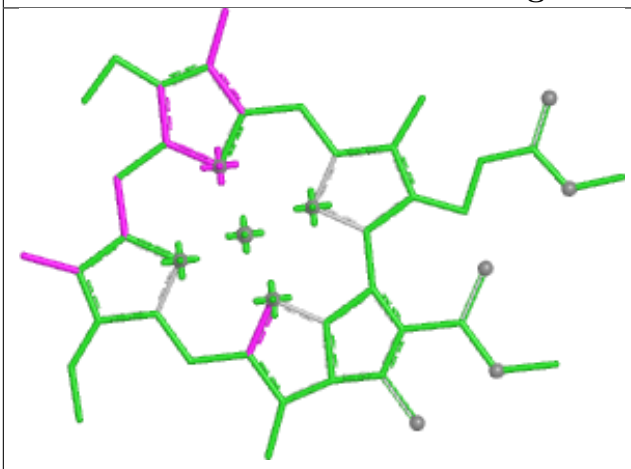


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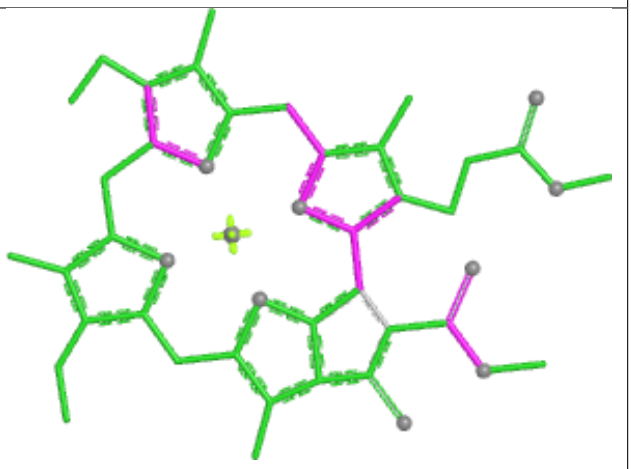


Rings

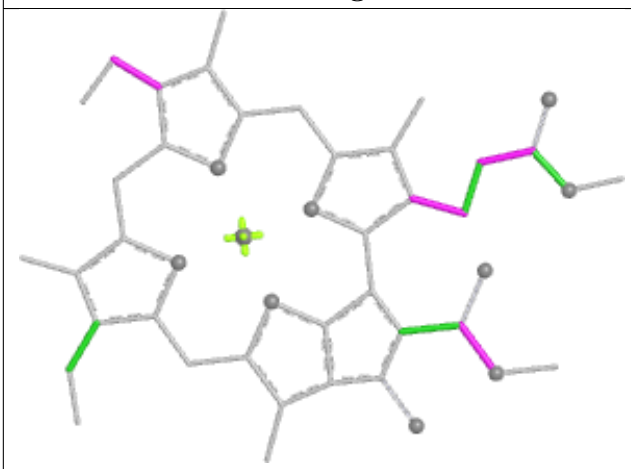
Ligand CLA h 516



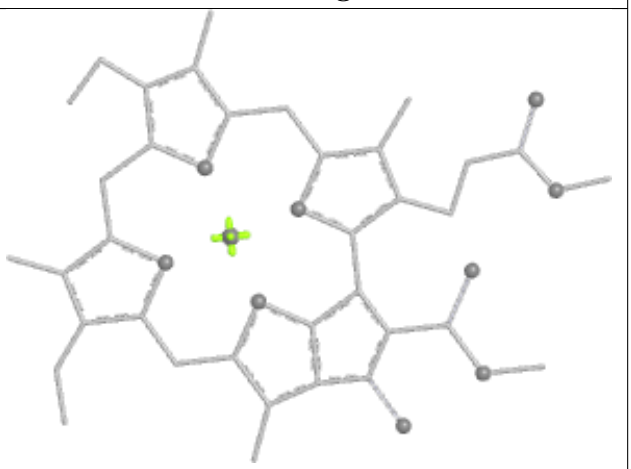
Bond lengths



Bond angles

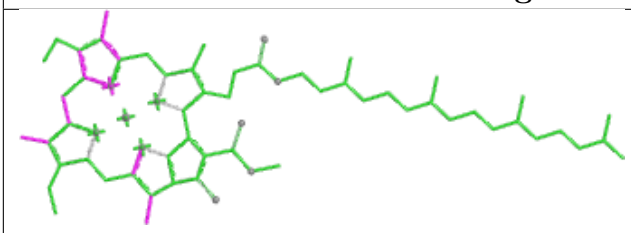


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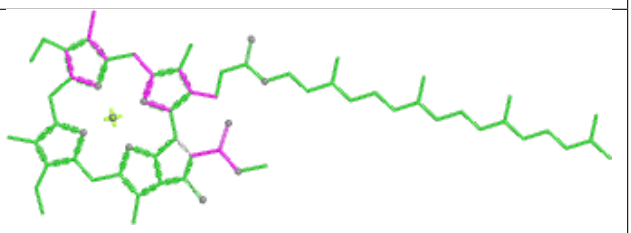


Rings

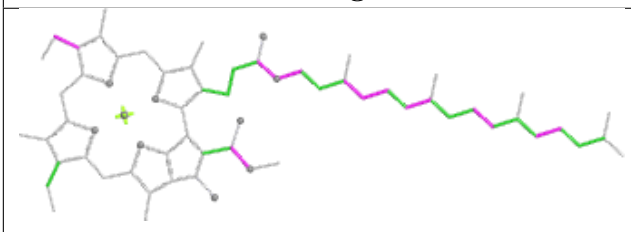
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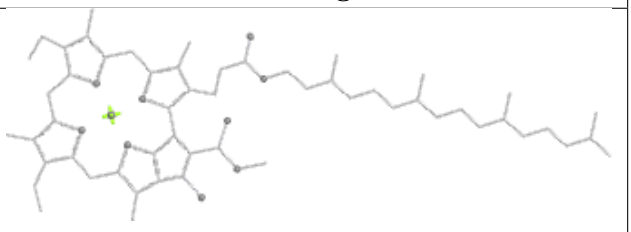
Bond lengths



Bond angles

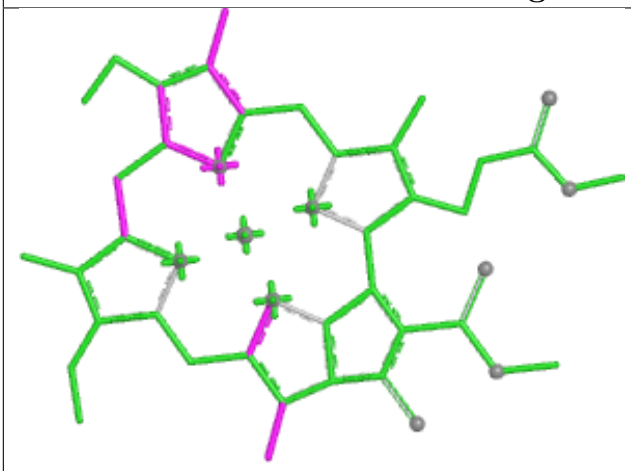


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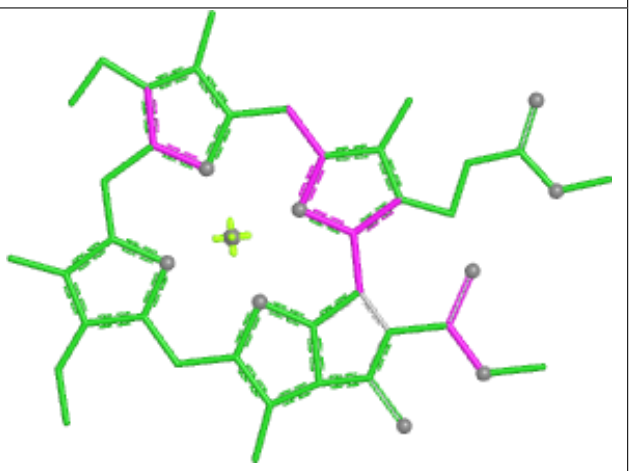


Rings

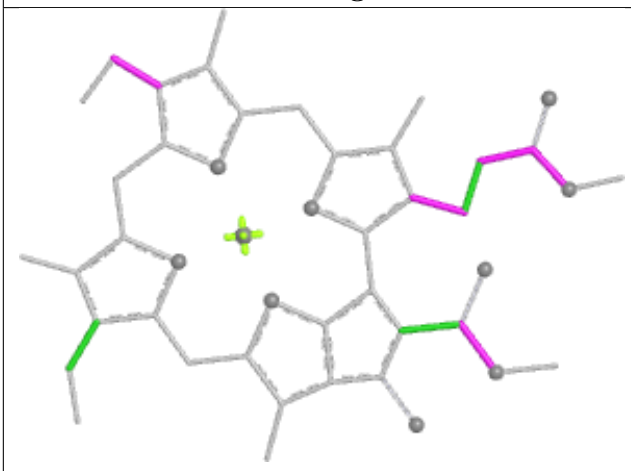
Ligand CLA o 516



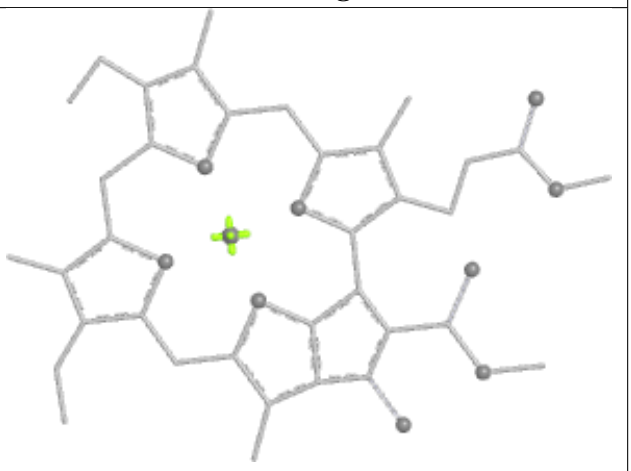
Bond lengths



Bond angles

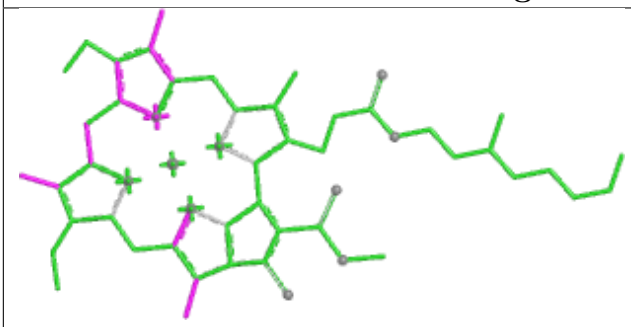


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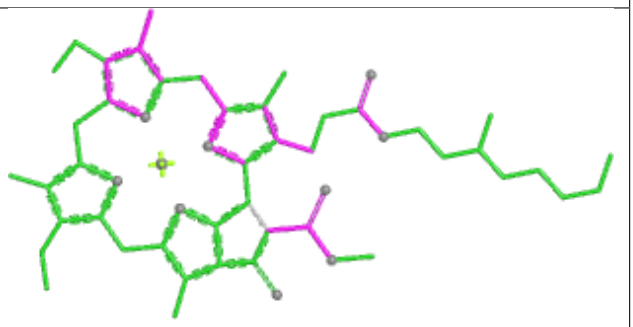


Rings

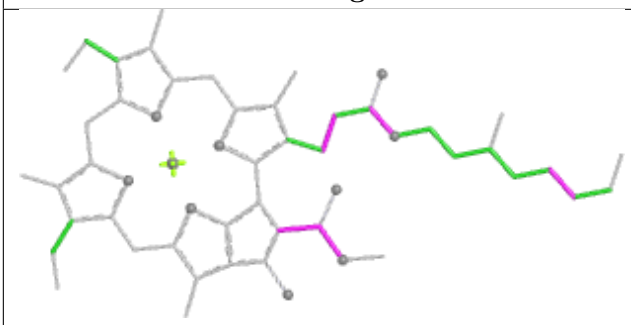
Ligand CLA G 1201



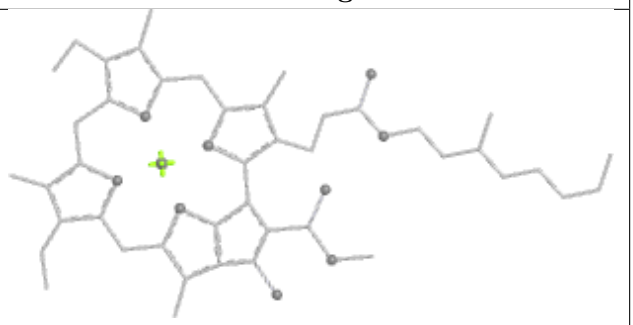
Bond lengths



Bond angles



Torsions

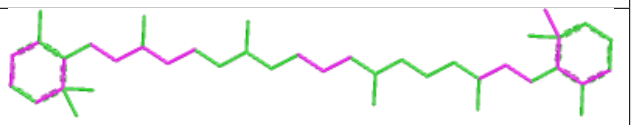


Rings

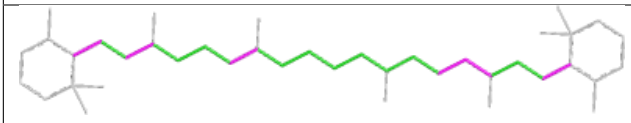
Ligand BCR Z 601



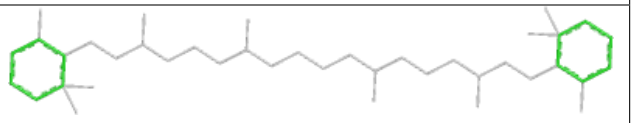
Bond lengths



Bond angles

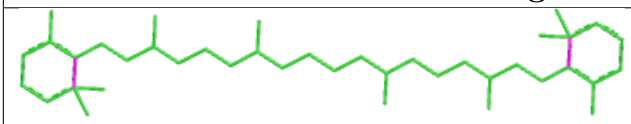


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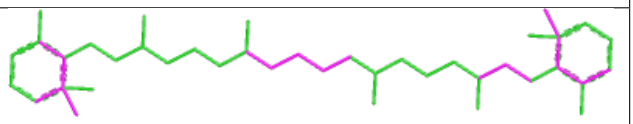


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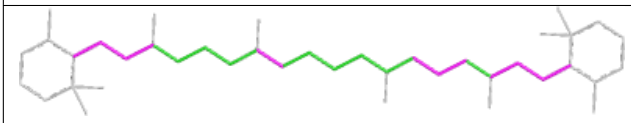
Ligand BCR r 602



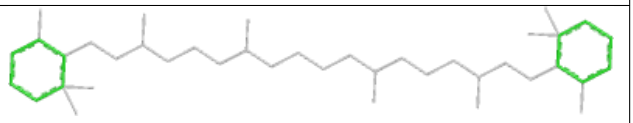
Bond lengths



Bond angles

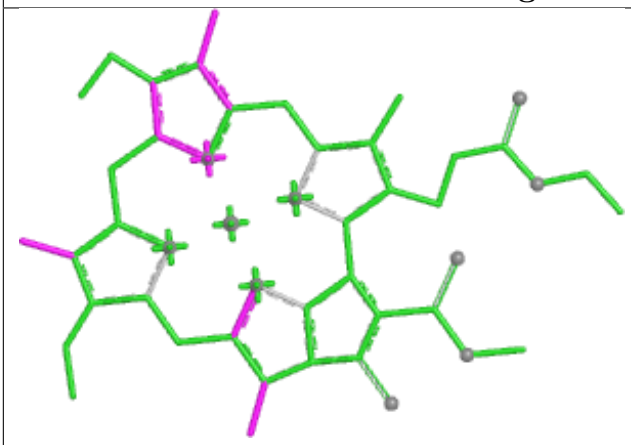


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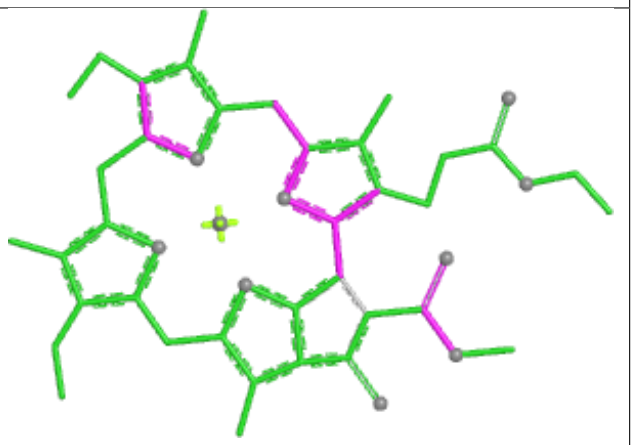


Rings

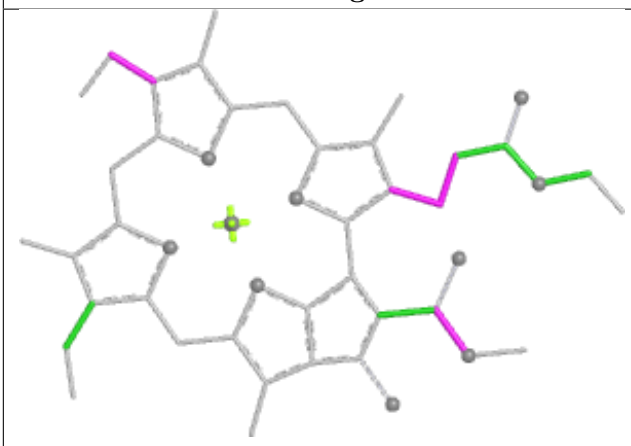
Ligand CLA b 1216



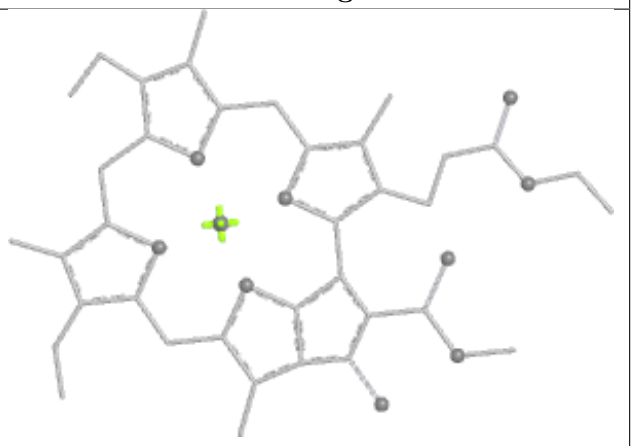
Bond lengths



Bond angles

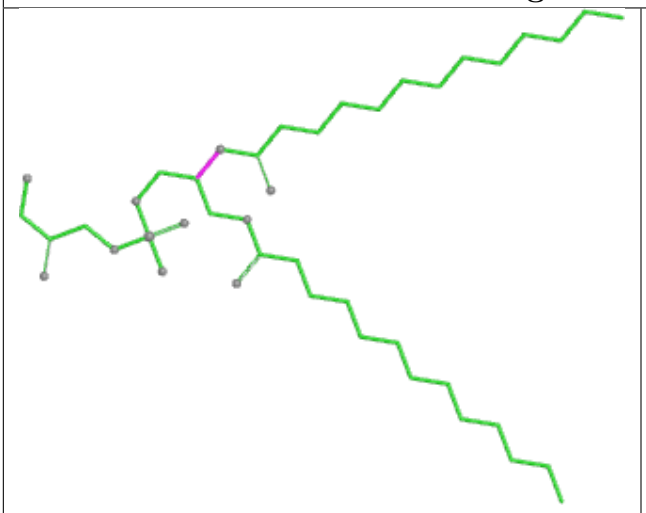


Torsions

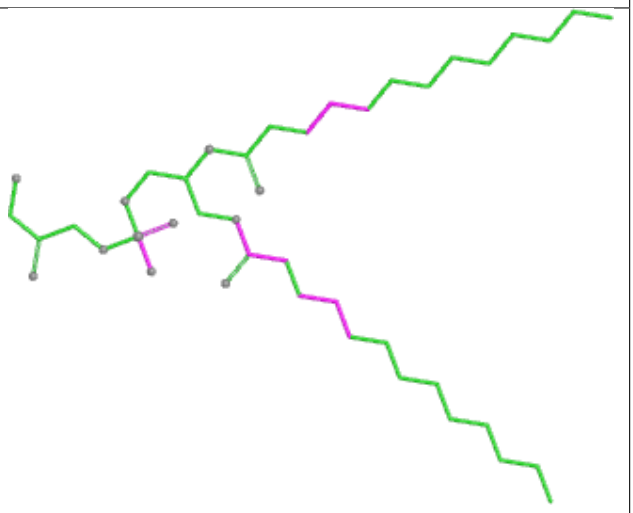


Rings

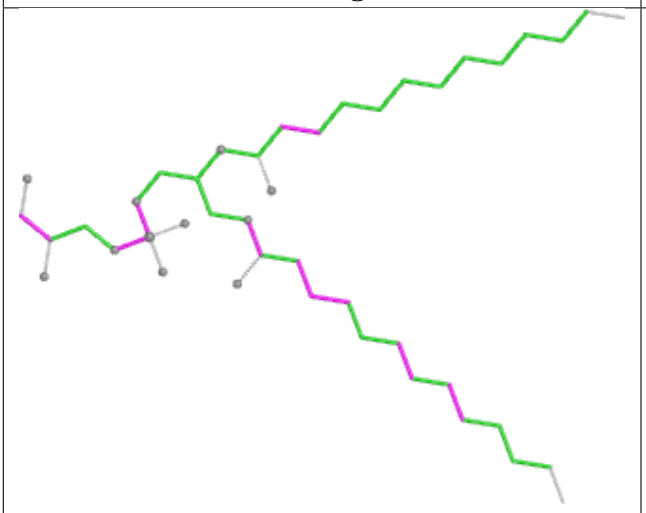
Ligand LHG a 849



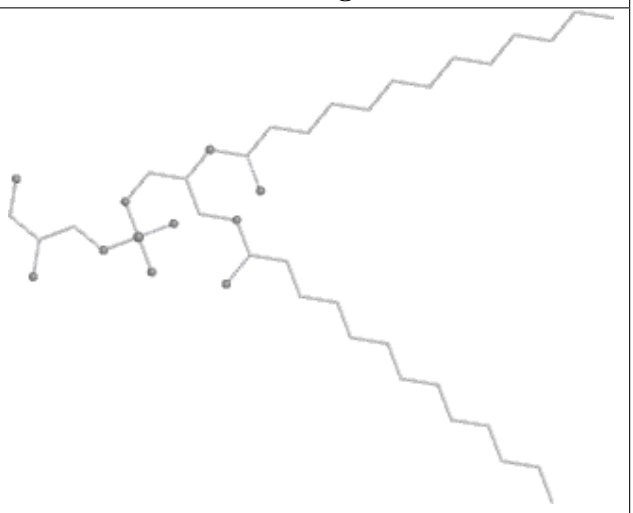
Bond lengths



Bond angles

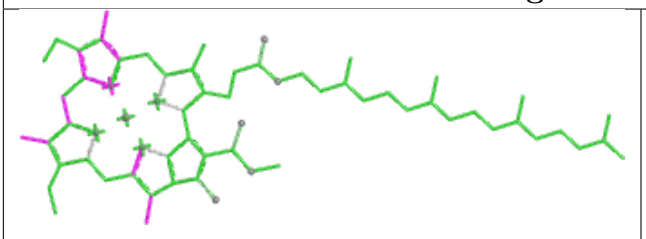


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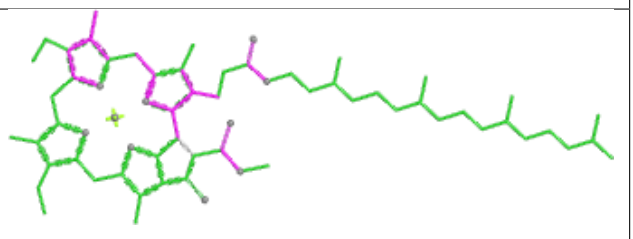


Rings

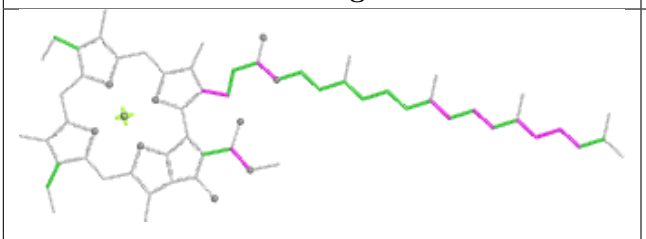
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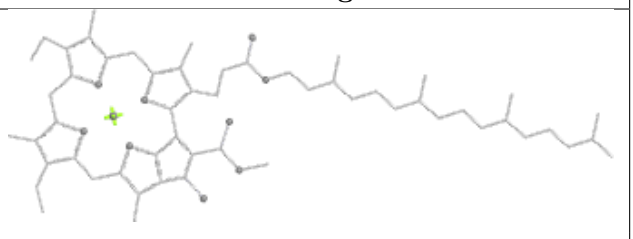
Bond lengths



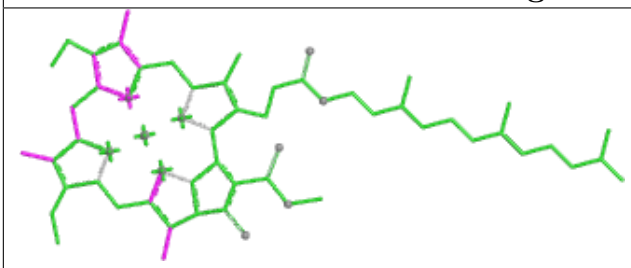
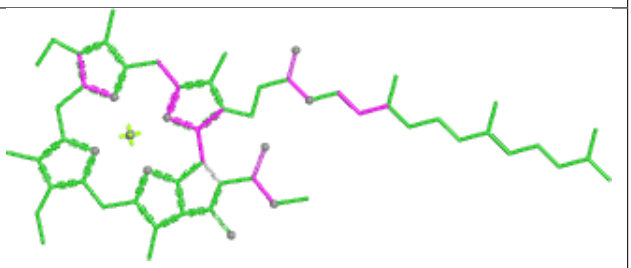
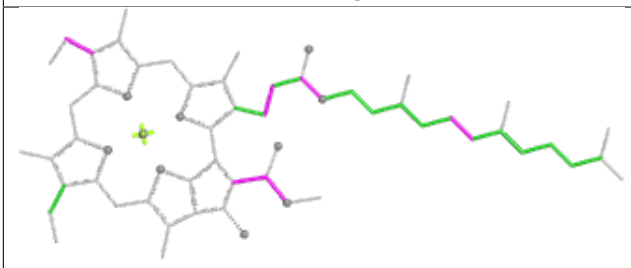
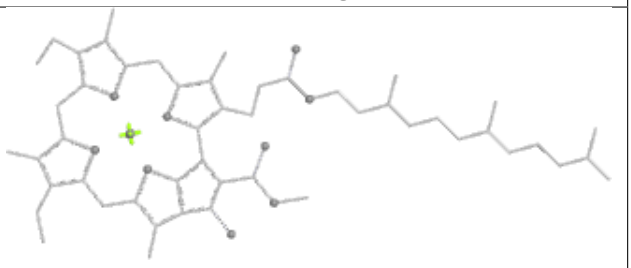
Bond angles

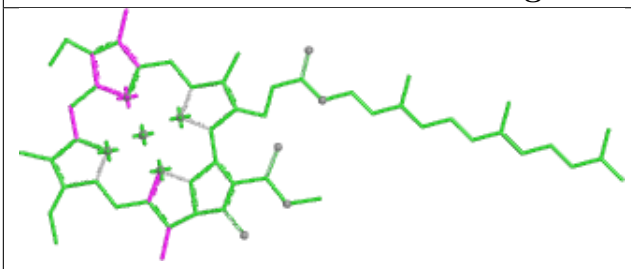
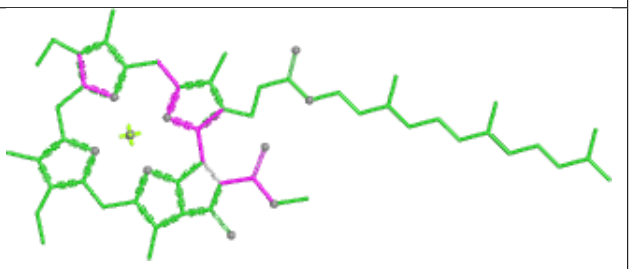
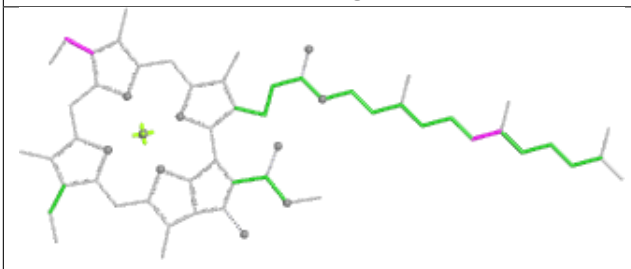
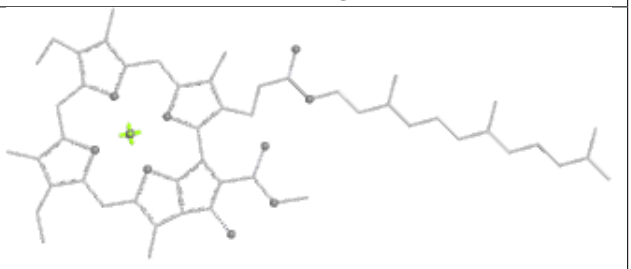


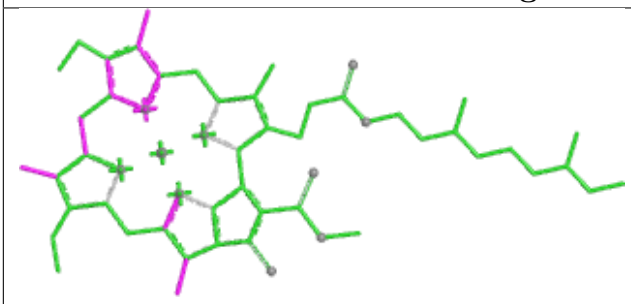
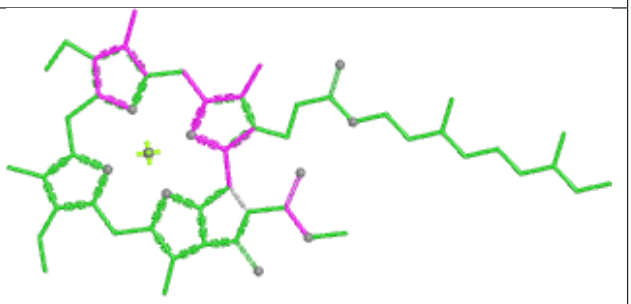
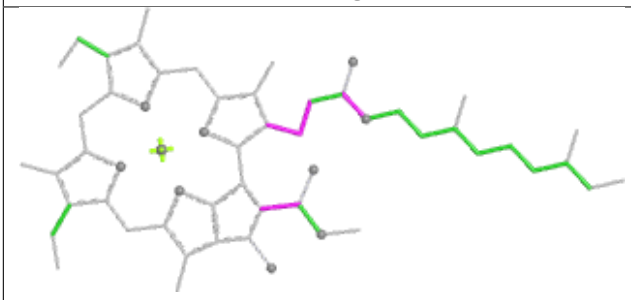
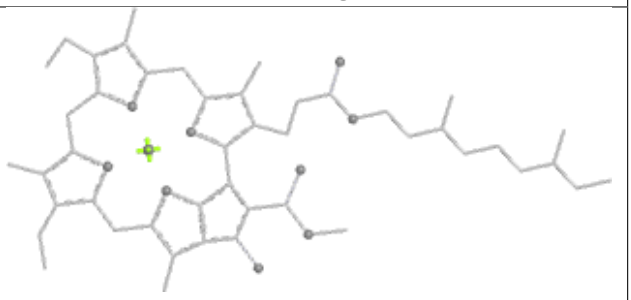
Torsions

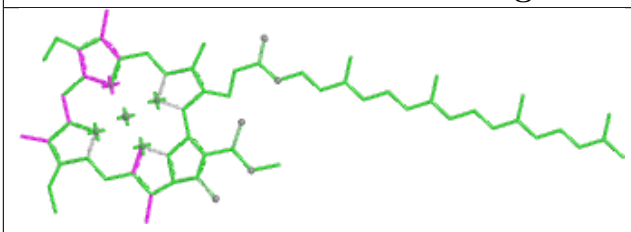
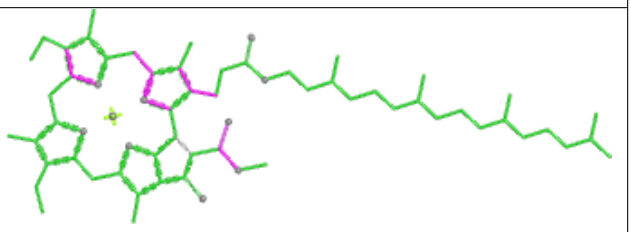
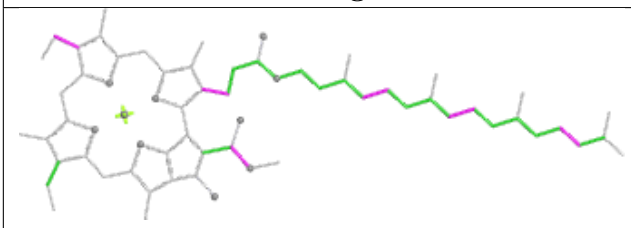
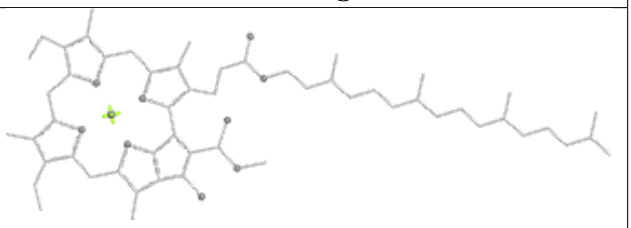


Rings

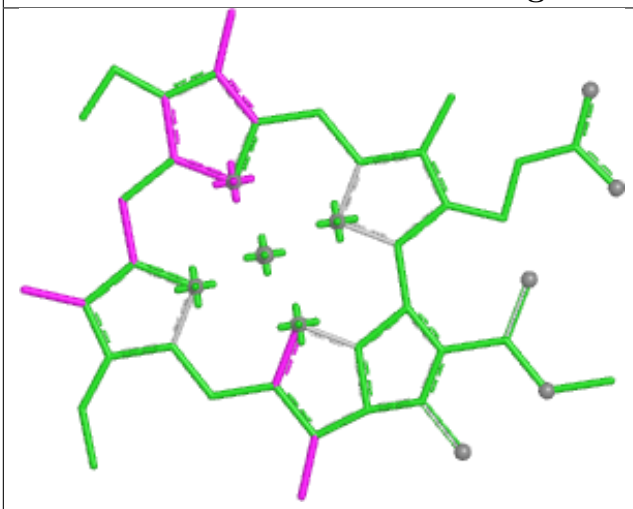
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Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA w 510	
	
Bond lengths	Bond angles
	
Torsions	Rings

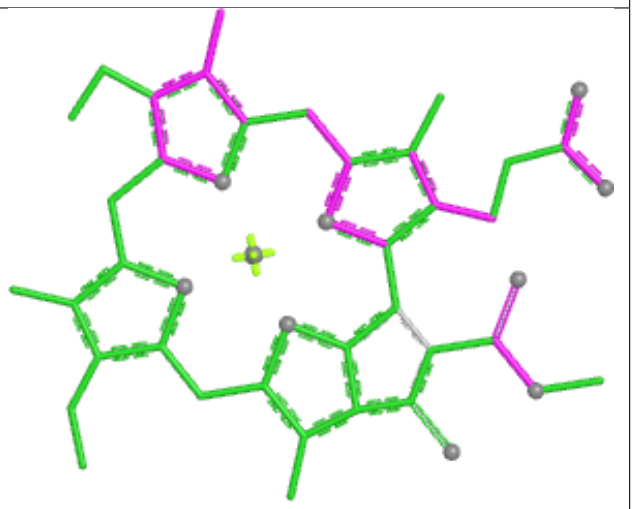
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Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA A 1104	
	
Bond lengths	Bond angles
	
Torsions	Rings

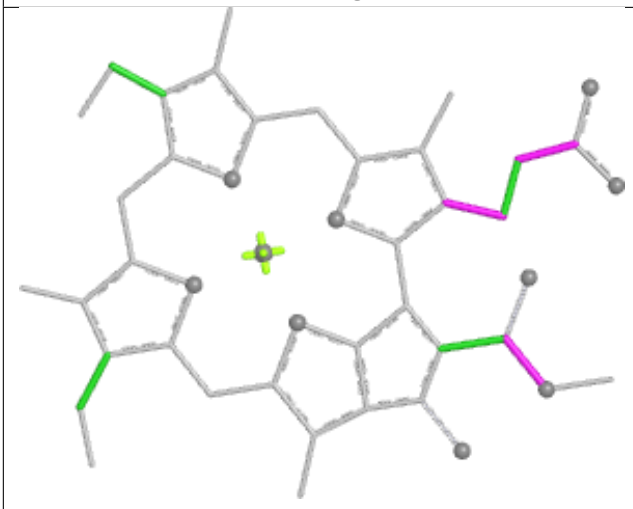
Ligand CLA u 512



Bond lengths



Bond angles

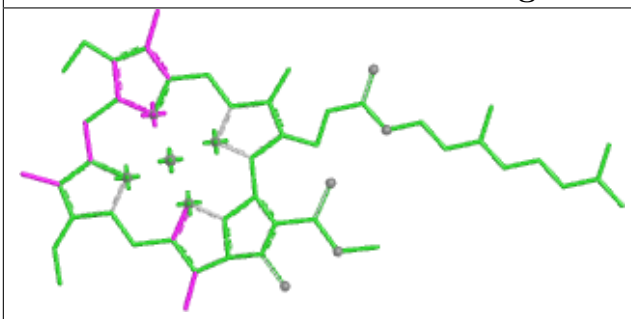


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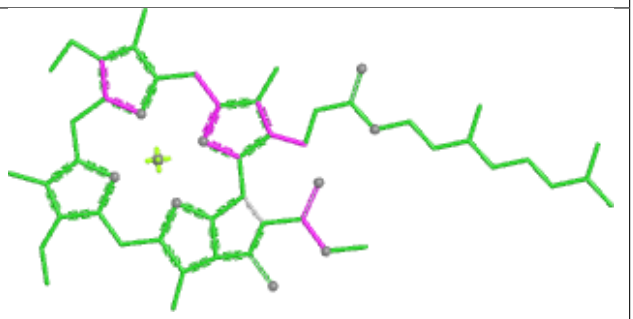


Rings

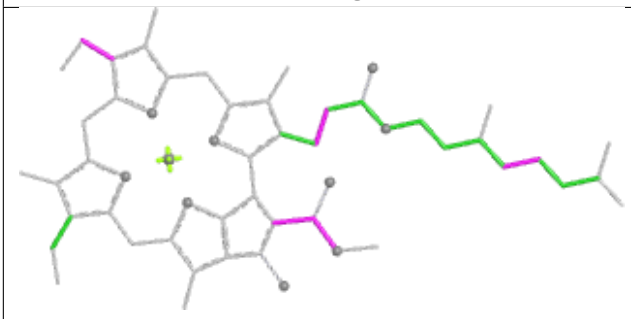
Ligand CLA b 1213



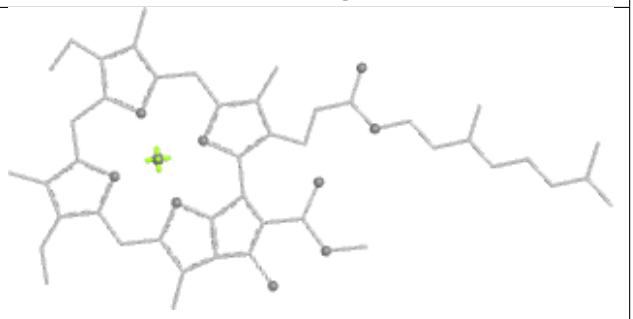
Bond lengths



Bond angles

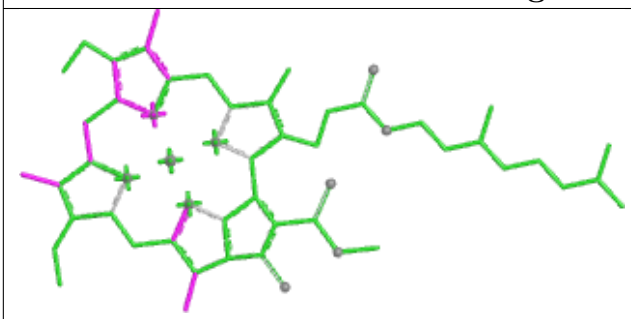


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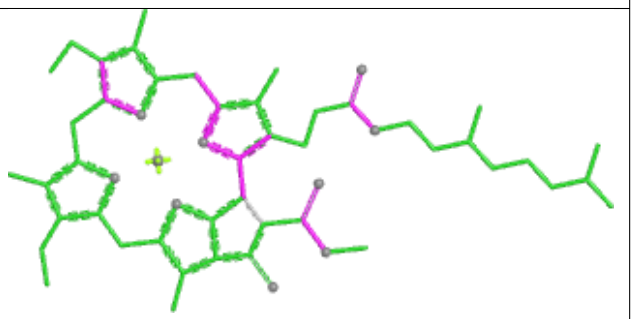


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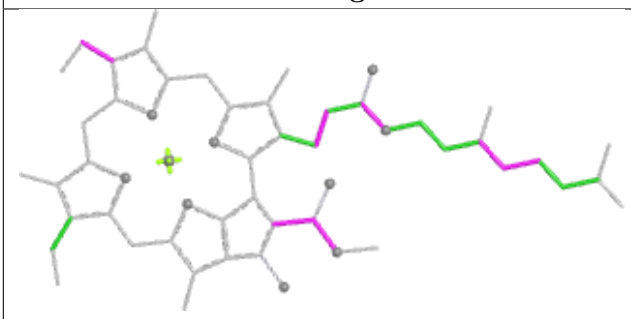
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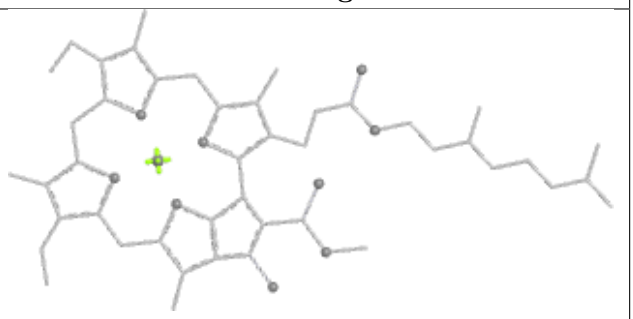
Bond lengths



Bond angles

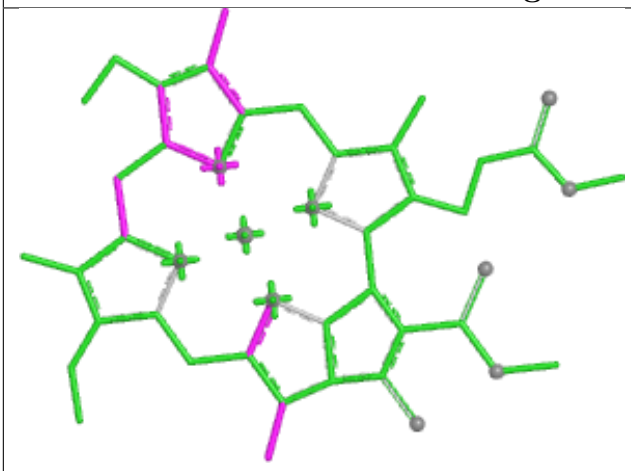


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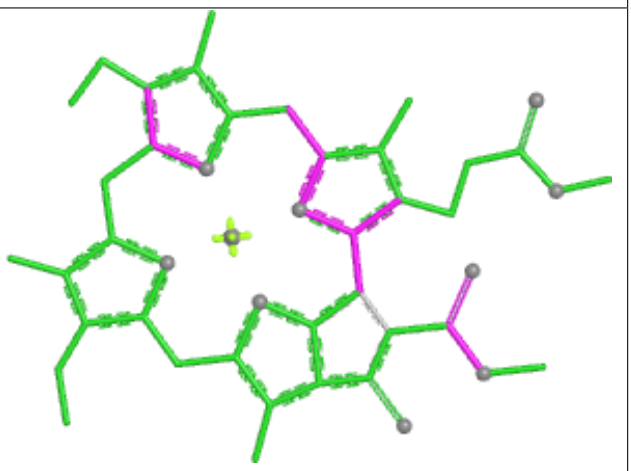


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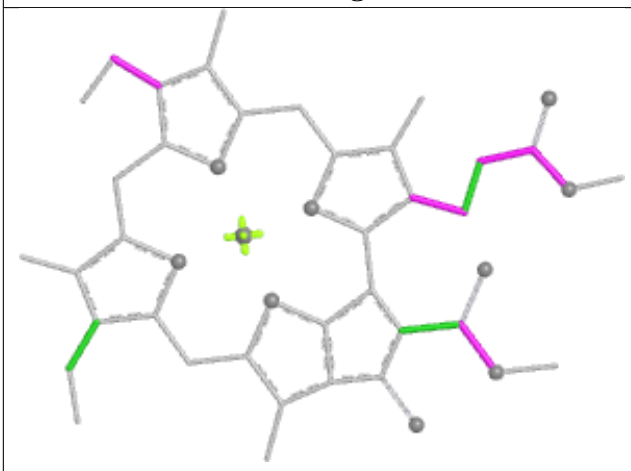
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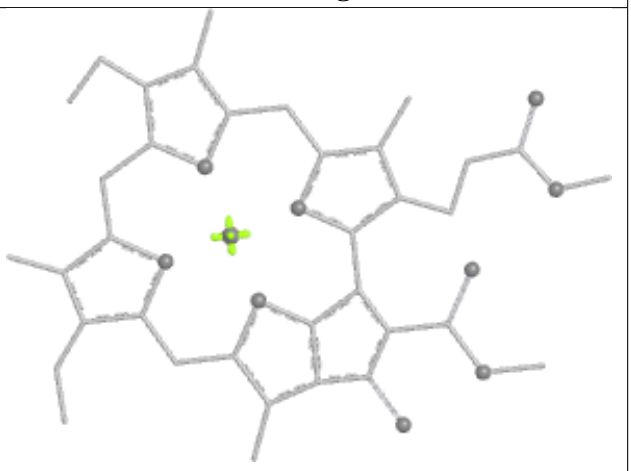
Bond lengths



Bond angles

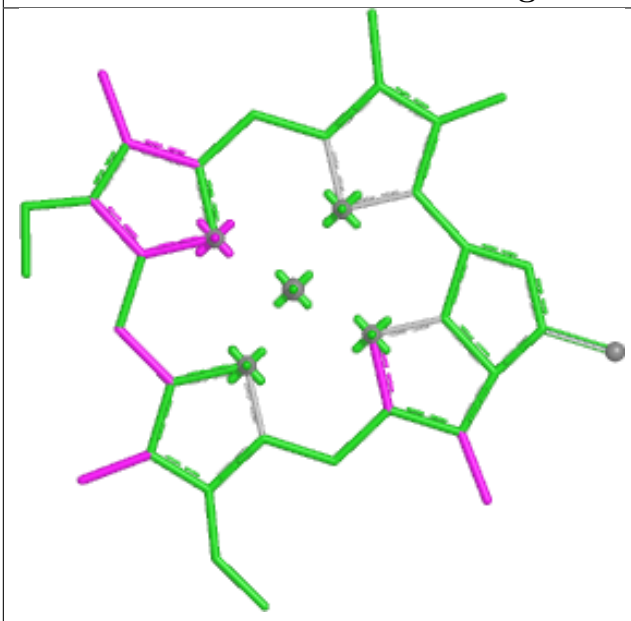


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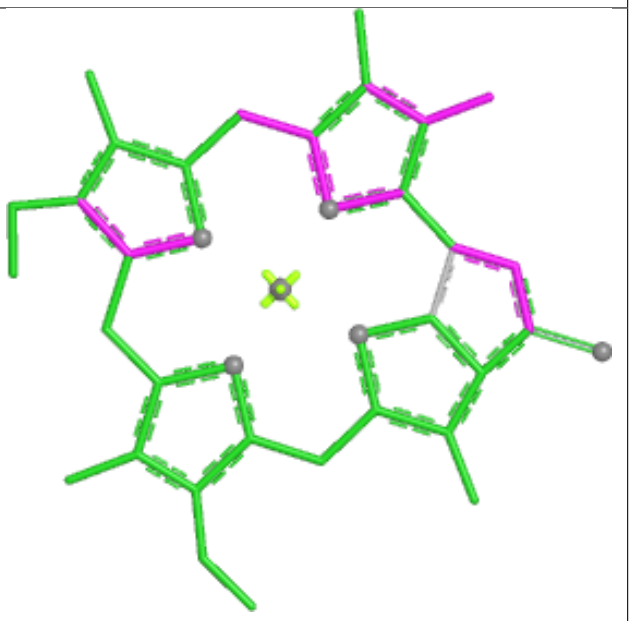


Rings

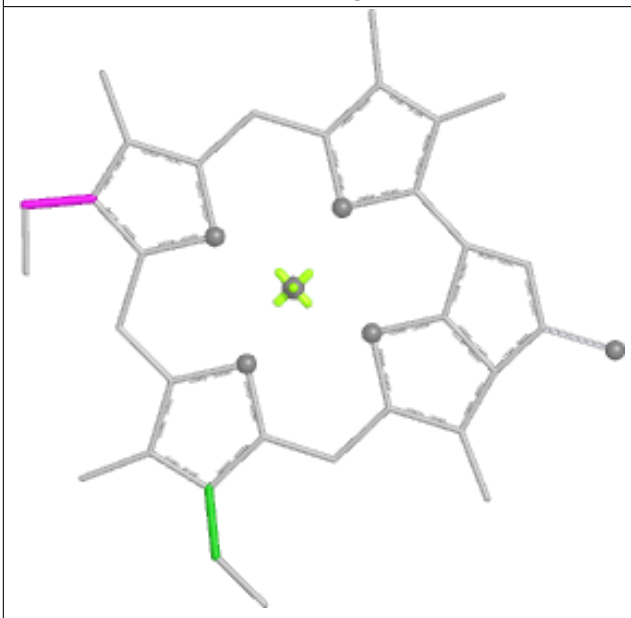
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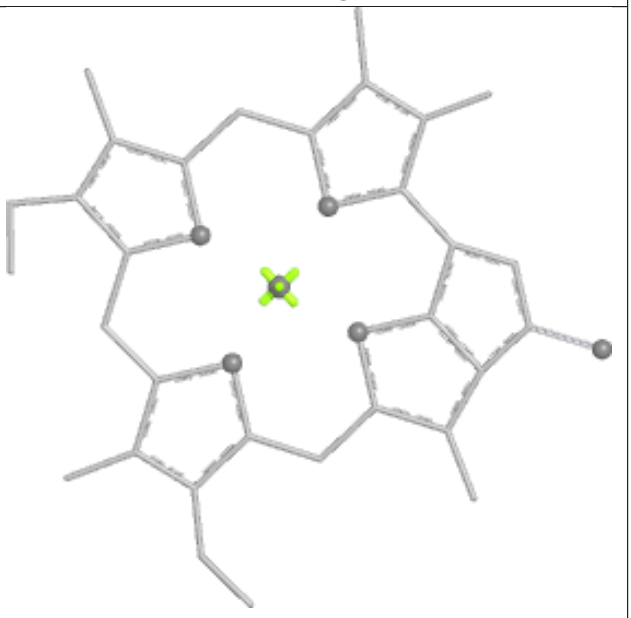
Bond lengths



Bond angles

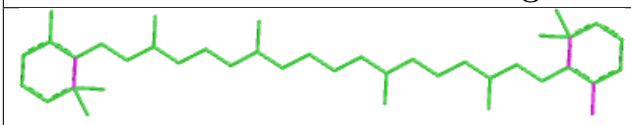


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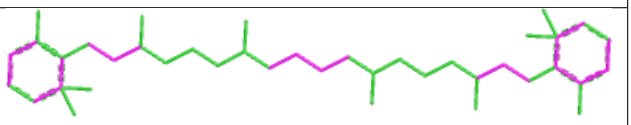


Rings

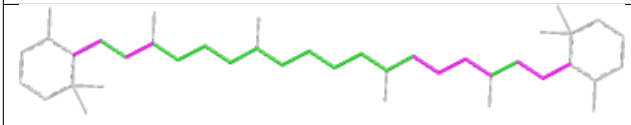
Ligand BCR X 601



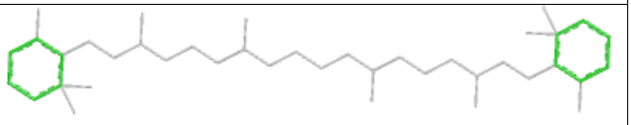
Bond lengths



Bond angles

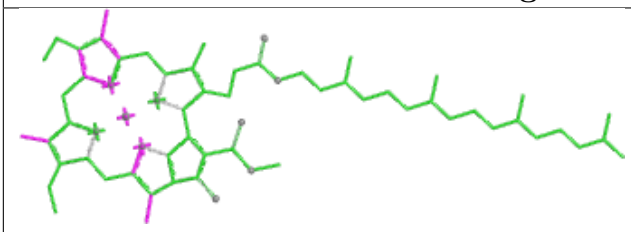


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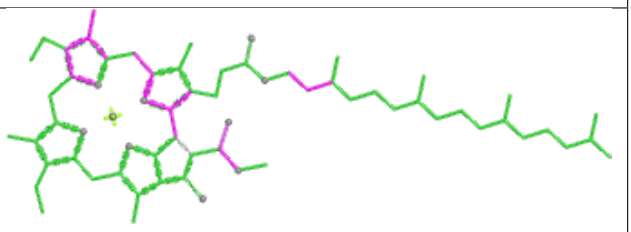


Rings

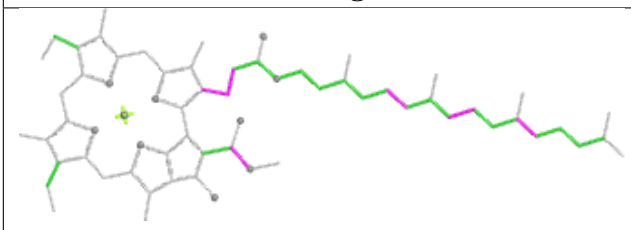
Ligand CLA a 1127



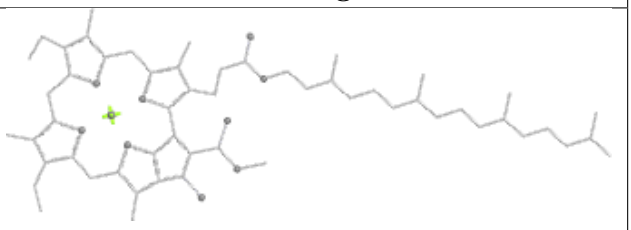
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Bond angles

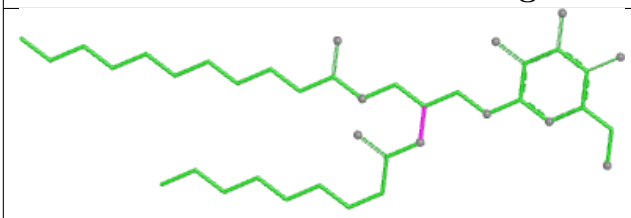


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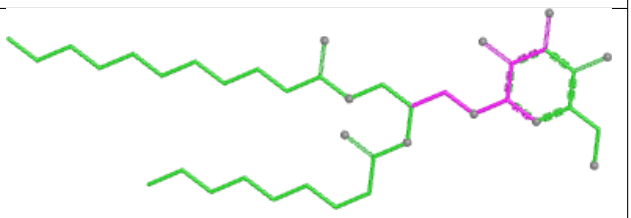


Rings

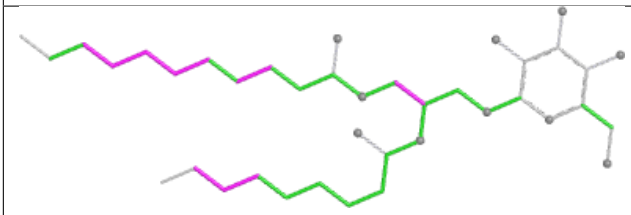
Ligand LMG Y 701



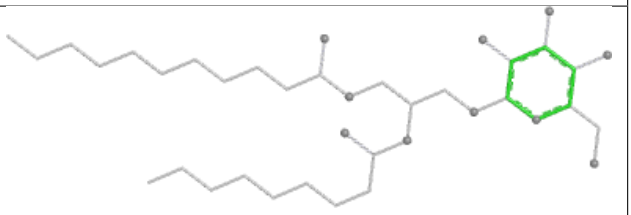
Bond lengths



Bond angles

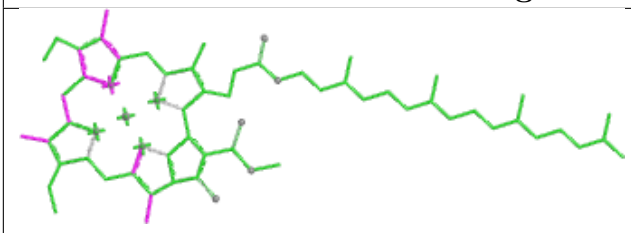


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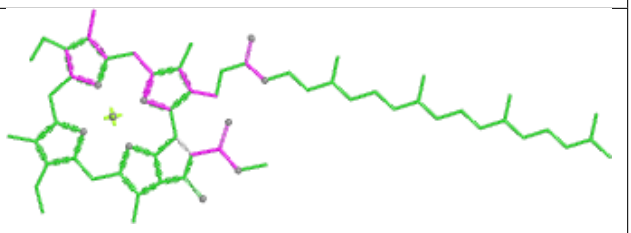


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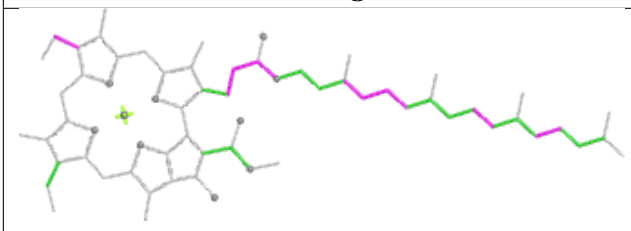
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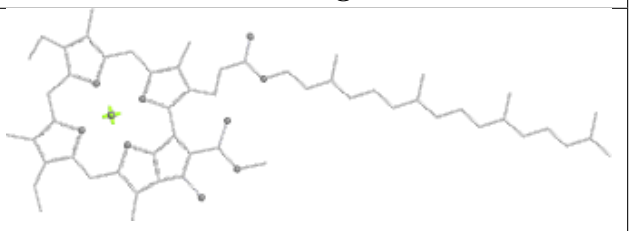
Bond lengths



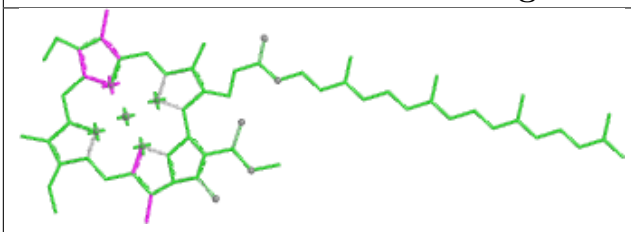
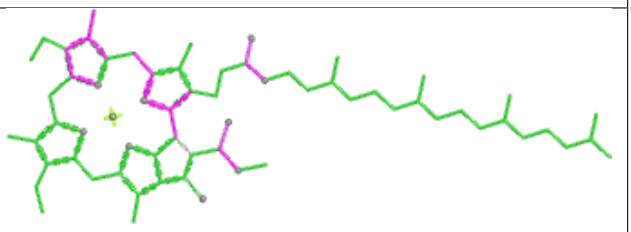
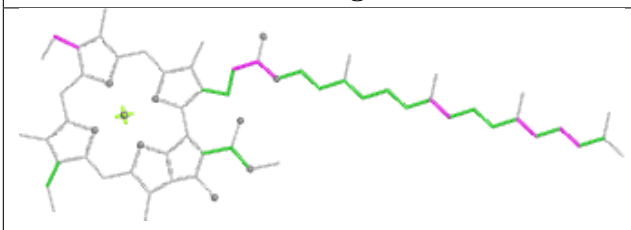
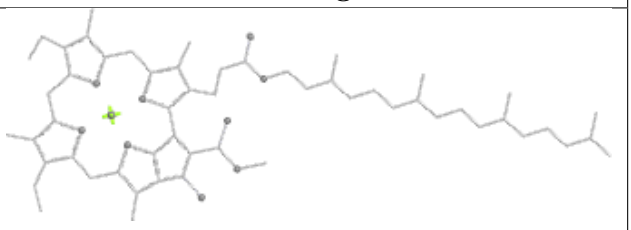
Bond angles

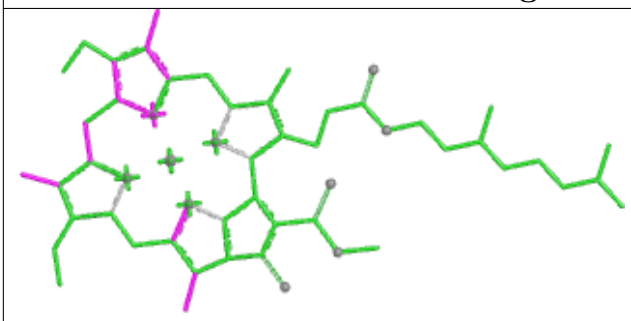
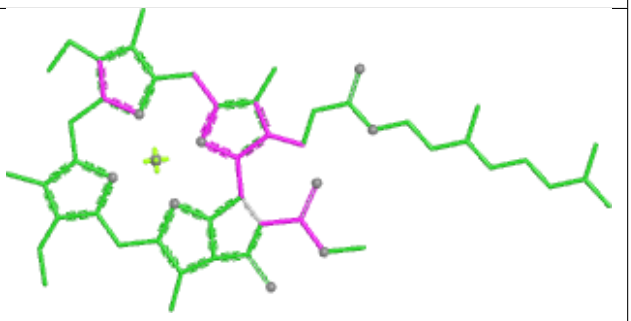
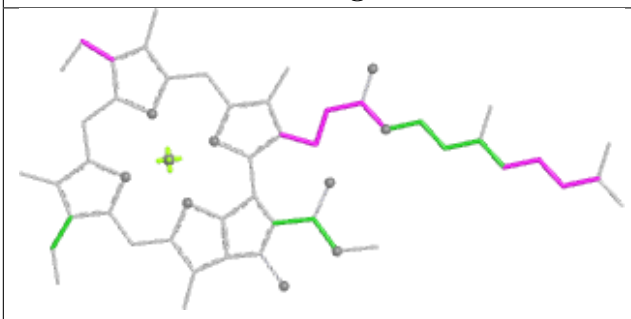
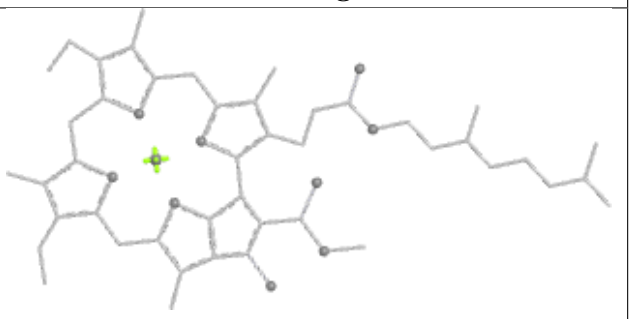


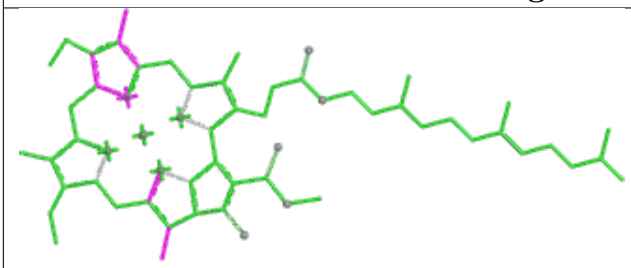
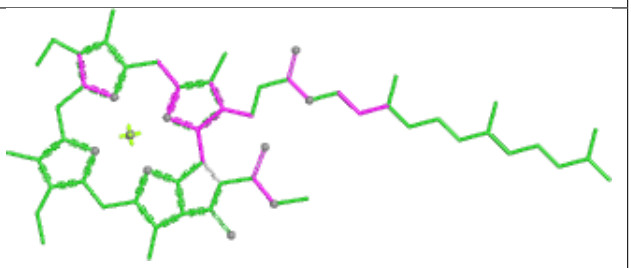
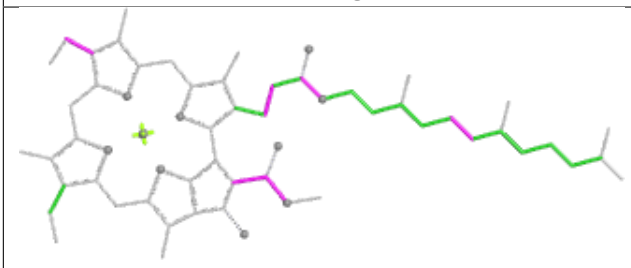
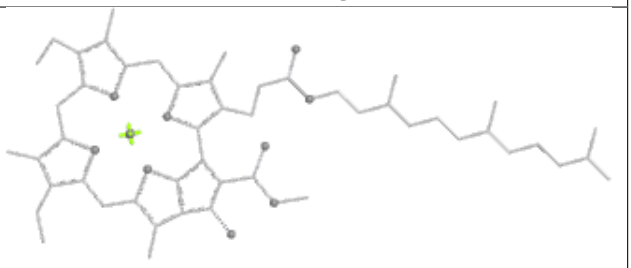
Torsions

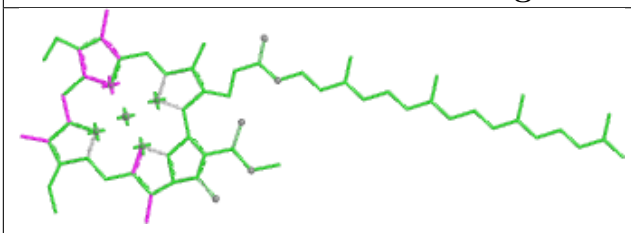
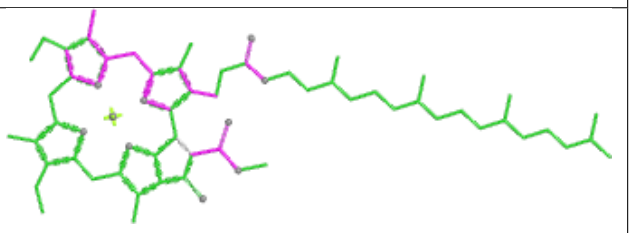
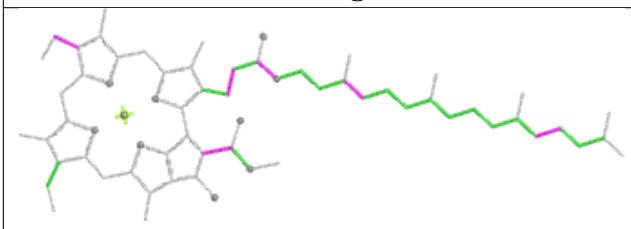
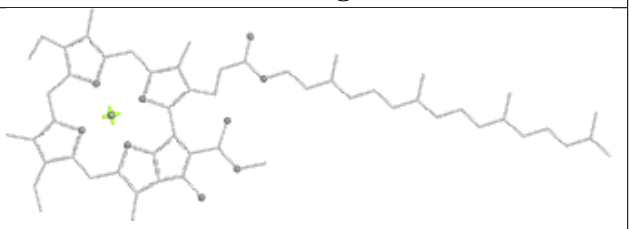


Rings

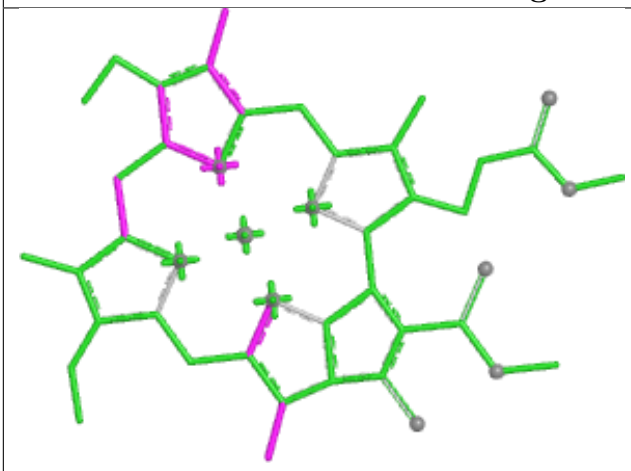
Ligand CLA W 510	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA a 1111	
 Bond lengths	 Bond angles
 Torsions	 Rings

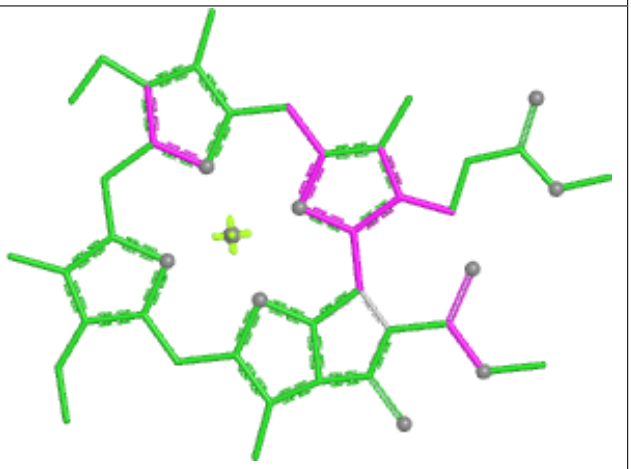
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Bond lengths	**Bond angles**
	
Torsions	**Rings**

Ligand CLA H 1136	
	
Bond lengths	**Bond angles**
	
Torsions	**Rings**

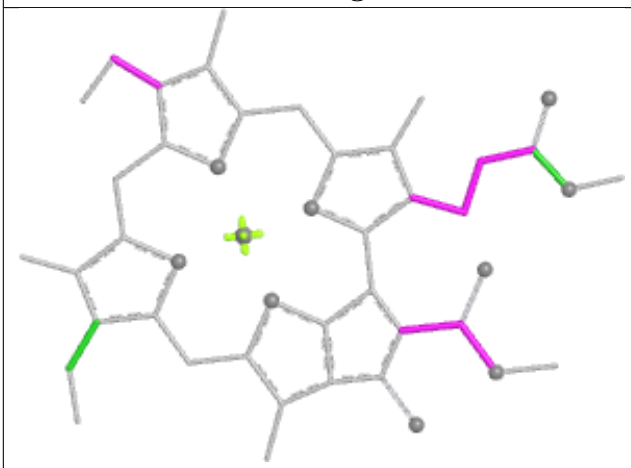
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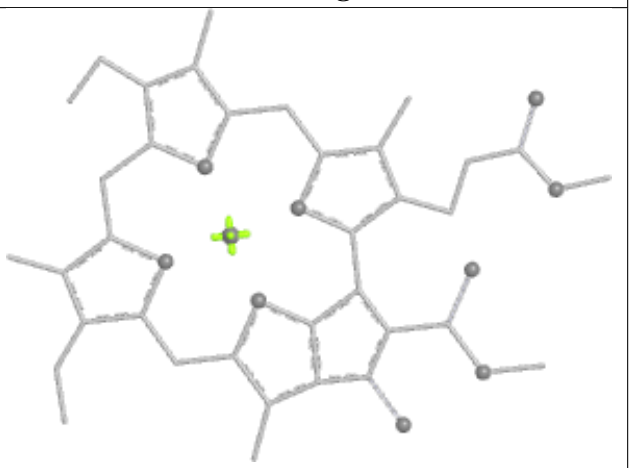
Bond lengths



Bond angles

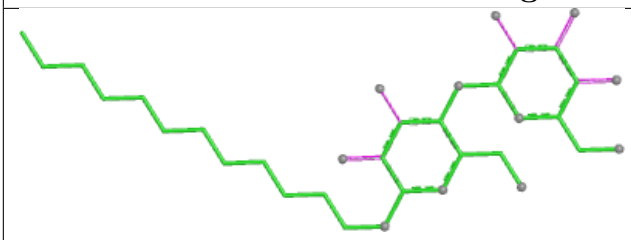


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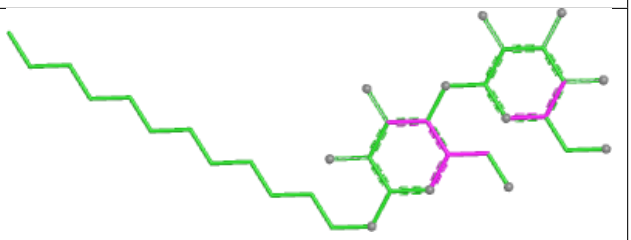


Rings

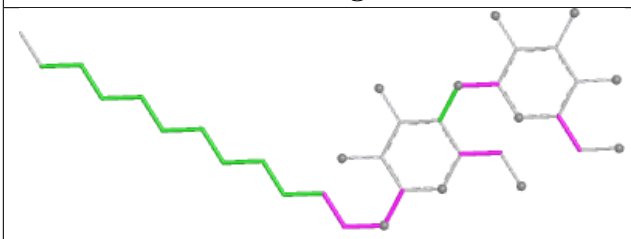
Ligand LMT l 4101



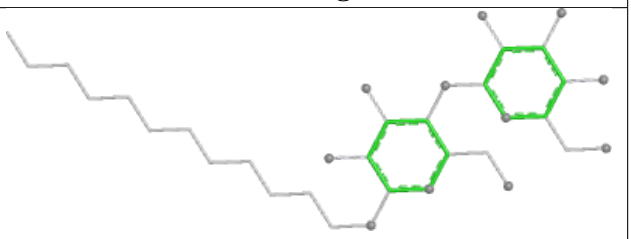
Bond lengths



Bond angles

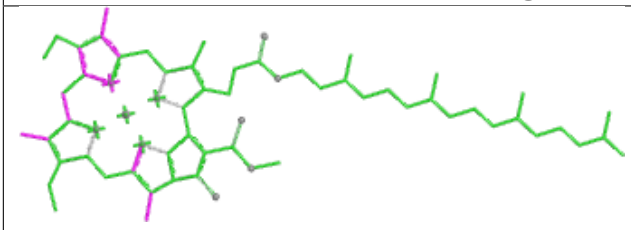


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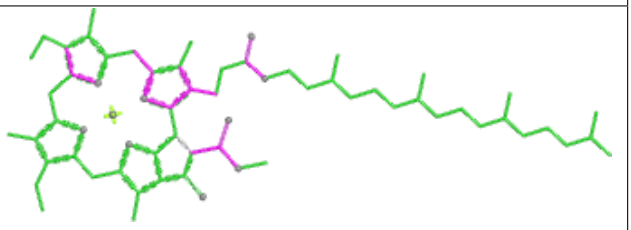


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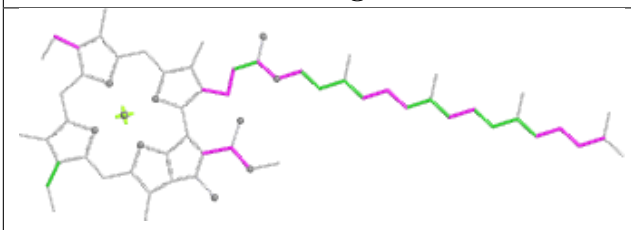
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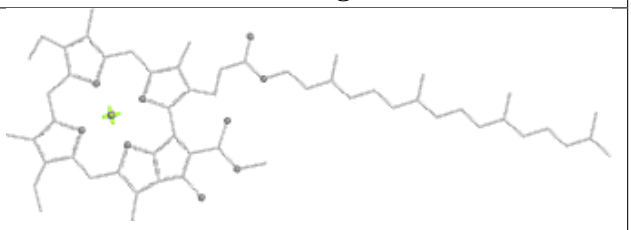
Bond lengths



Bond angles

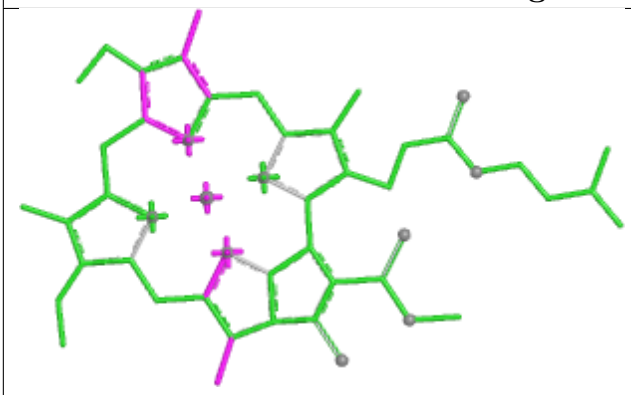


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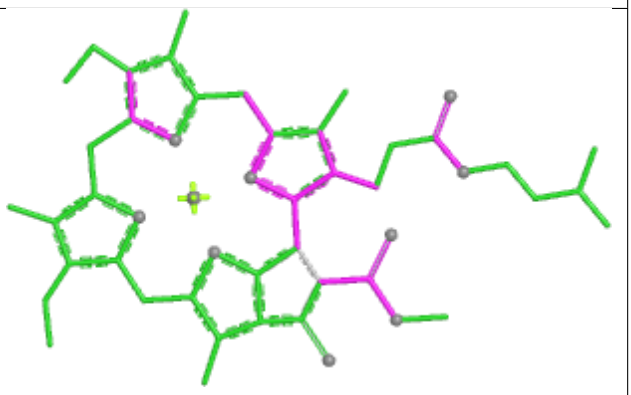


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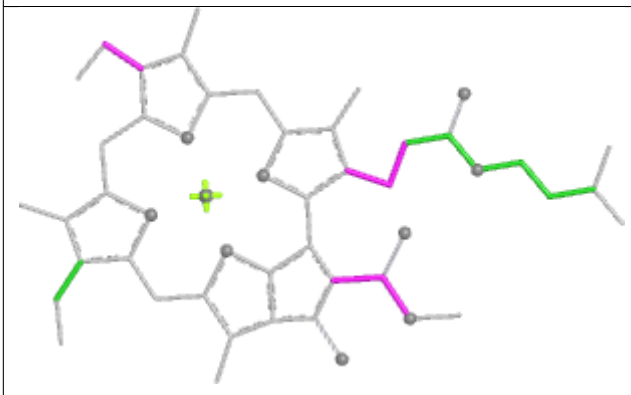
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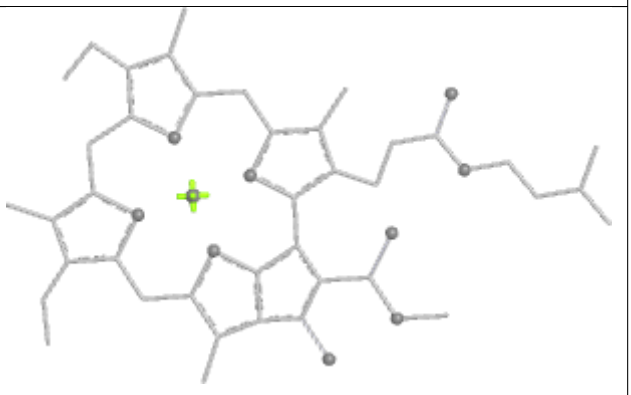
Bond lengths



Bond angles

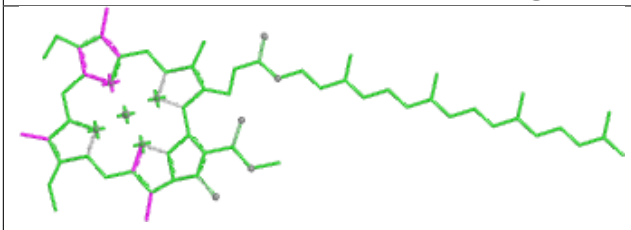


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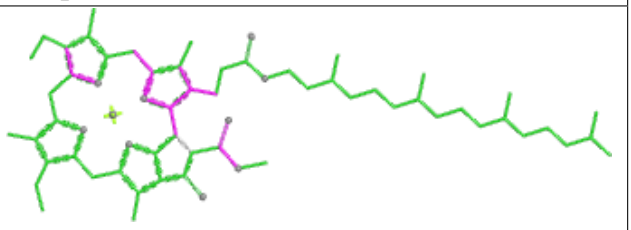


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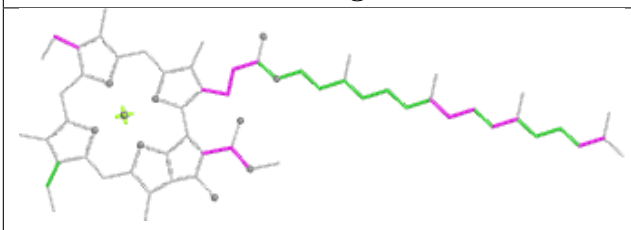
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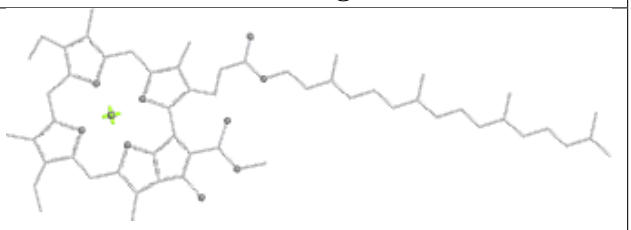
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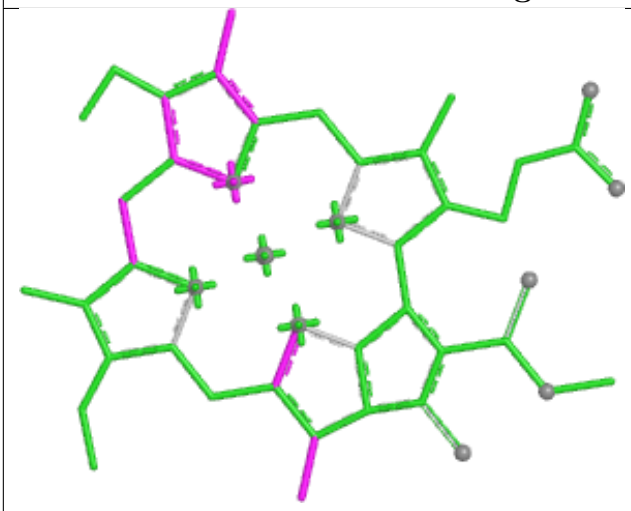


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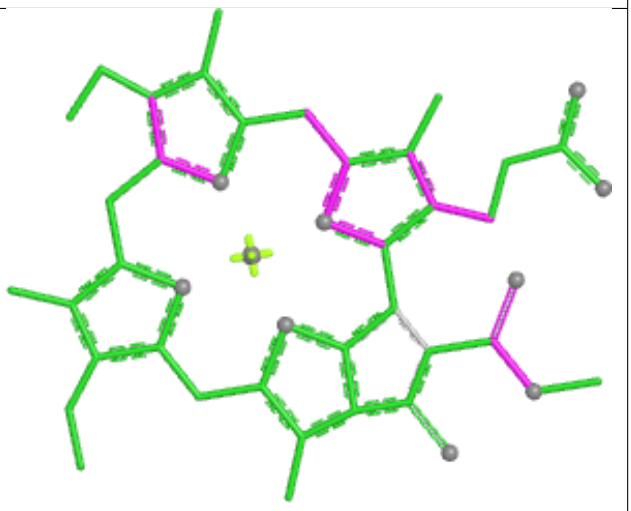


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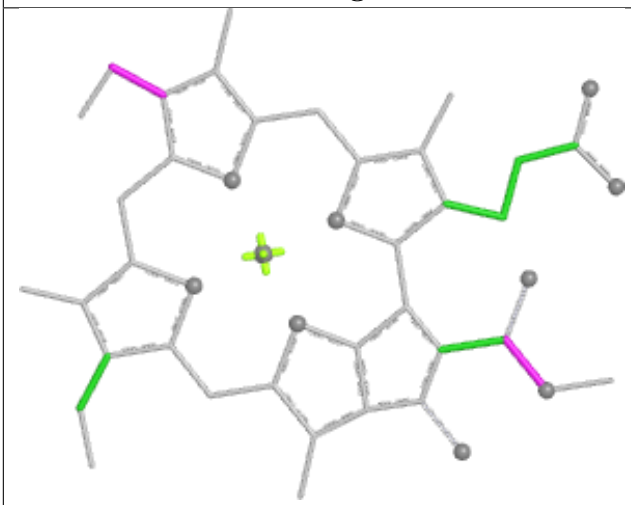
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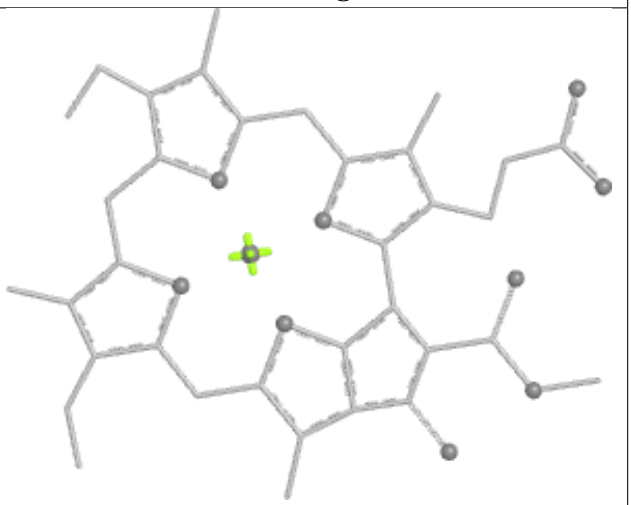
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Bond angles

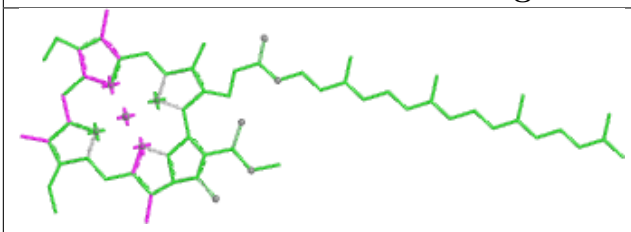


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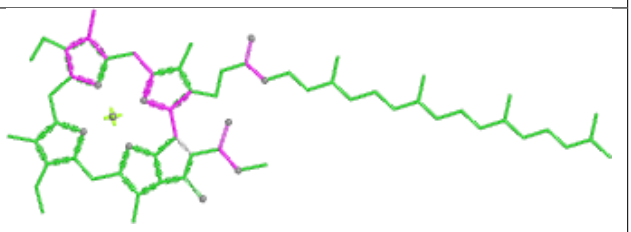


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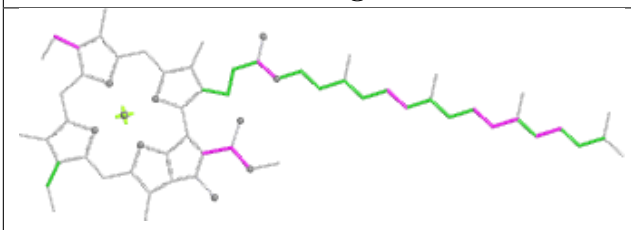
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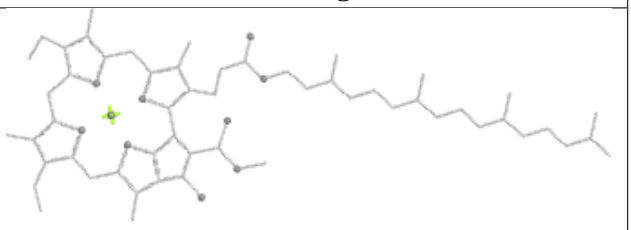
Bond lengths



Bond angles



Torsions

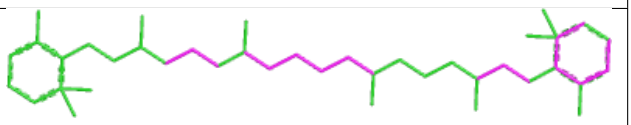


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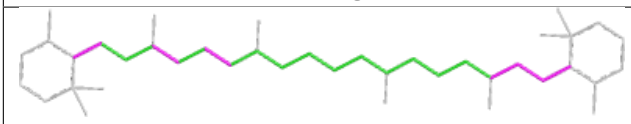
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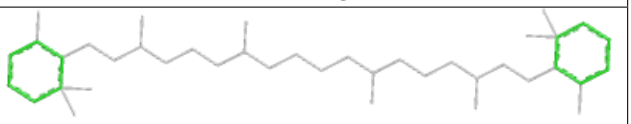
Bond lengths



Bond angles

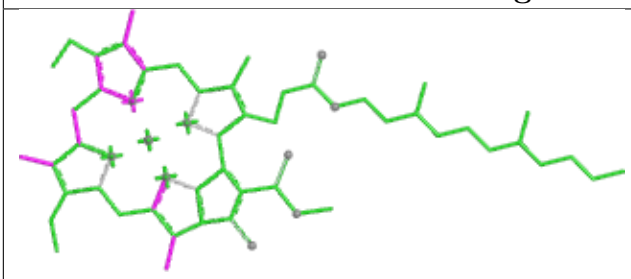


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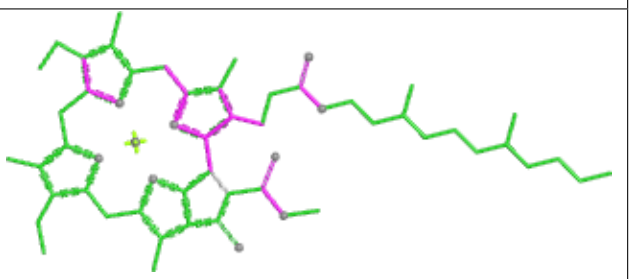


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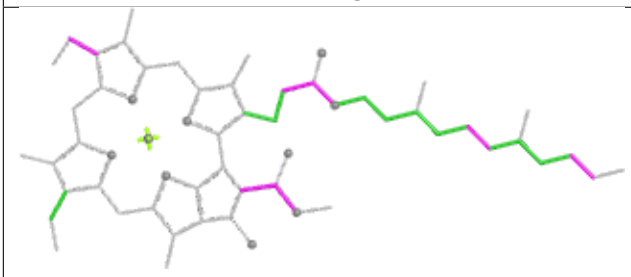
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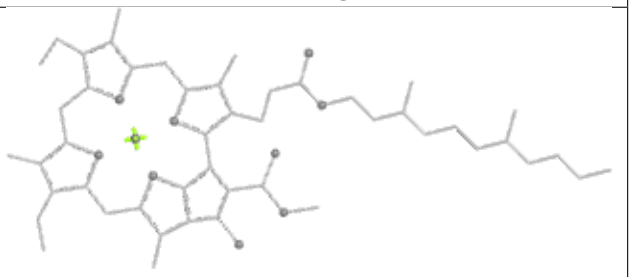
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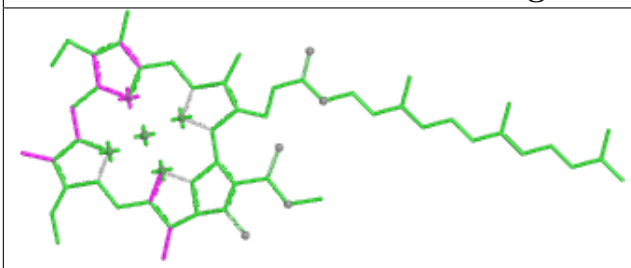
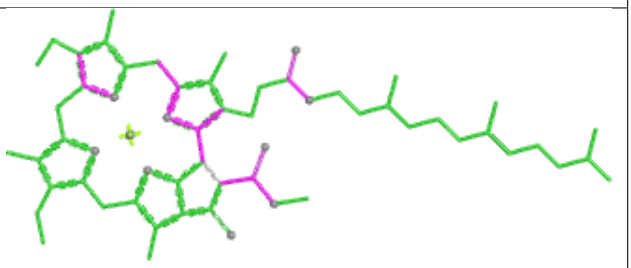
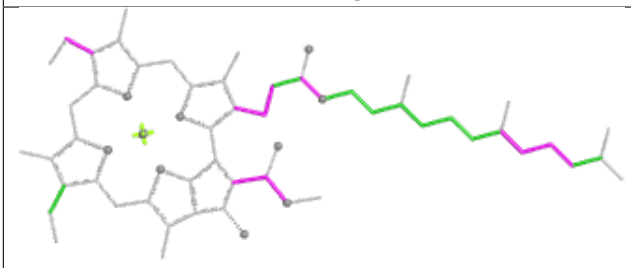
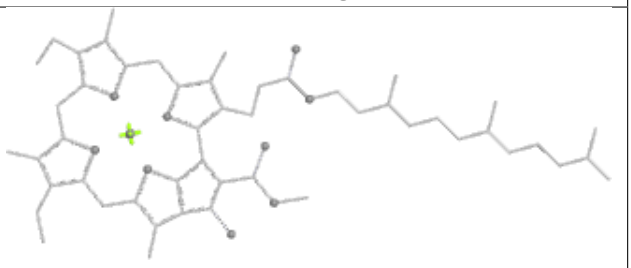
Bond angles

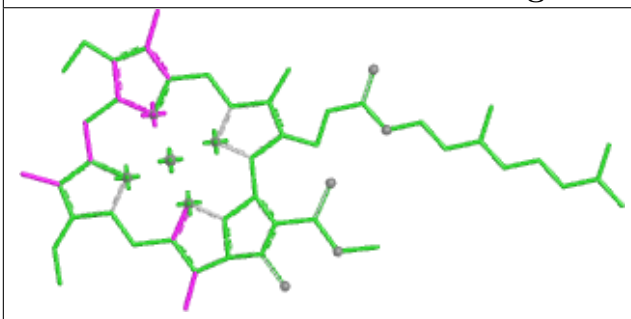
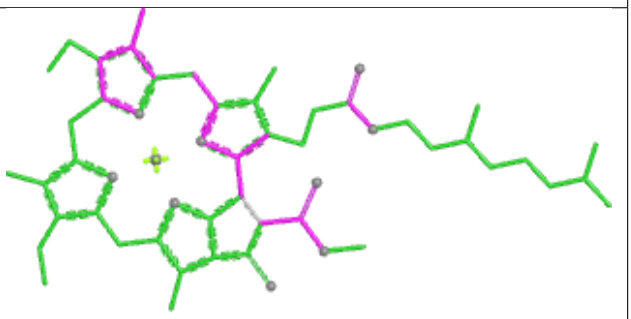
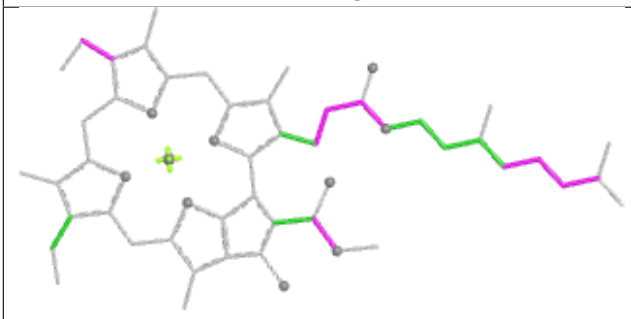
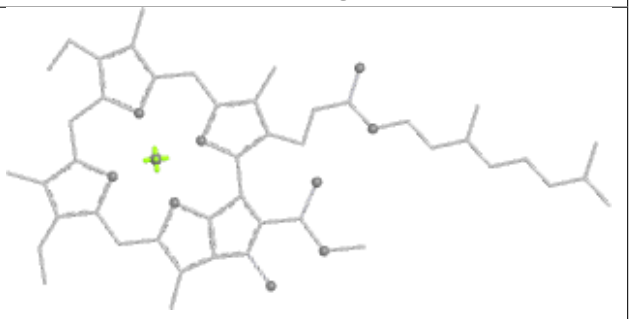


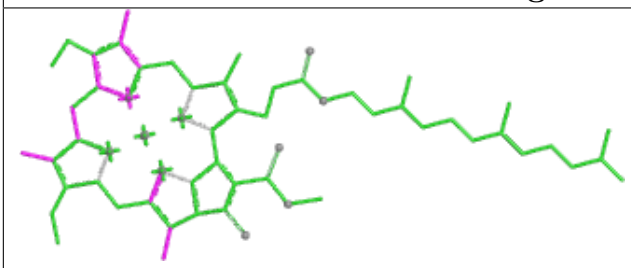
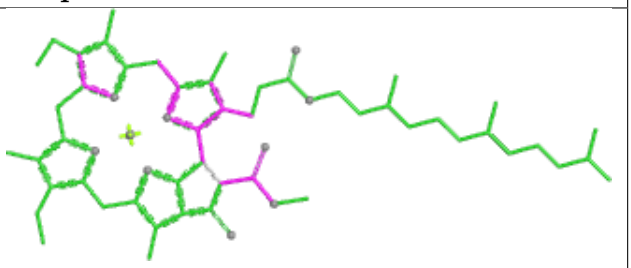
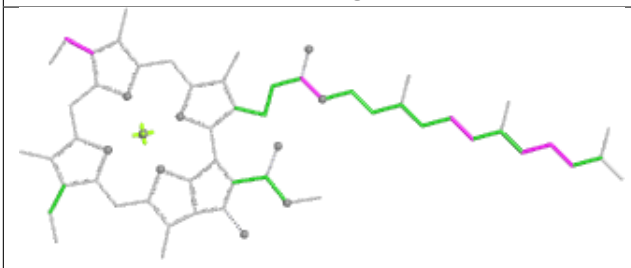
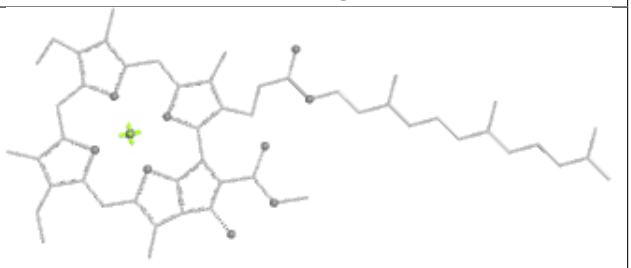
Torsions

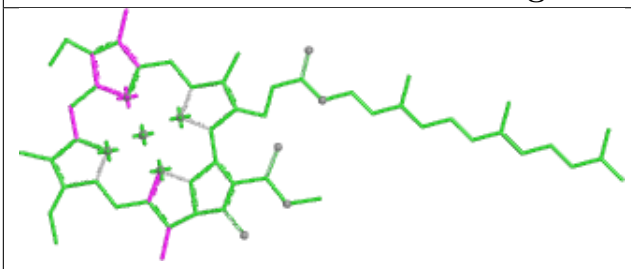
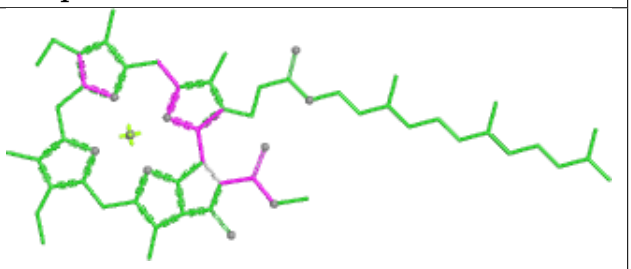
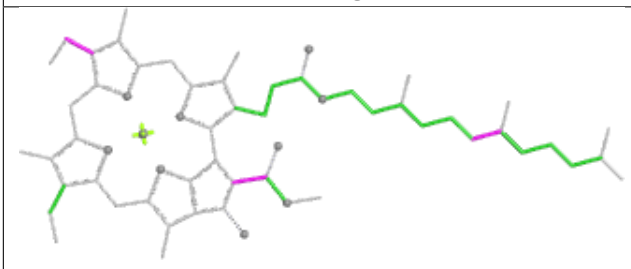
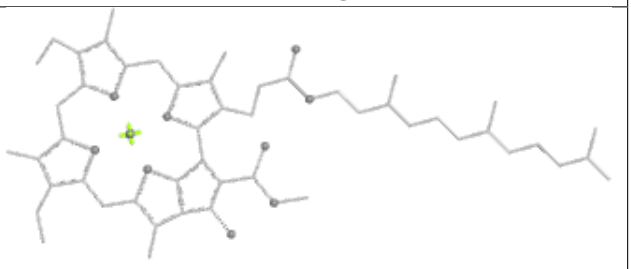


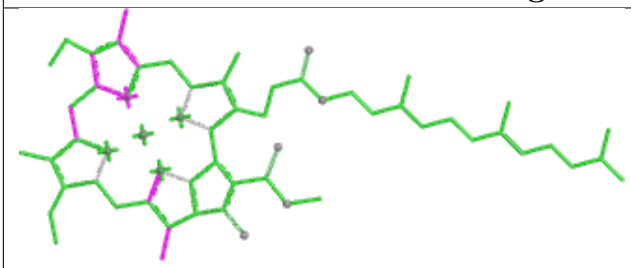
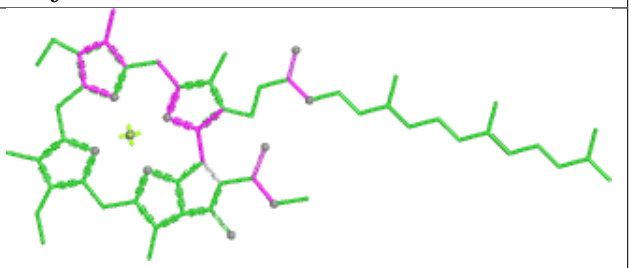
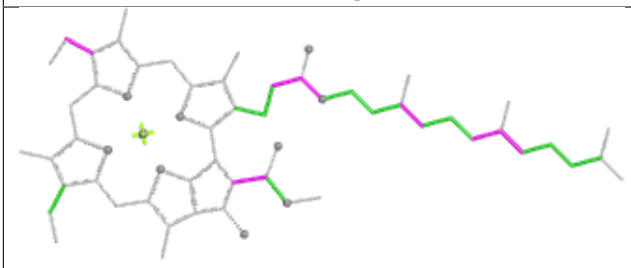
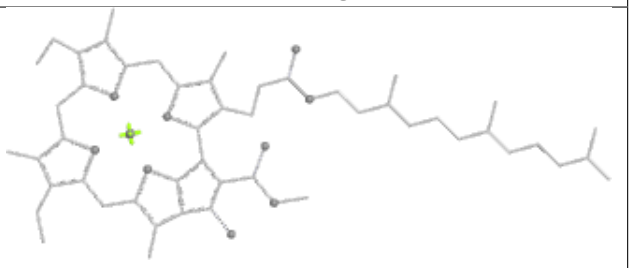
Rings

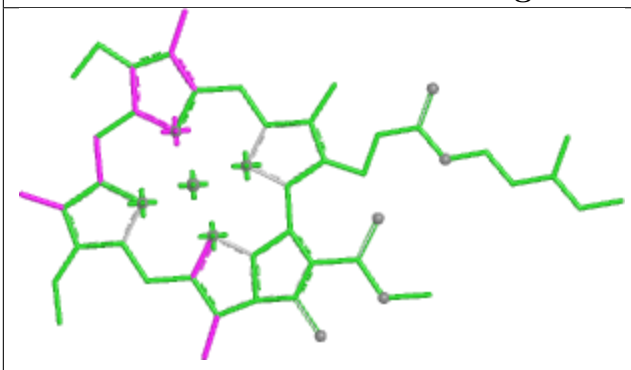
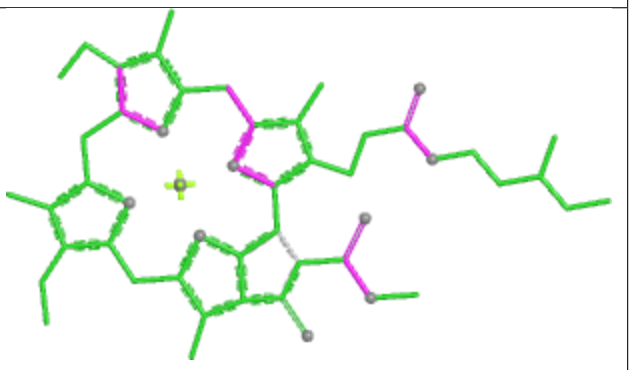
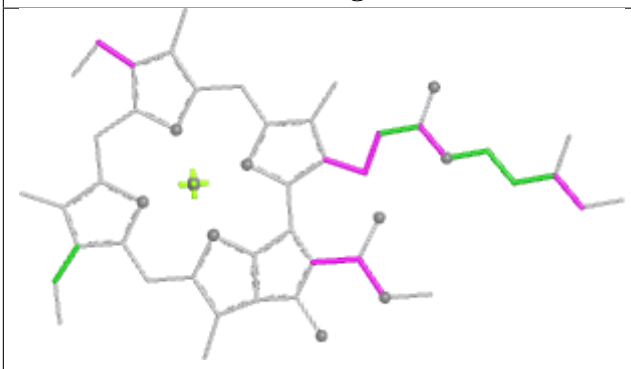
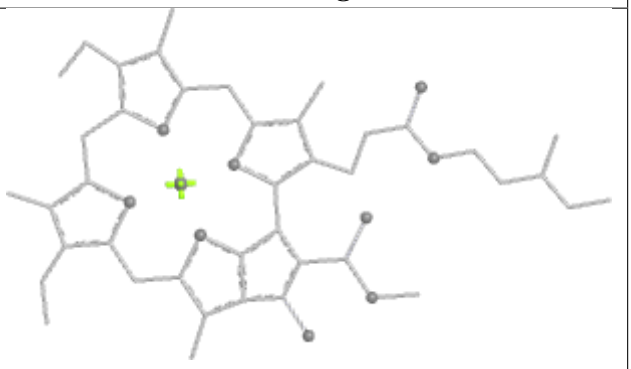
Ligand CLA v 504	
	
Bond lengths	**Bond angles**
	
Torsions	**Rings**

Ligand CLA n 517	
	
Bond lengths	**Bond angles**
	
Torsions	**Rings**

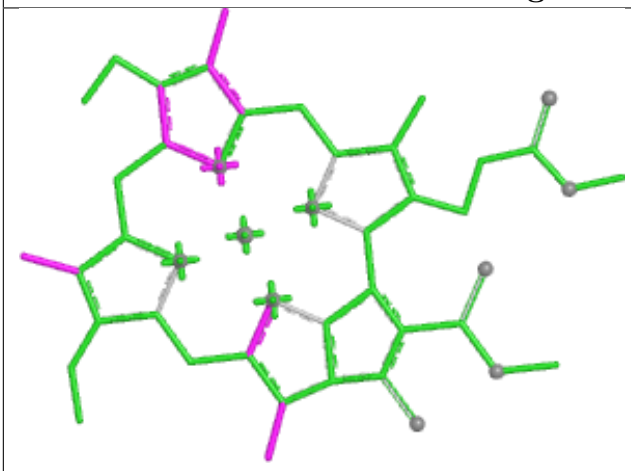
Ligand CLA q 506	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA q 510	
	
Bond lengths	Bond angles
	
Torsions	Rings

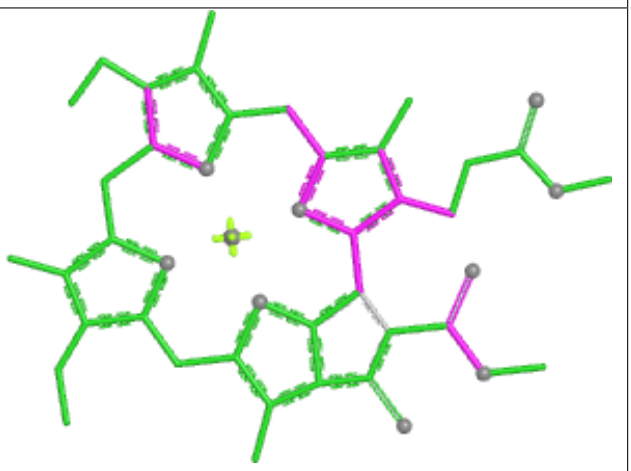
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Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA H 1121	
	
Bond lengths	Bond angles
	
Torsions	Rings

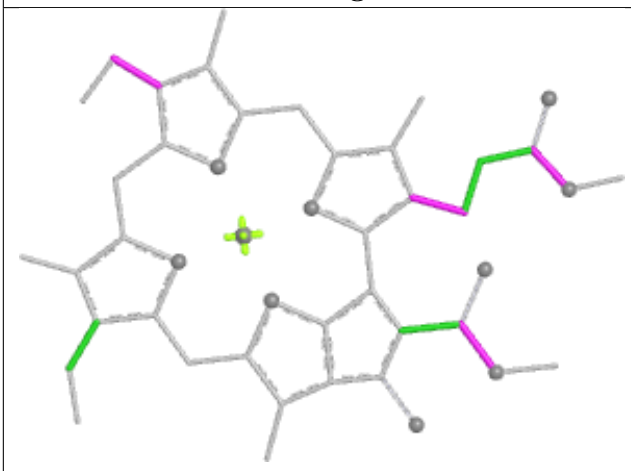
Ligand CLA u 503



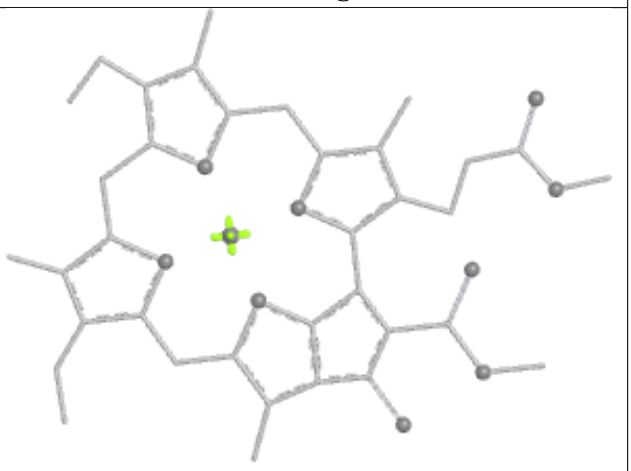
Bond lengths



Bond angles

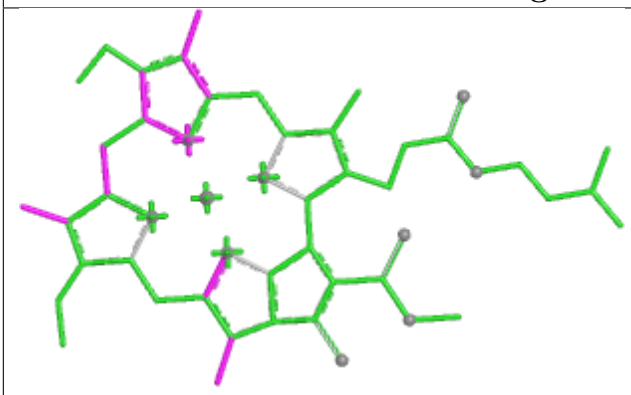


Torsions

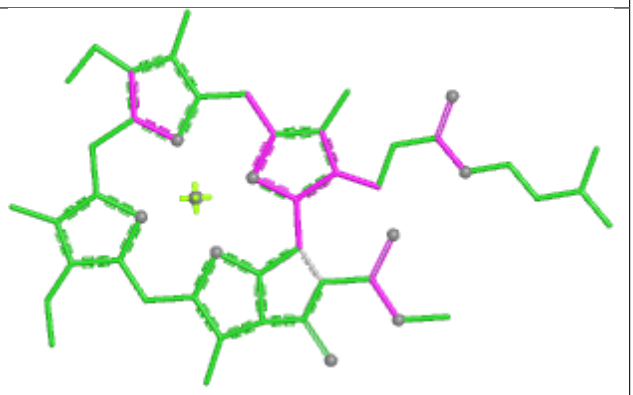


Rings

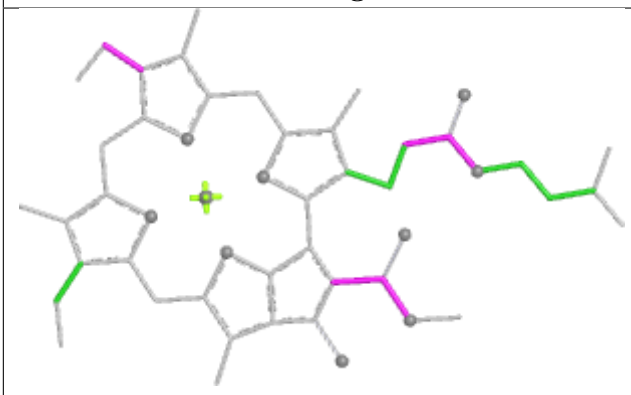
Ligand CLA t 514



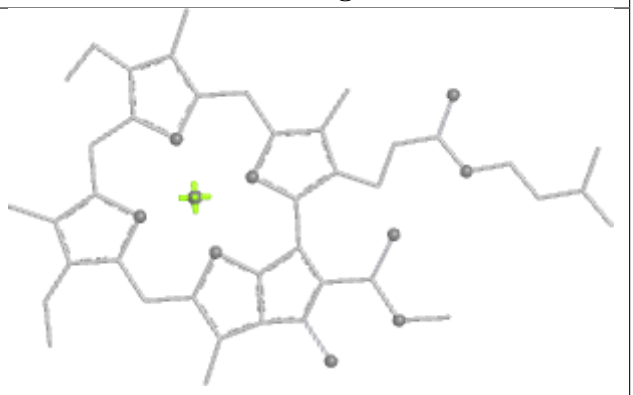
Bond lengths



Bond angles

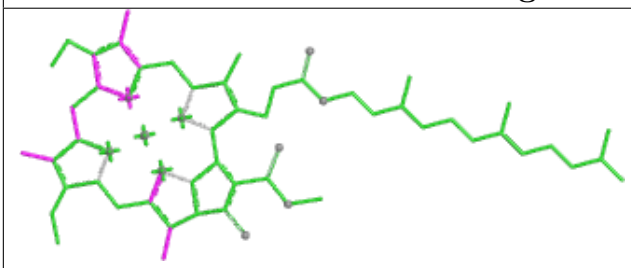


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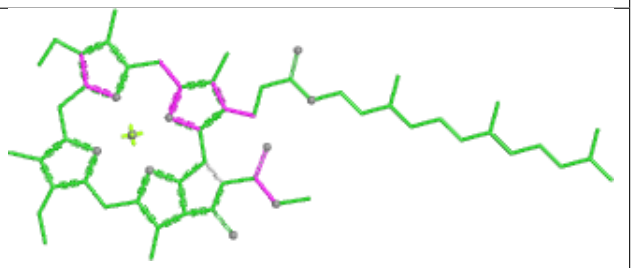


Rings

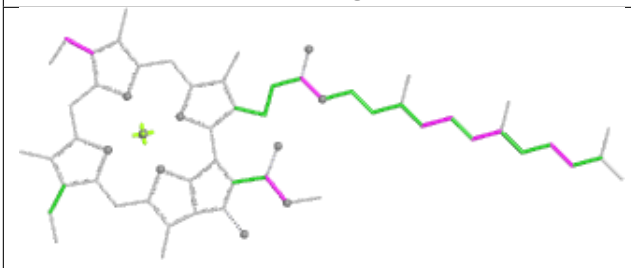
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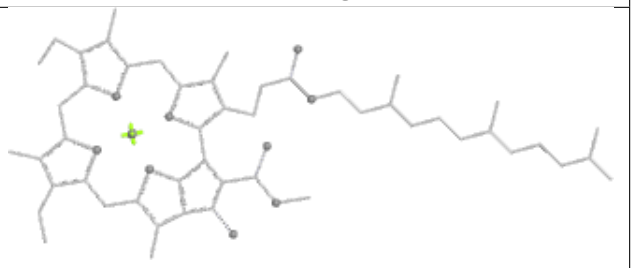
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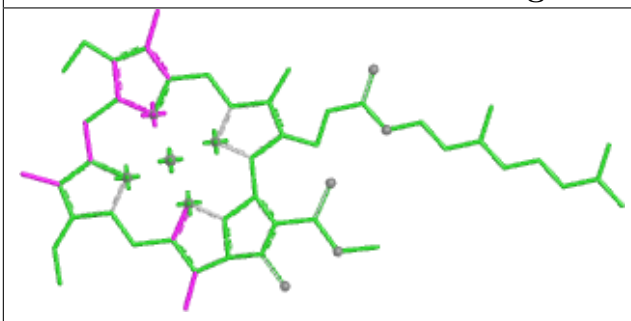
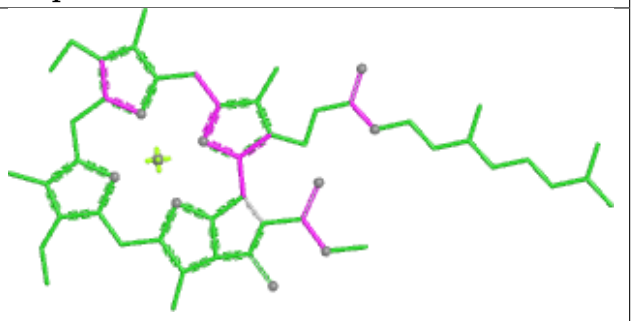
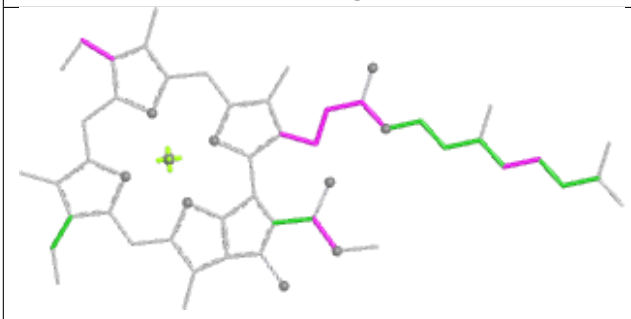
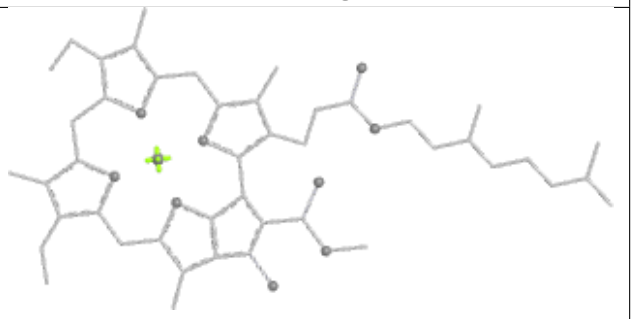
Bond angles

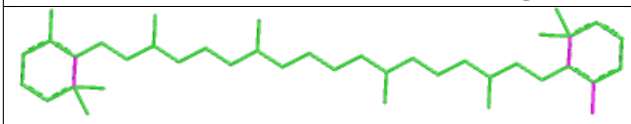
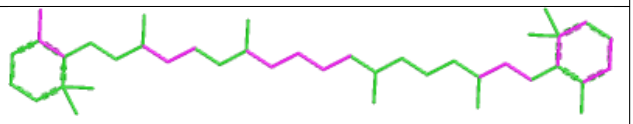
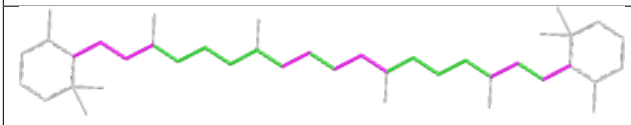
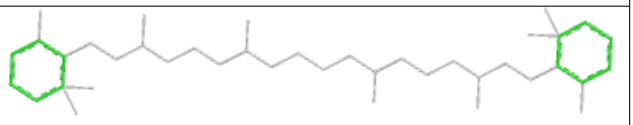


Torsions

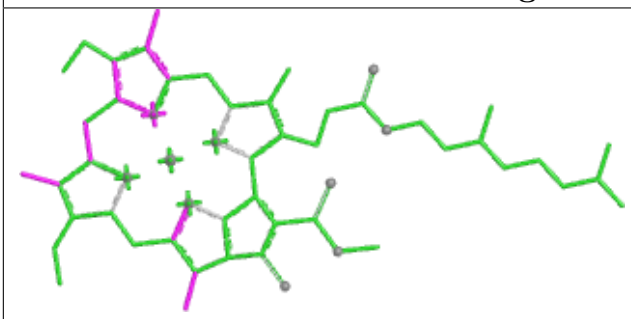


Rings

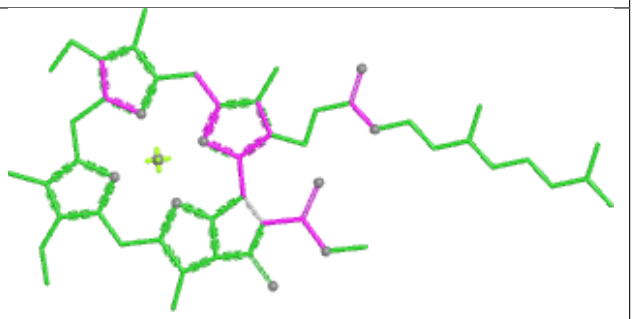
Ligand CLA p 508	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand BCR a 4008	
	
Bond lengths	Bond angles
	
Torsions	Rings

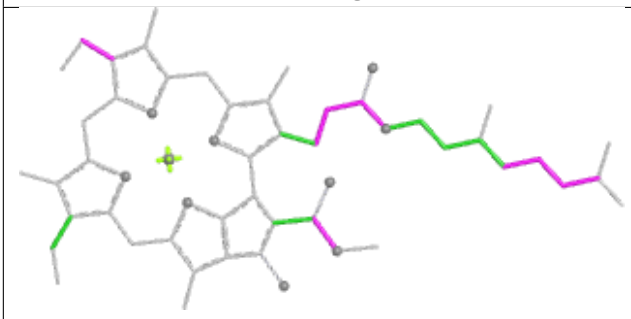
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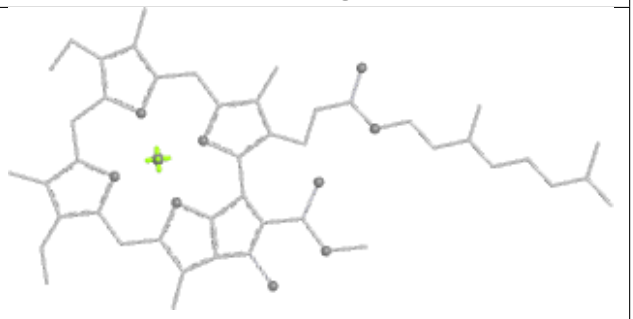
Bond lengths



Bond angles

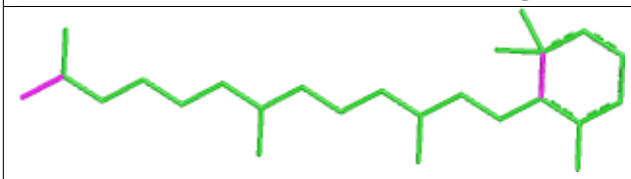


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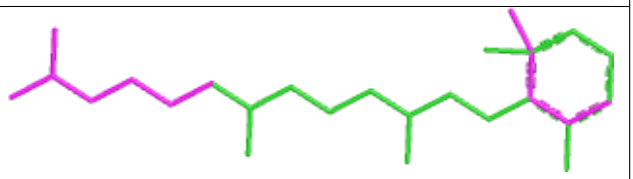


Rings

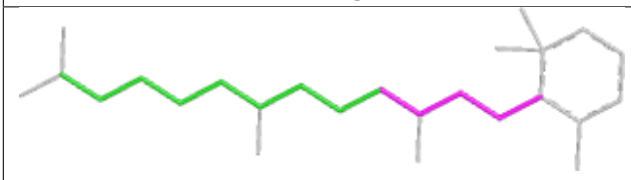
Ligand BCR b 4006



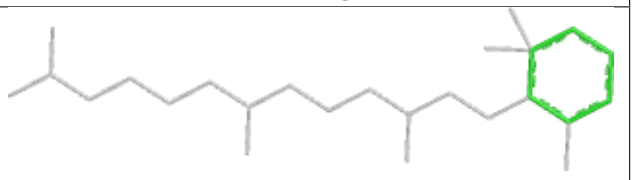
Bond lengths



Bond angles



Torsions

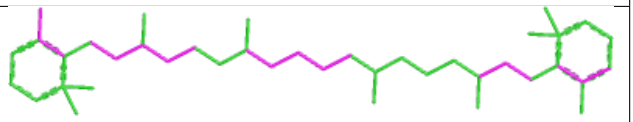


Rings

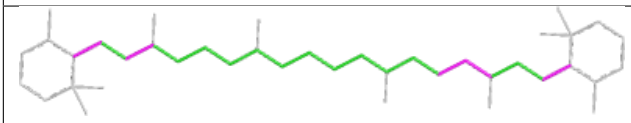
Ligand BCR w 602



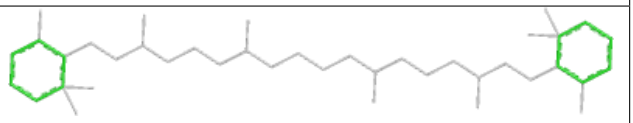
Bond lengths



Bond angles

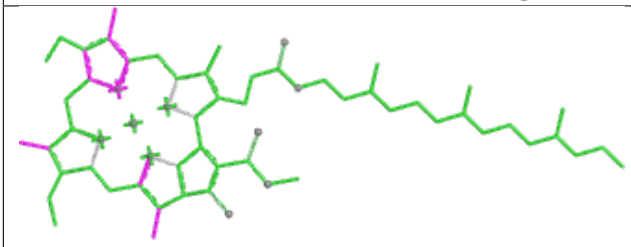


Torsions

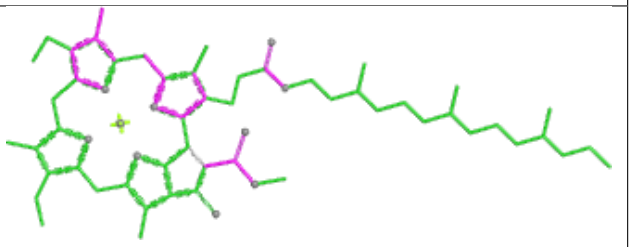


Rings

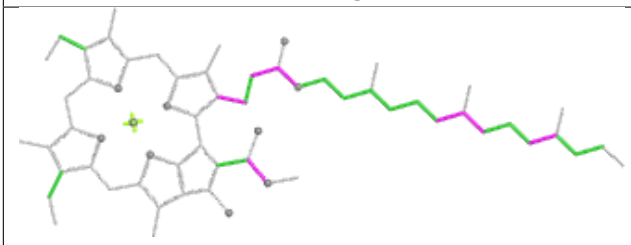
Ligand CLA B 1235



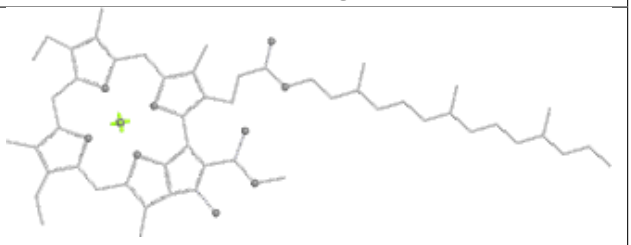
Bond lengths



Bond angles

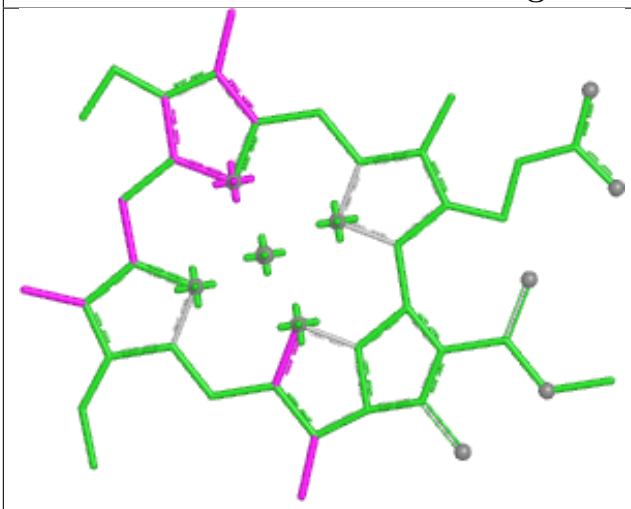


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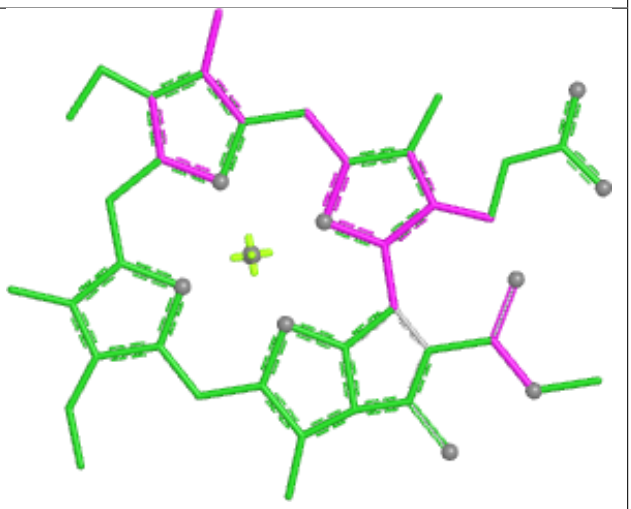


Rings

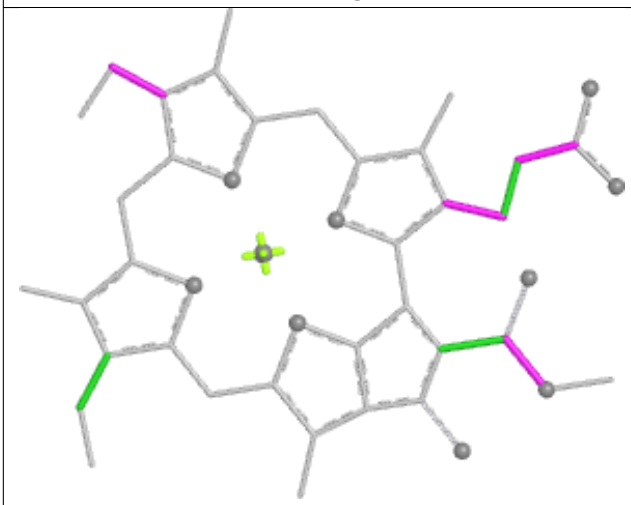
Ligand CLA n 512



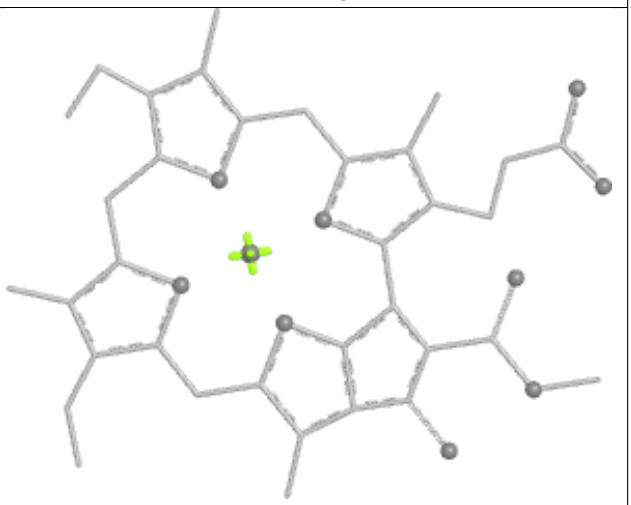
Bond lengths



Bond angles

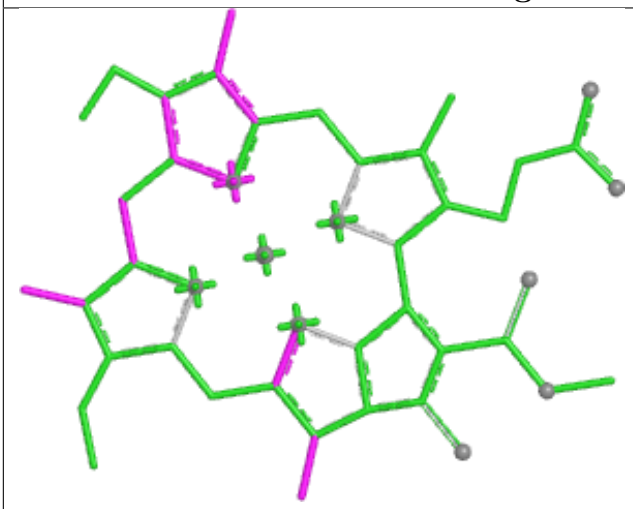


Torsions

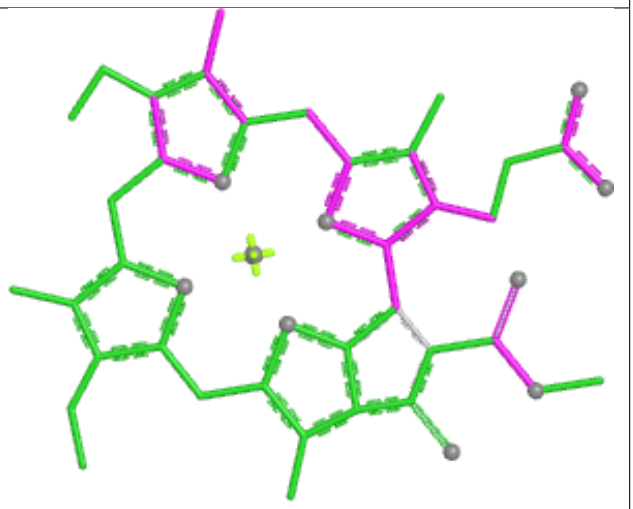


Rings

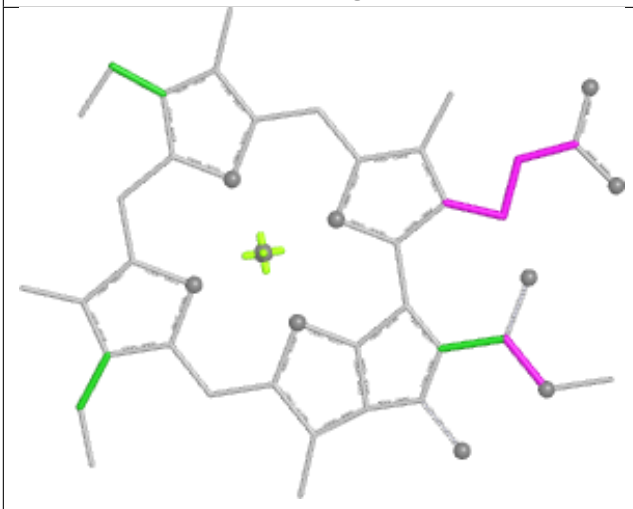
Ligand CLA H 1108



Bond lengths



Bond angles

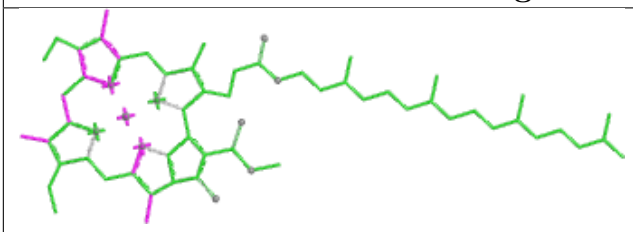


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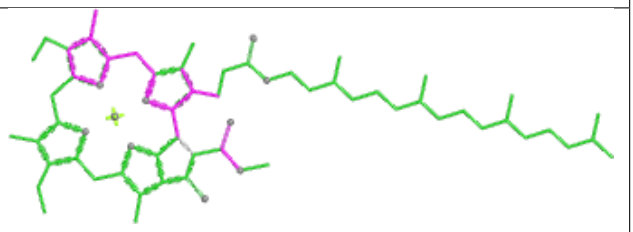


Rings

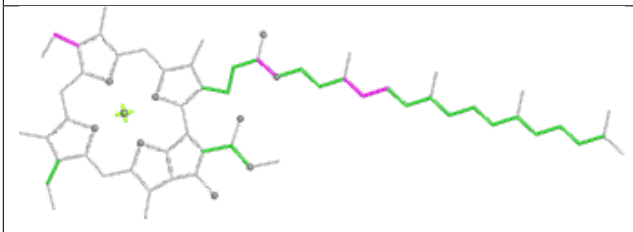
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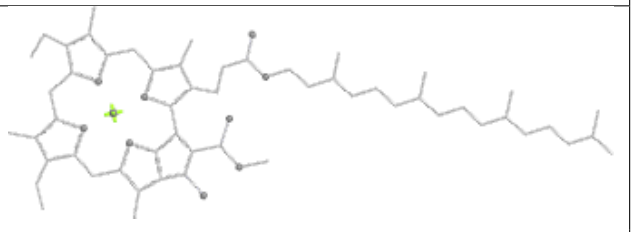
Bond lengths



Bond angles

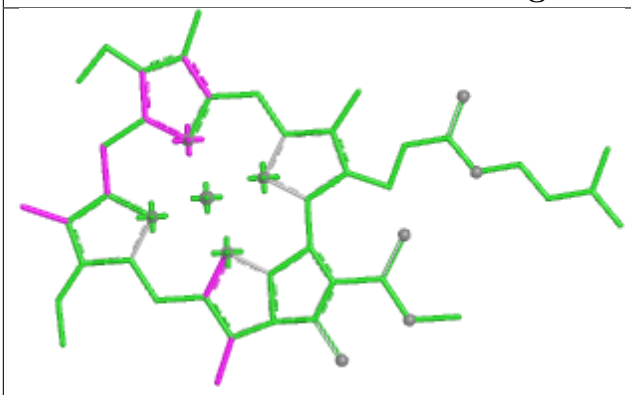


Torsions

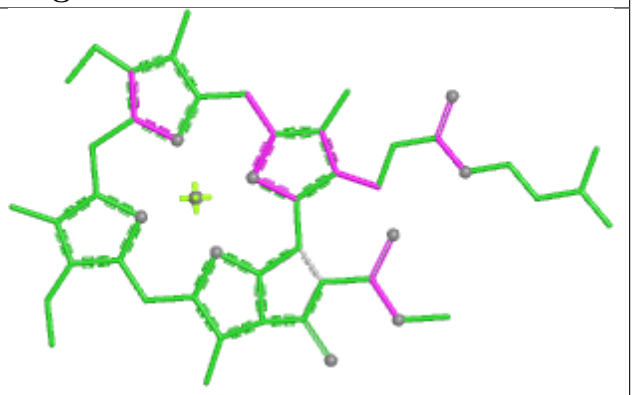


Rings

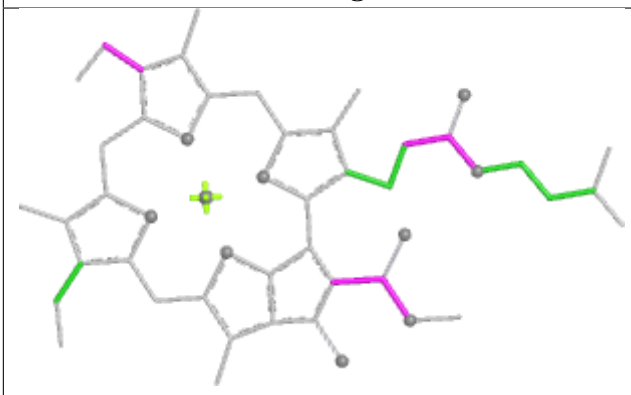
Ligand CLA g 513



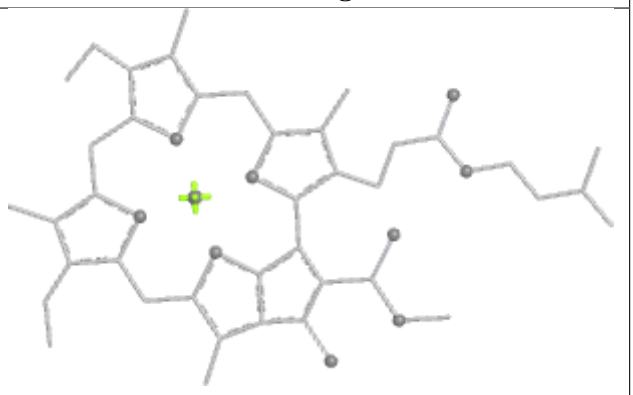
Bond lengths



Bond angles



Torsions

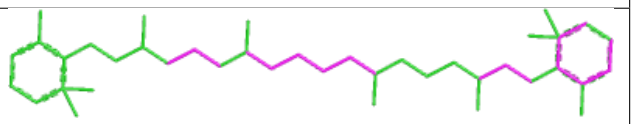


Rings

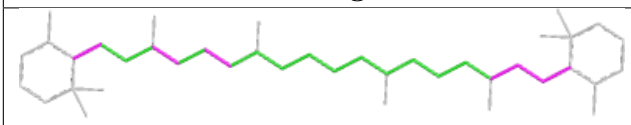
Ligand BCR B 4017



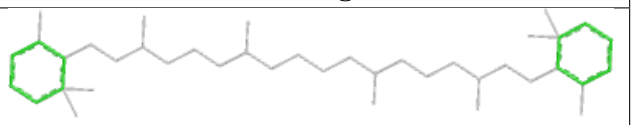
Bond lengths



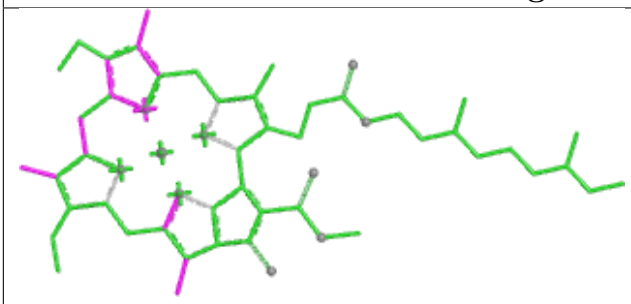
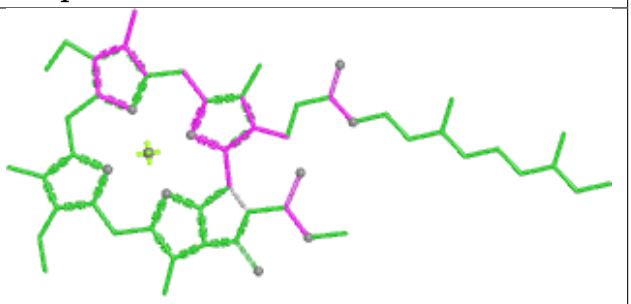
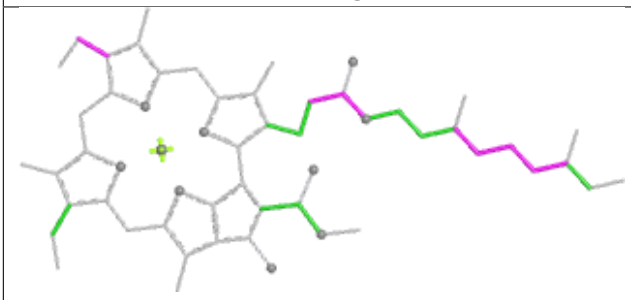
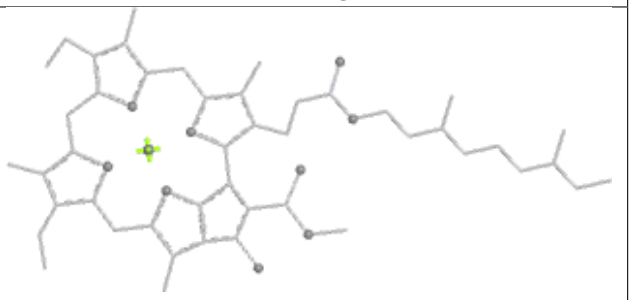
Bond angles

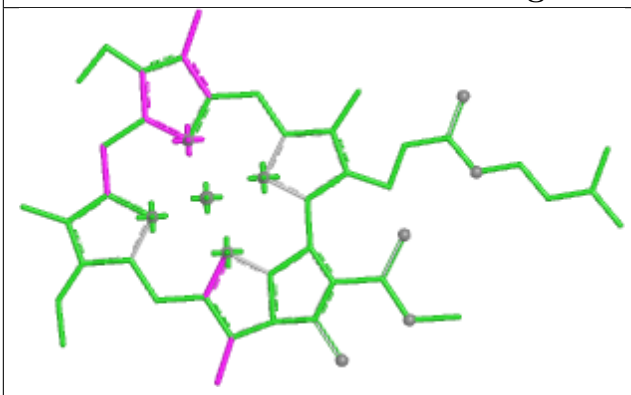
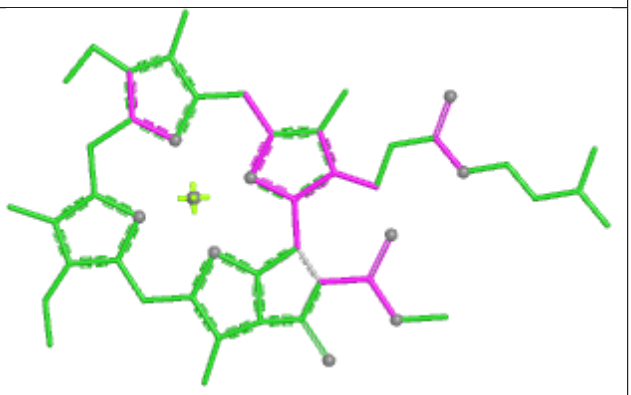
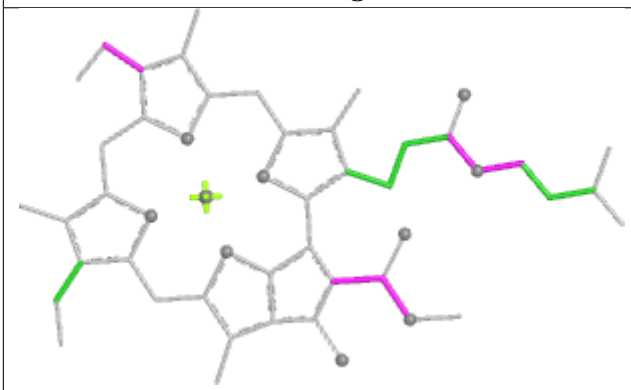
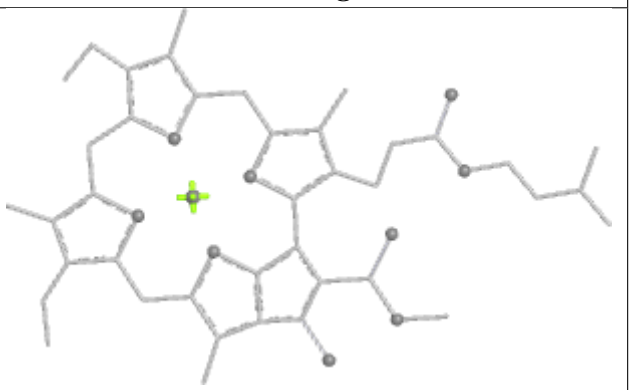


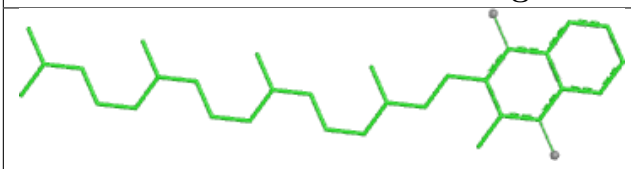
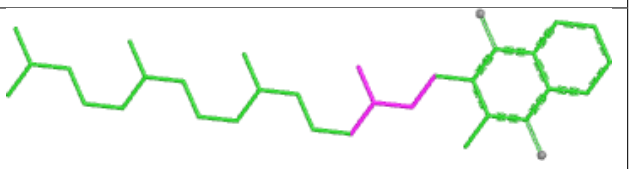
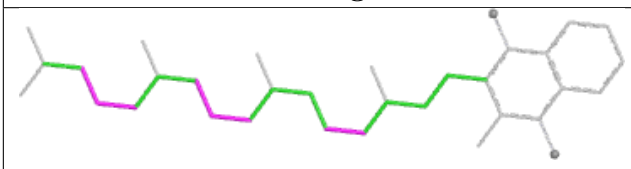
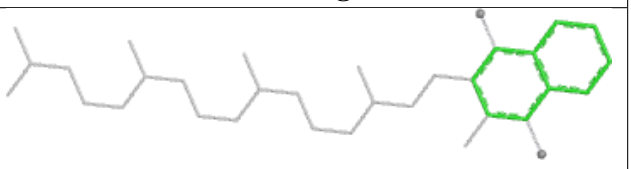
Torsions

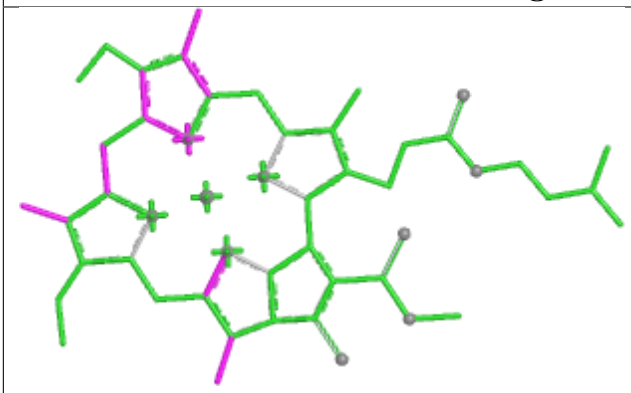
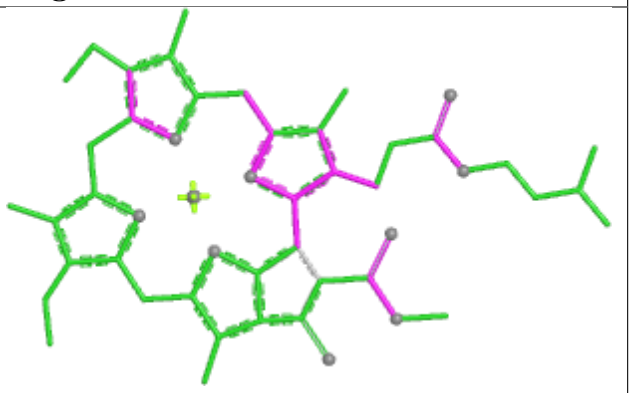
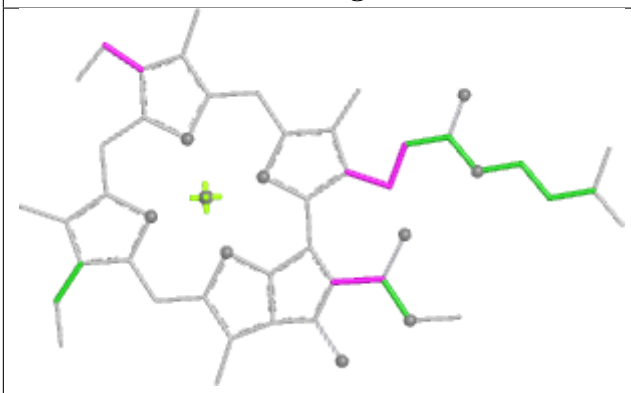
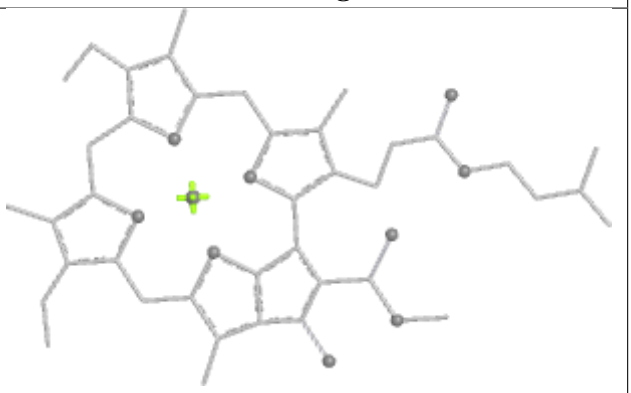


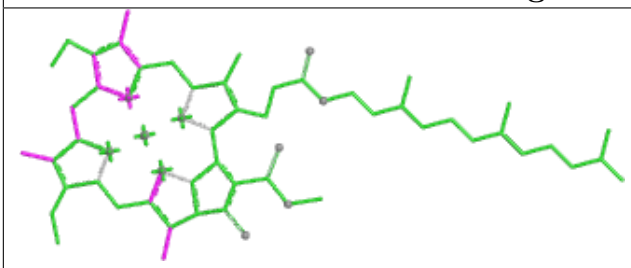
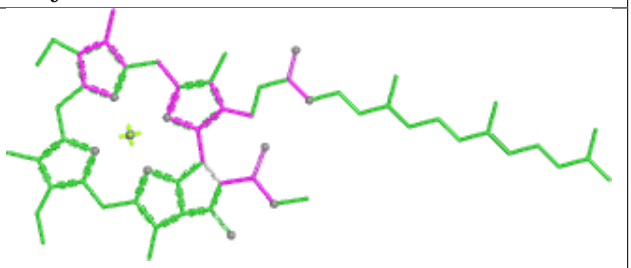
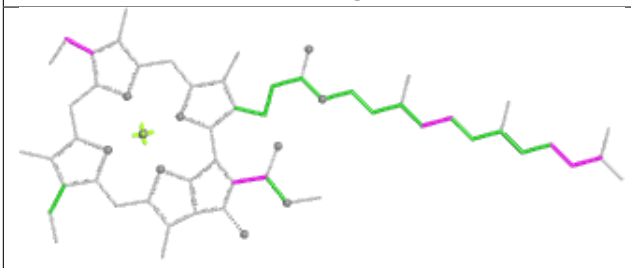
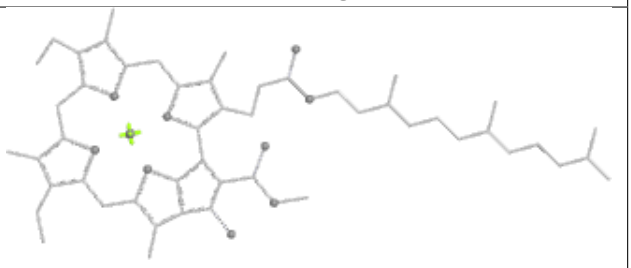
Rings

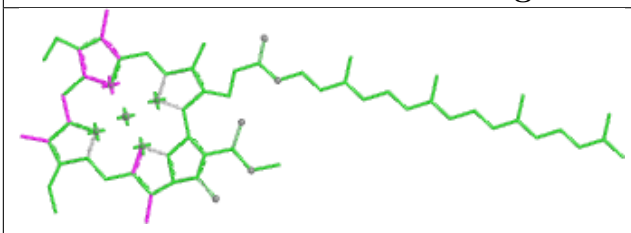
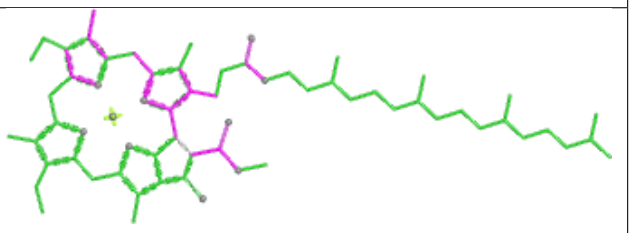
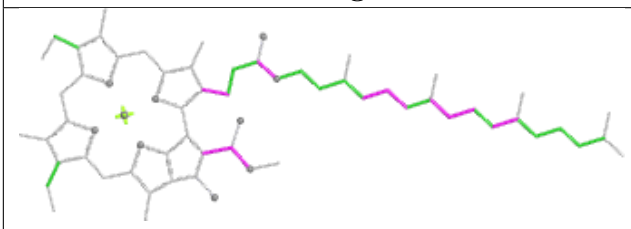
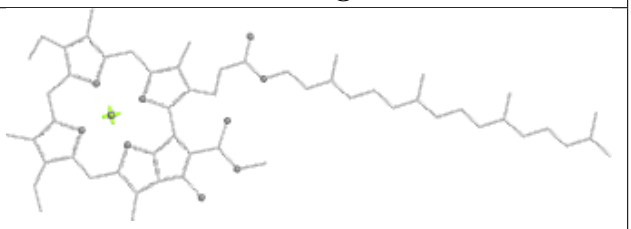
Ligand CLA q 509	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA u 501	
	
Bond lengths	Bond angles
	
Torsions	Rings

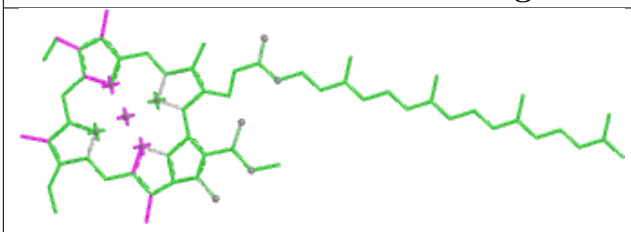
Ligand PQN G 2002	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA g 502	
 Bond lengths	 Bond angles
 Torsions	 Rings

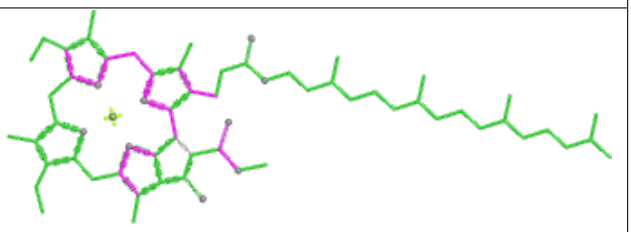
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Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA H 1101	
	
Bond lengths	Bond angles
	
Torsions	Rings

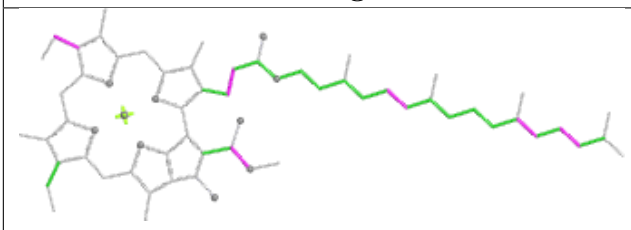
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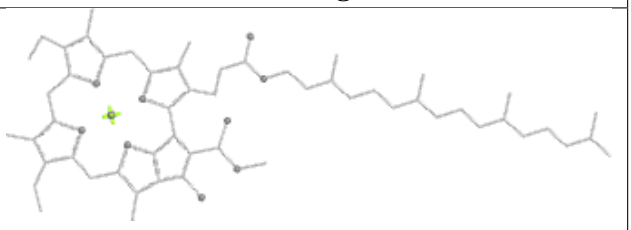
Bond lengths



Bond angles



Torsions

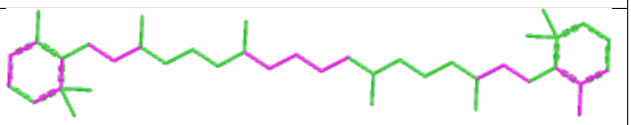


Rings

Ligand BCR n 603



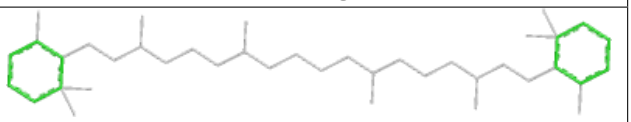
Bond lengths



Bond angles

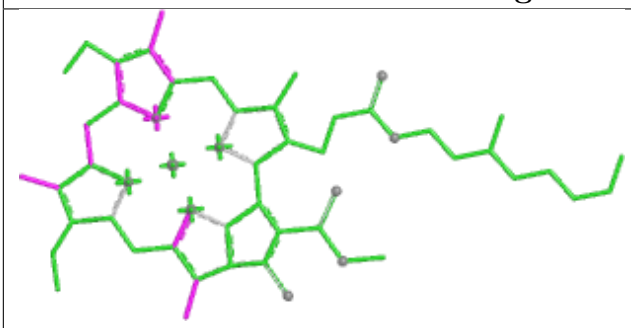


Torsions

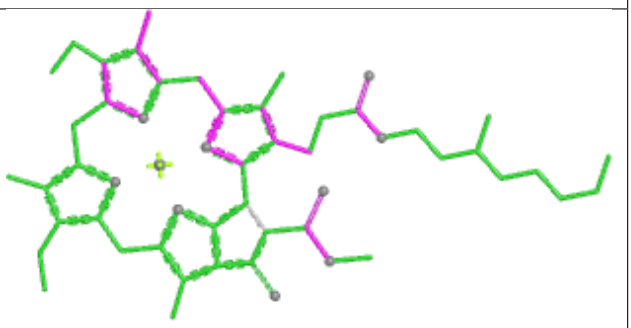


Rings

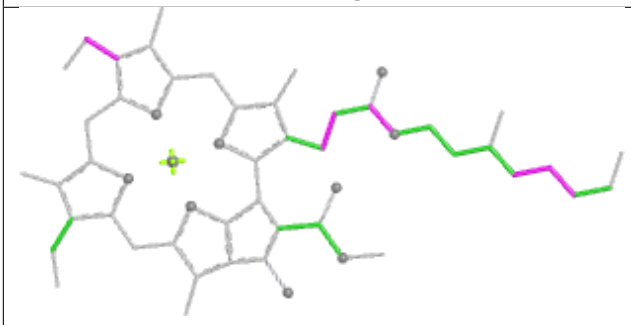
Ligand CLA A 1115



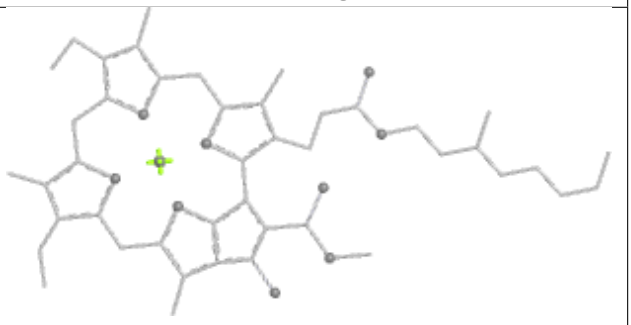
Bond lengths



Bond angles

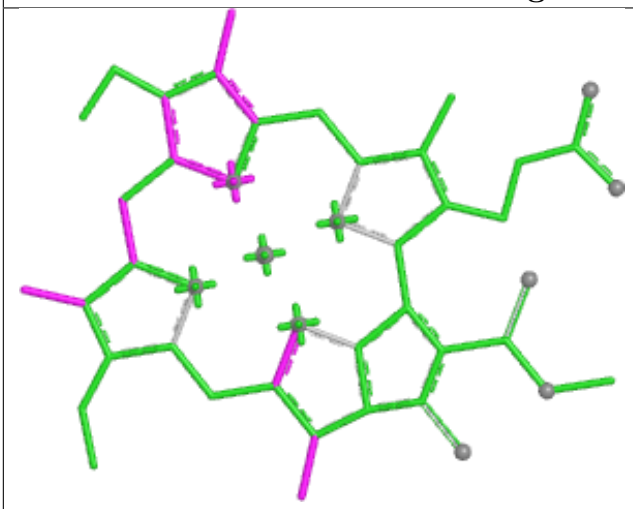


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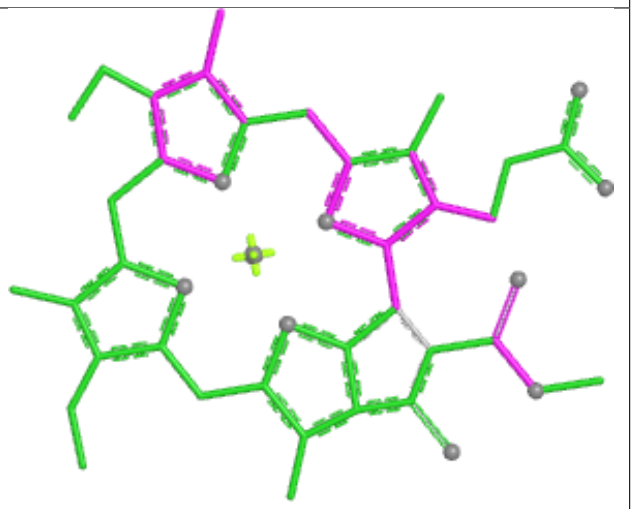


Rings

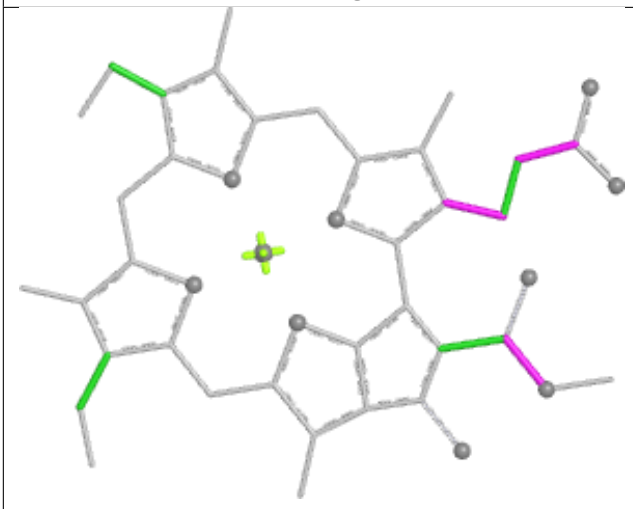
Ligand CLA v 512



Bond lengths



Bond angles

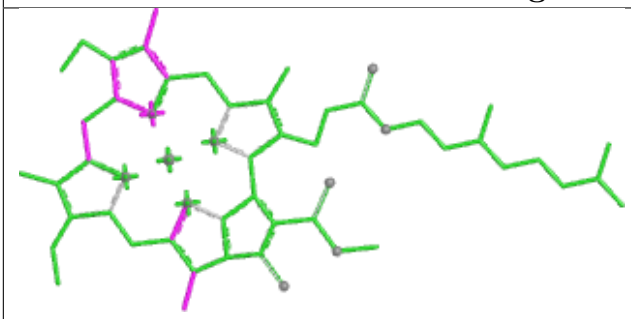


Torsions

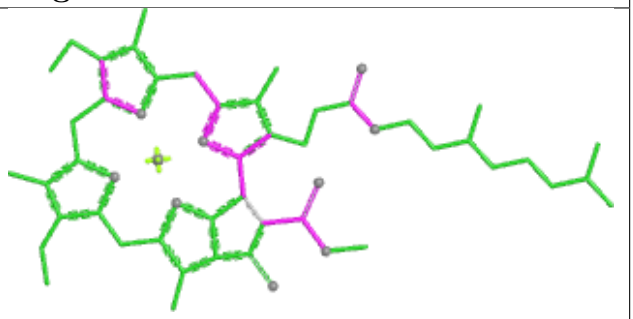


Rings

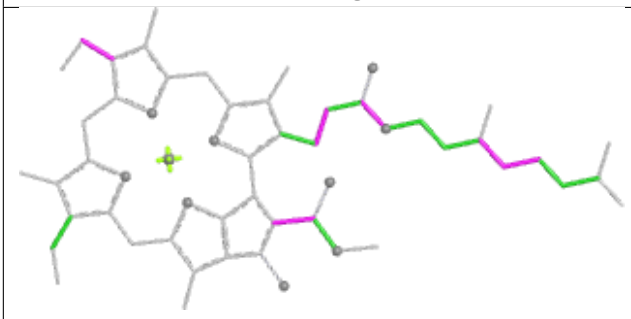
Ligand CLA g 510



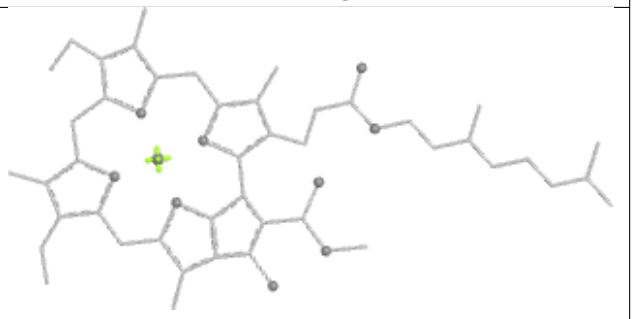
Bond lengths



Bond angles

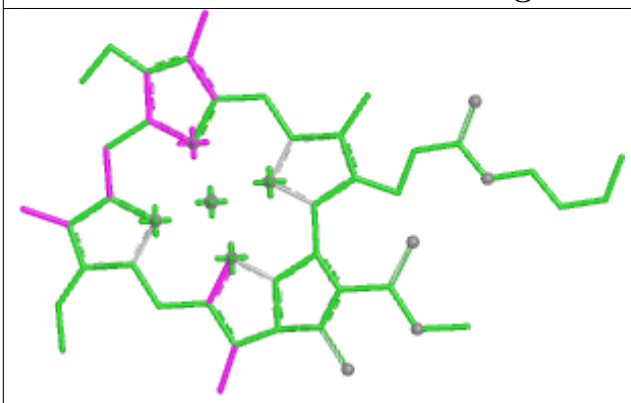


Torsions

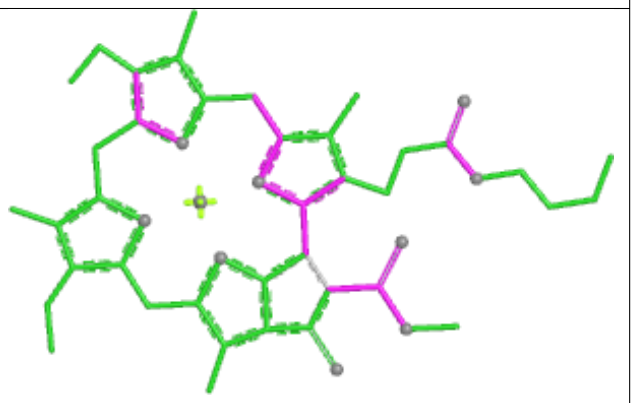


Rings

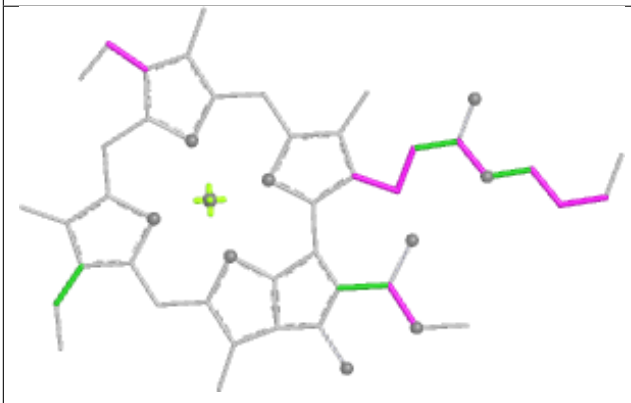
Ligand CLA H 1120



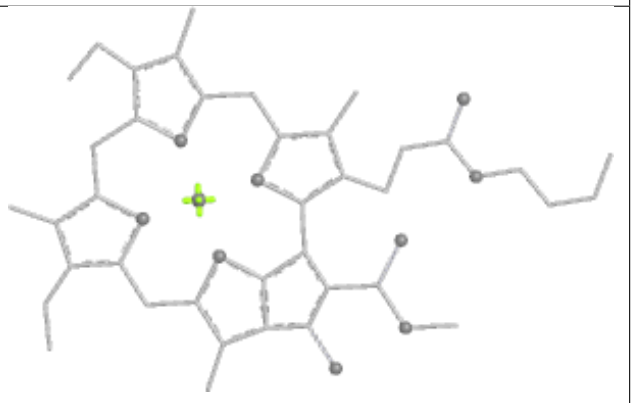
Bond lengths



Bond angles

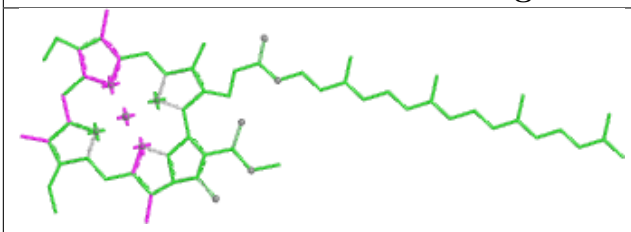


Torsions

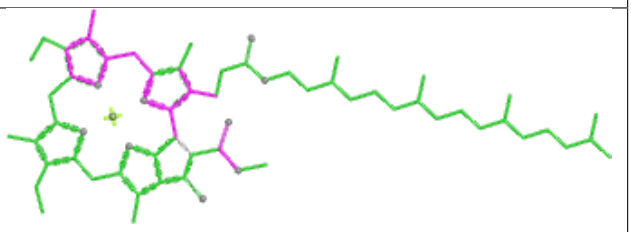


Rings

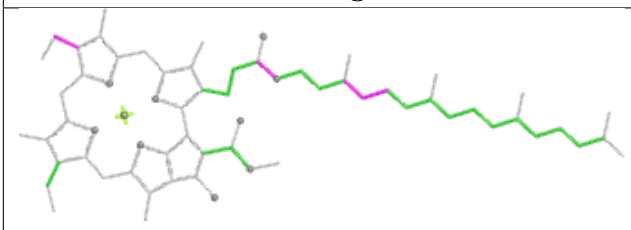
Ligand CLA A 1130



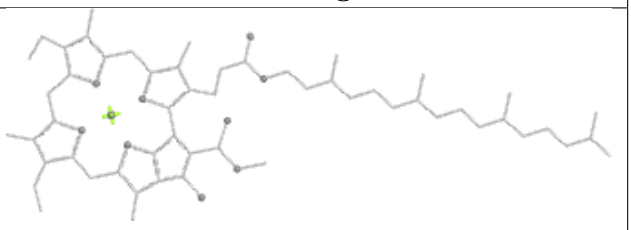
Bond lengths



Bond angles



Torsions

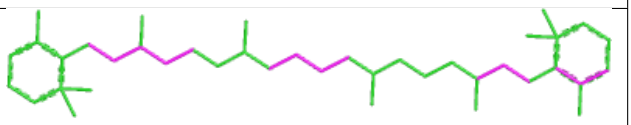


Rings

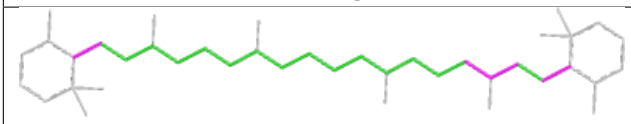
Ligand BCR a 4002



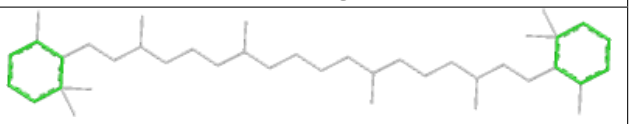
Bond lengths



Bond angles

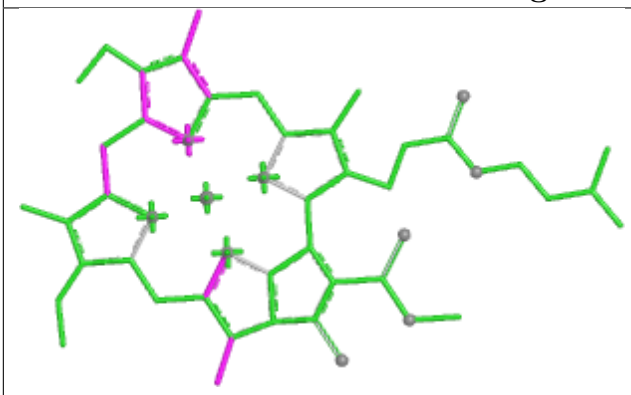


Torsions

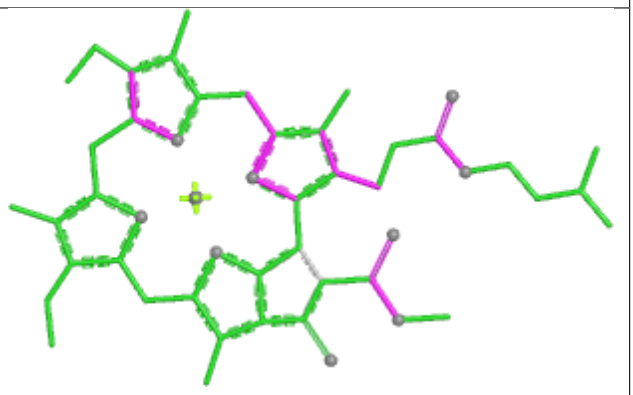


Rings

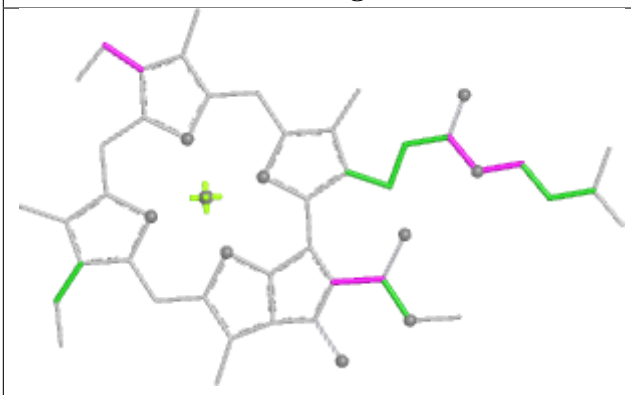
Ligand CLA r 501



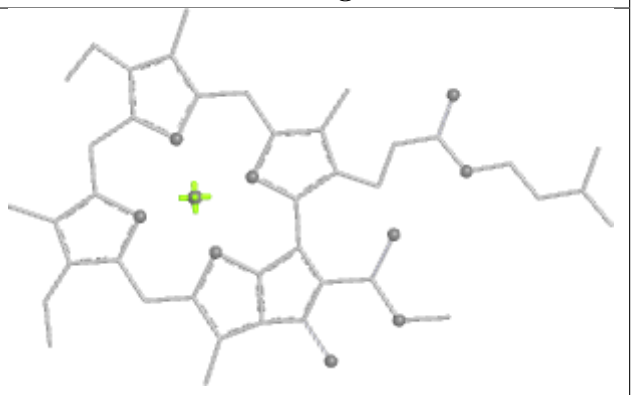
Bond lengths



Bond angles

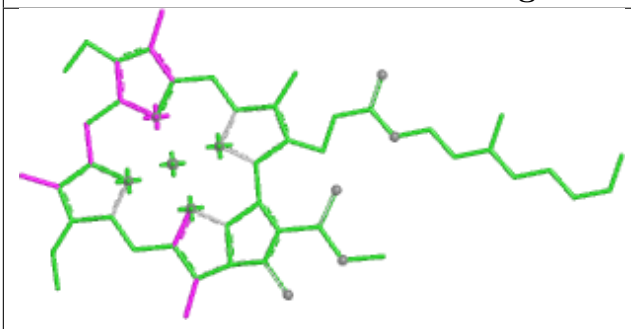


Torsions

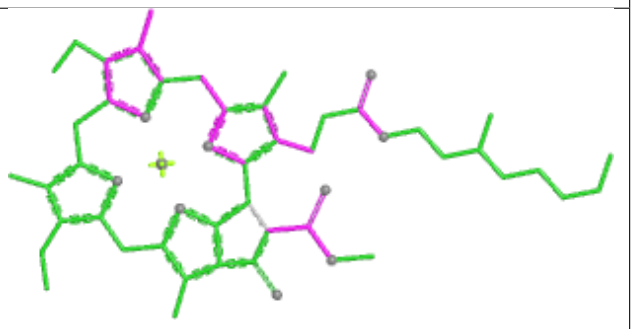


Rings

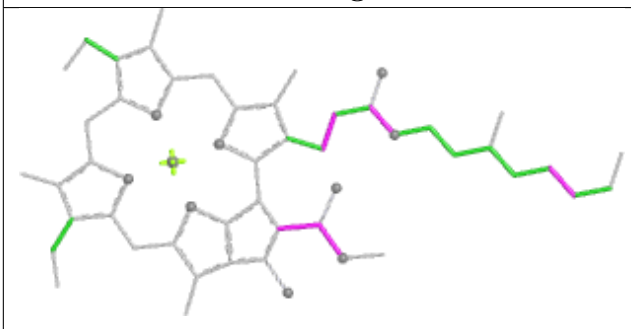
Ligand CLA b 1201



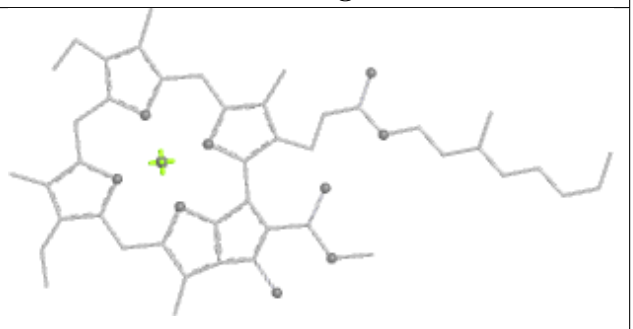
Bond lengths



Bond angles

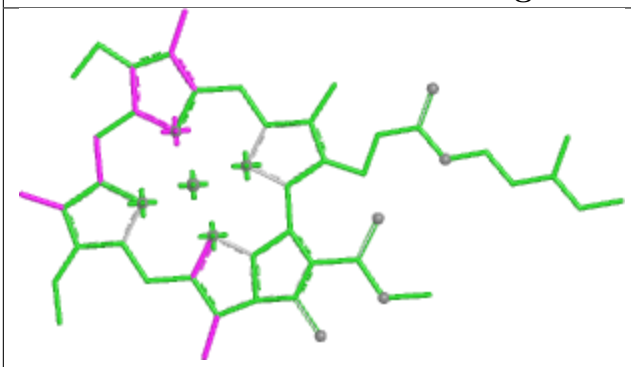


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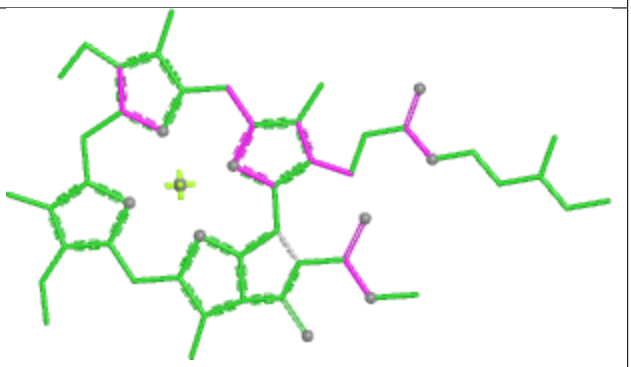


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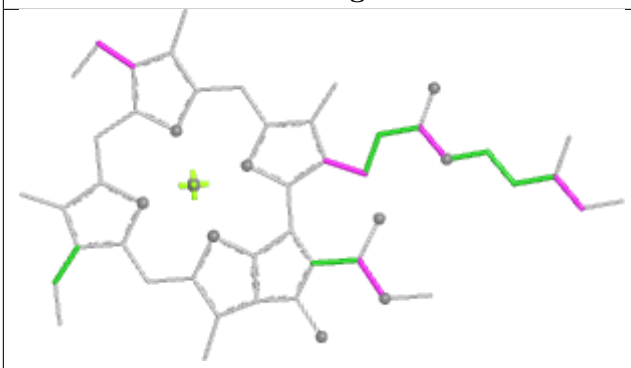
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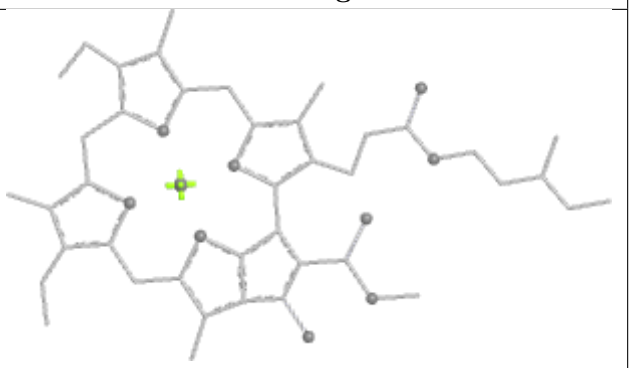
Bond lengths



Bond angles

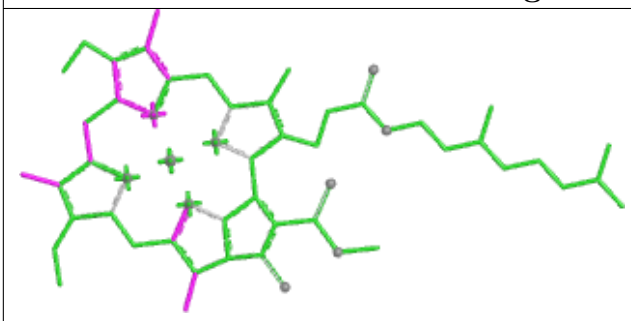


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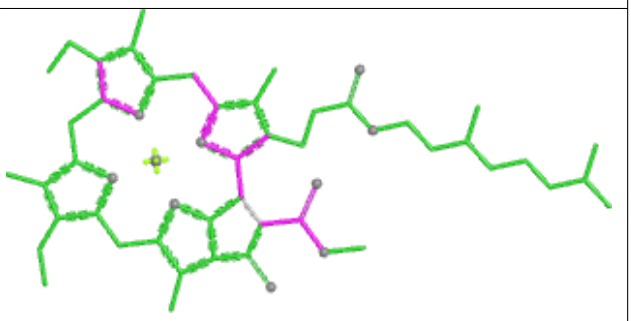


Rings

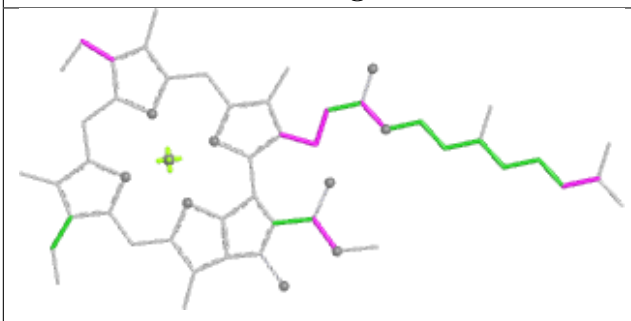
Ligand CLA X 508



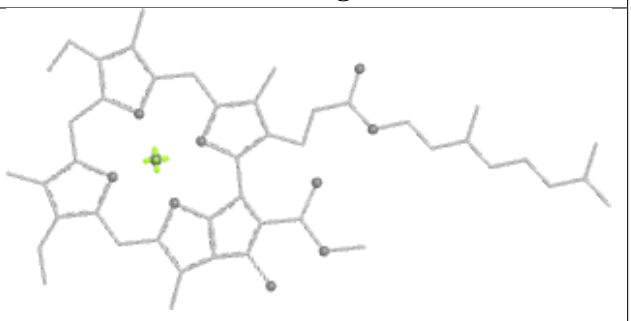
Bond lengths



Bond angles

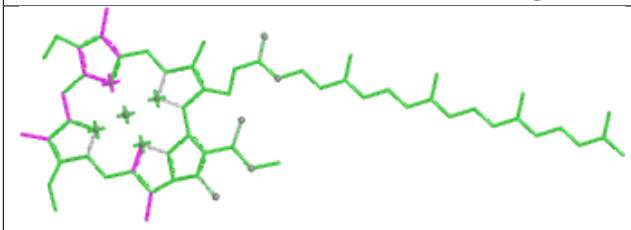


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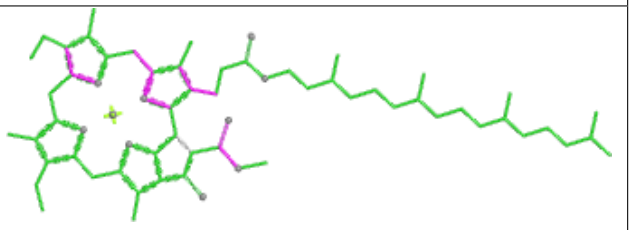


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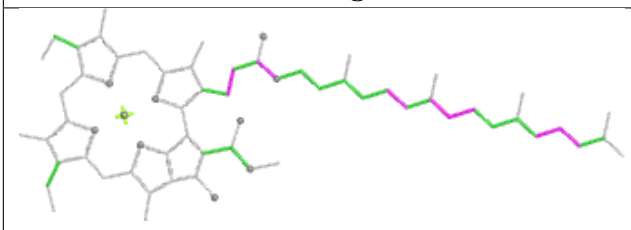
Ligand CLA o 515



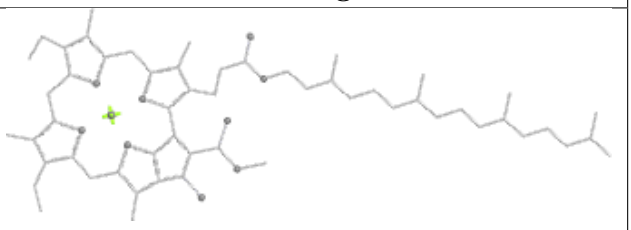
Bond lengths



Bond angles

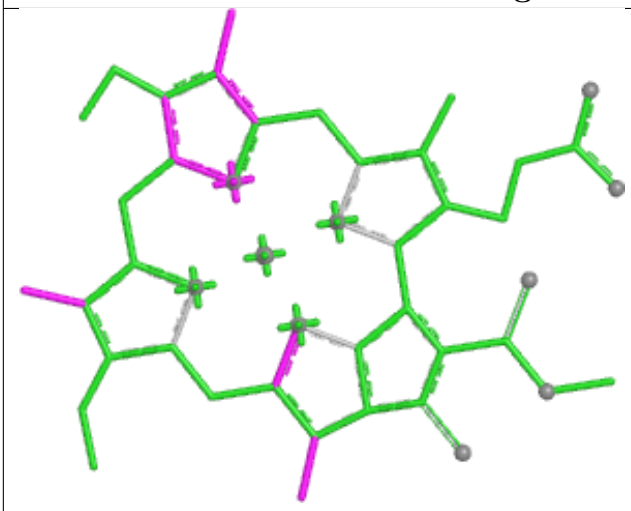


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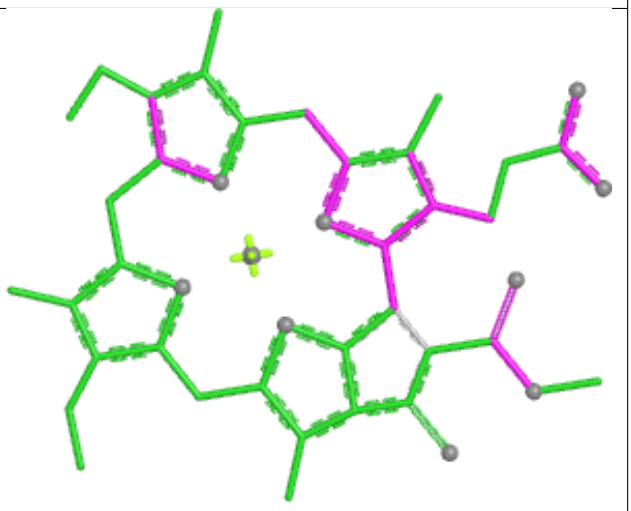


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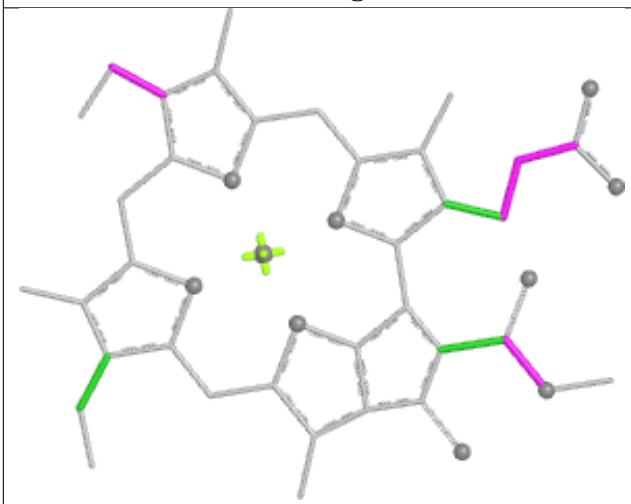
Ligand CLA G 1212



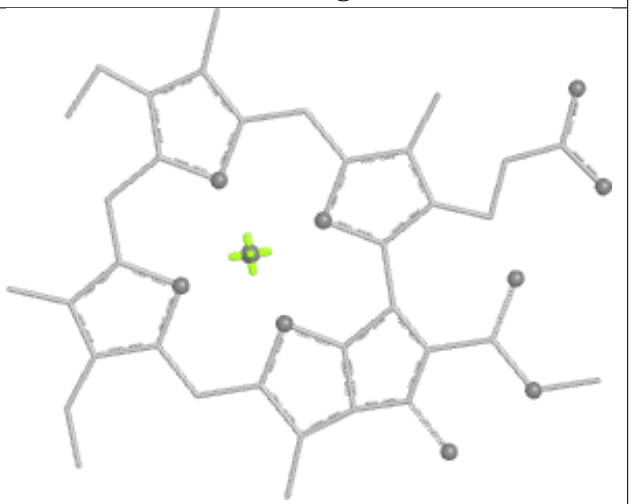
Bond lengths



Bond angles

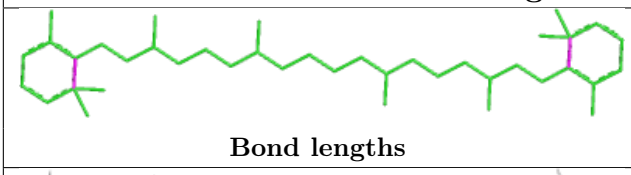


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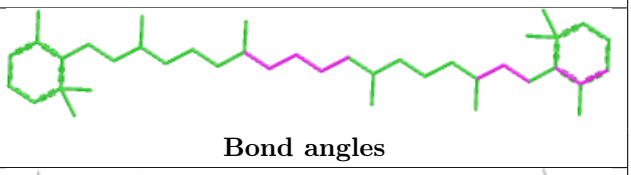


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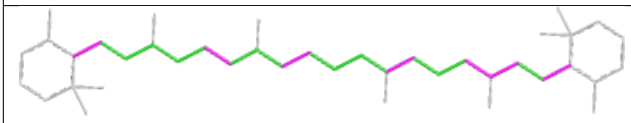
Ligand BCR h 602



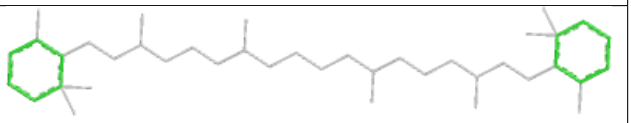
Bond lengths



Bond angles

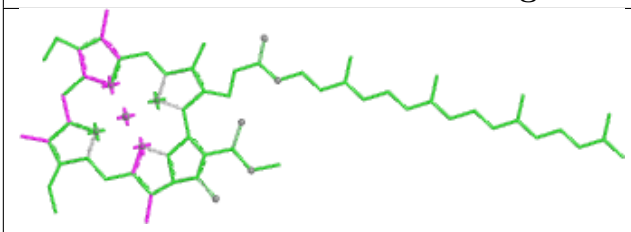


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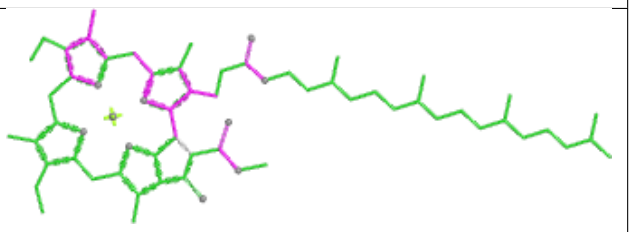


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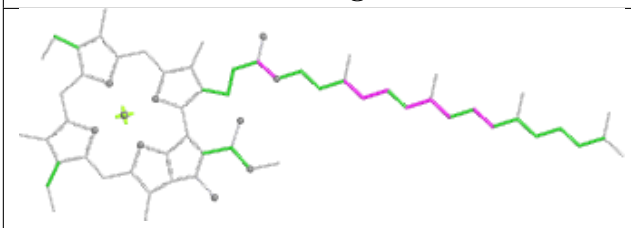
Ligand CLA a 1125



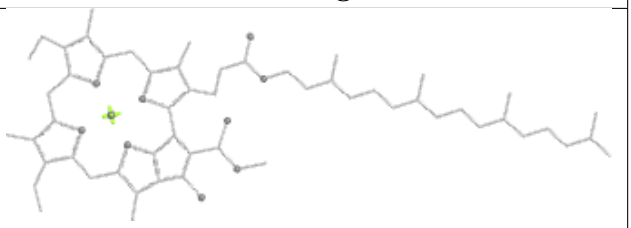
Bond lengths



Bond angles

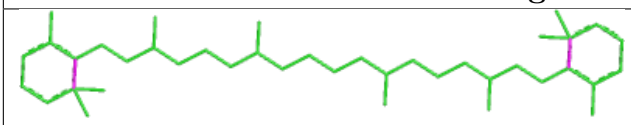


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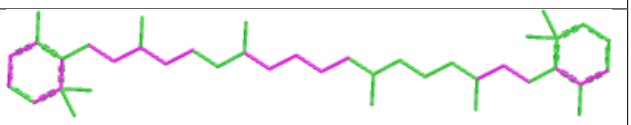


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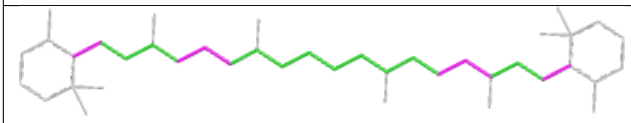
Ligand BCR s 602



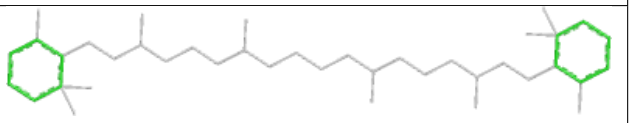
Bond lengths



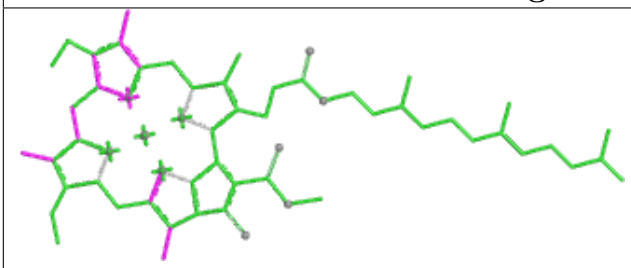
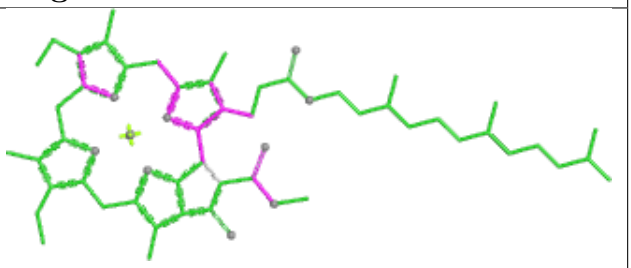
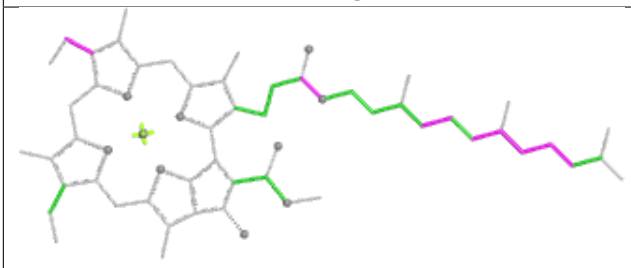
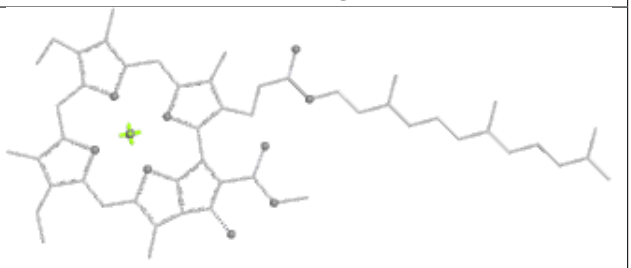
Bond angles

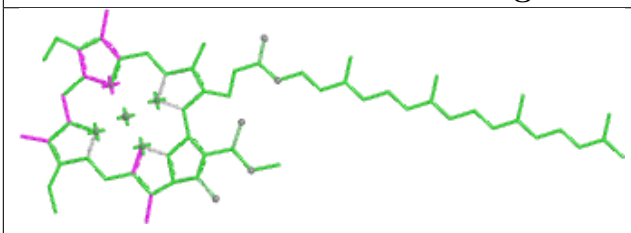
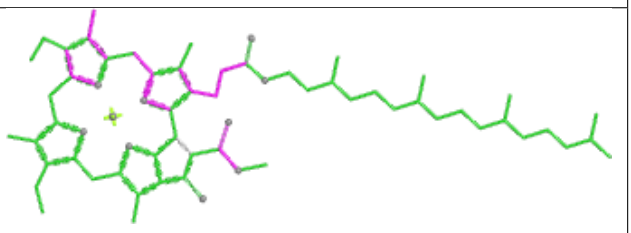
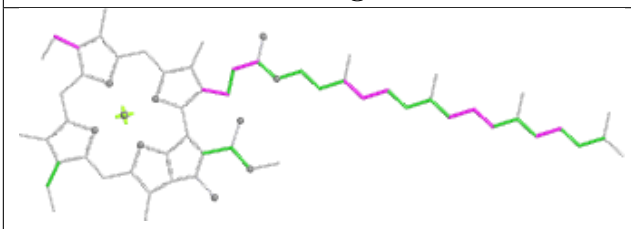
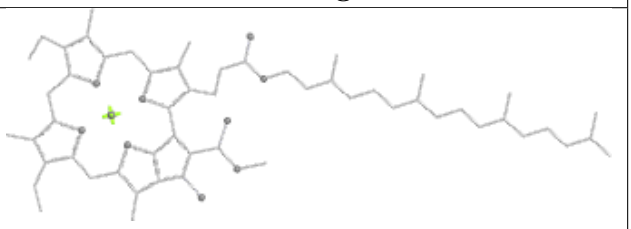


Torsions

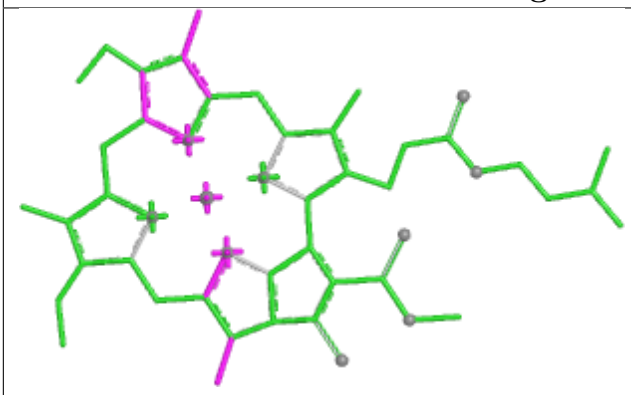


Rings

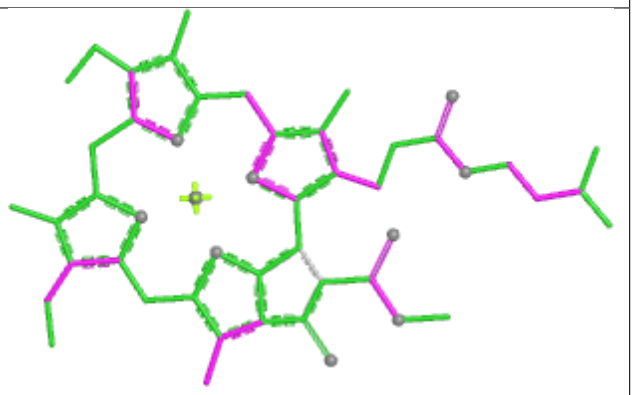
Ligand CLA g 509	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA G 1238	
	
Bond lengths	Bond angles
	
Torsions	Rings

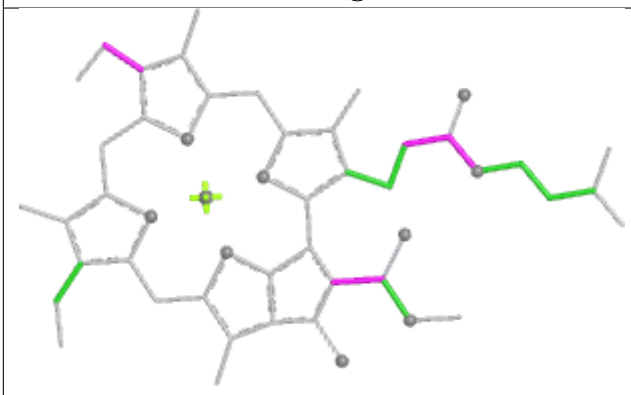
Ligand CLA s 502



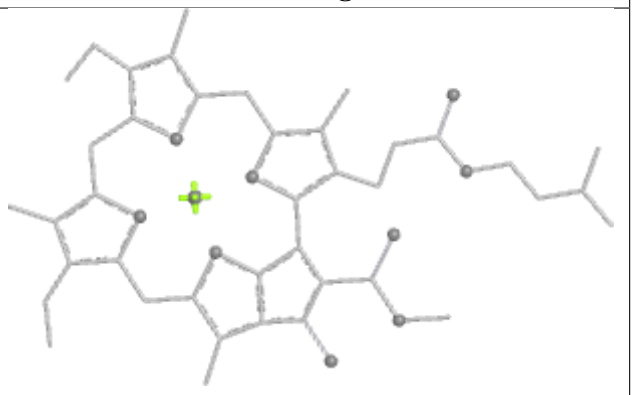
Bond lengths



Bond angles

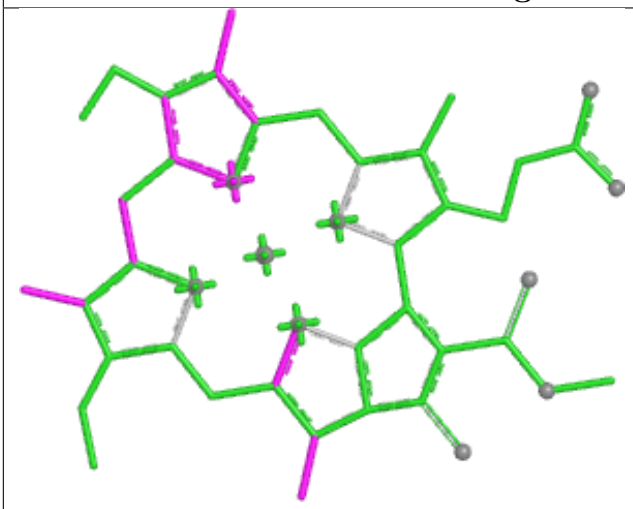


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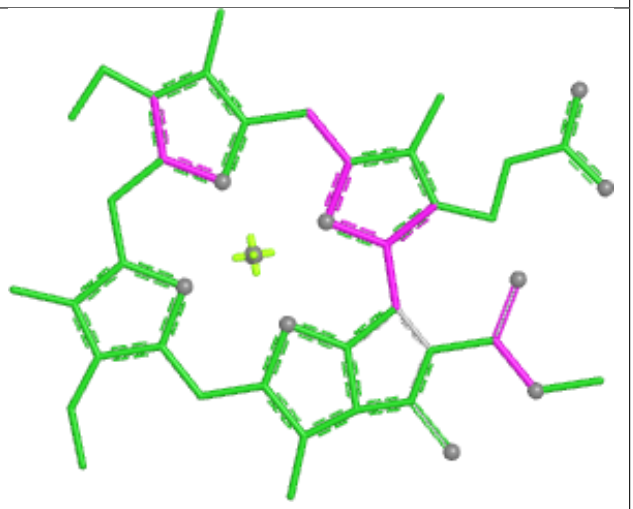


Rings

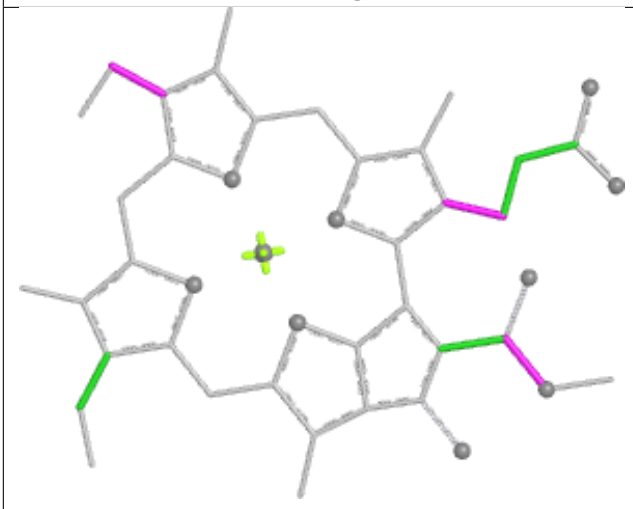
Ligand CLA G 1232



Bond lengths



Bond angles

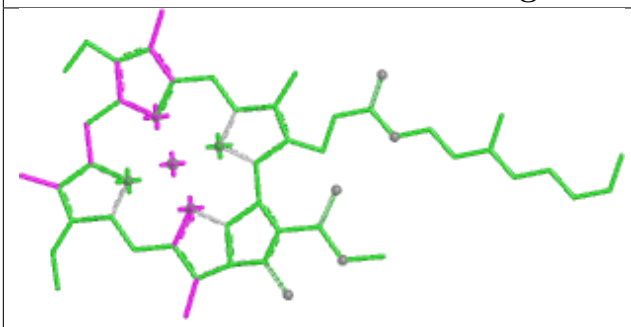


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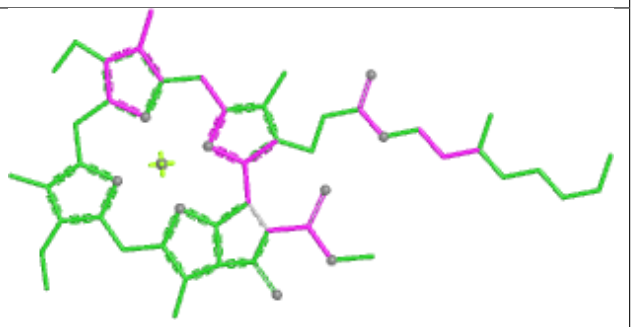


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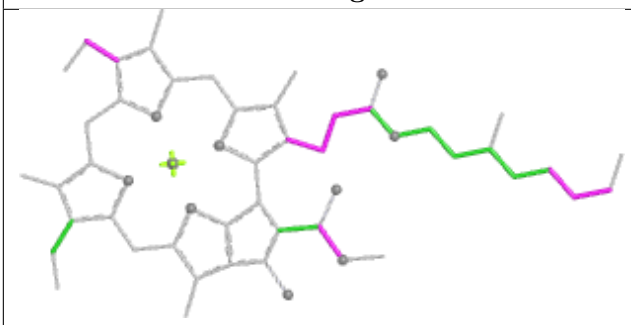
Ligand CLA a 1116



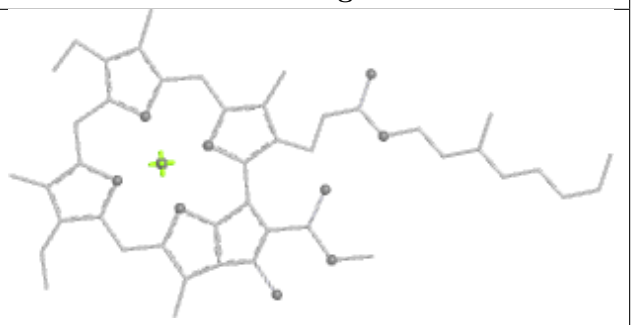
Bond lengths



Bond angles

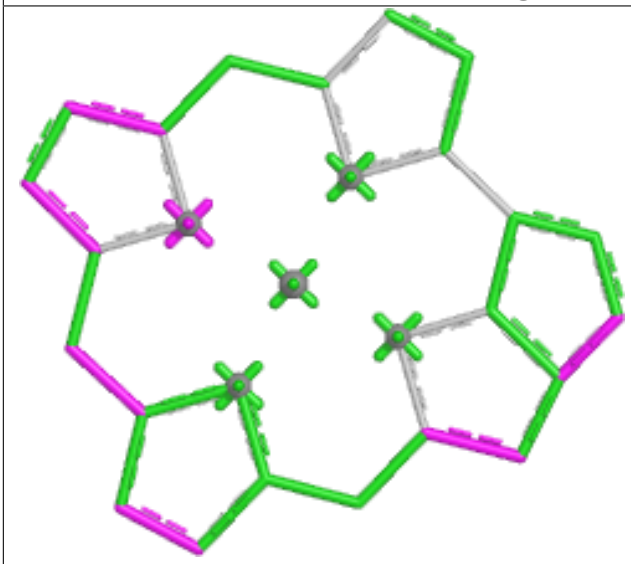


Torsions

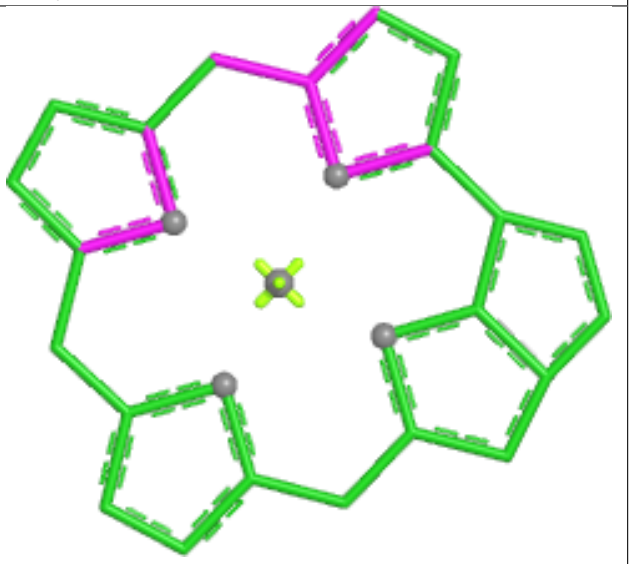


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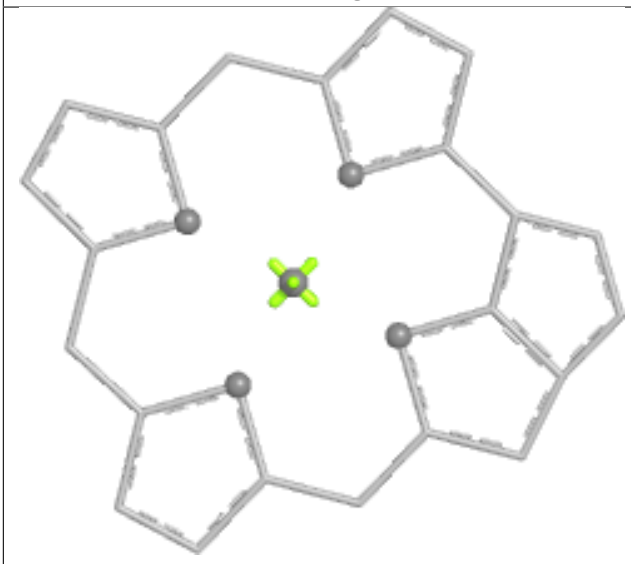
Ligand CLA Q 1302



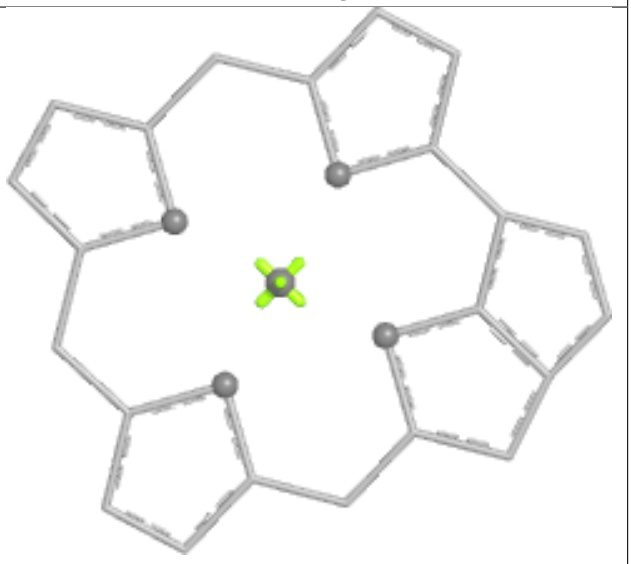
Bond lengths



Bond angles

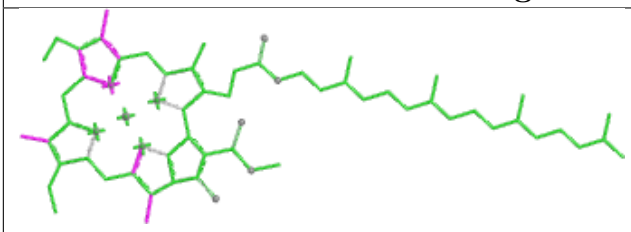


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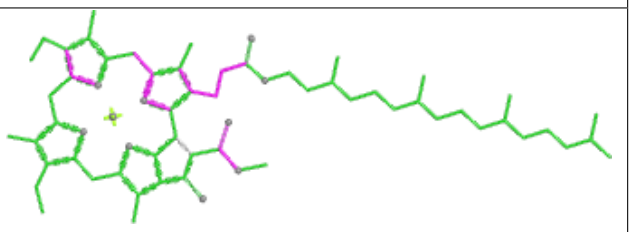


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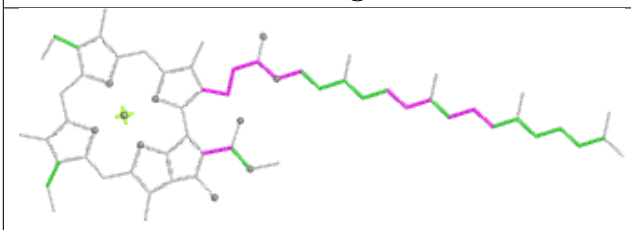
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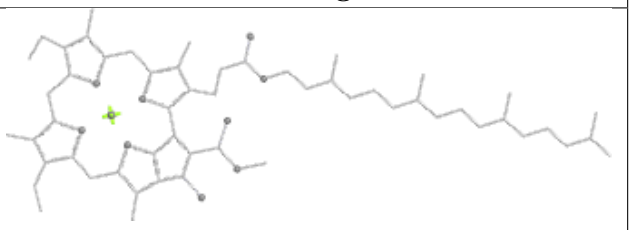
Bond lengths



Bond angles



Torsions

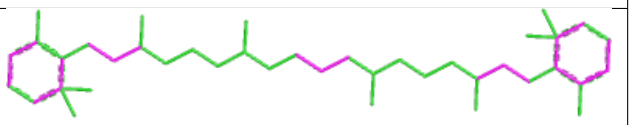


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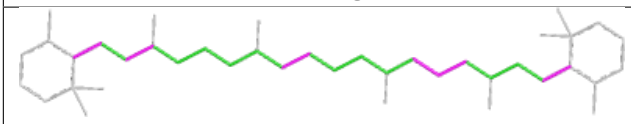
Ligand BCR u 601



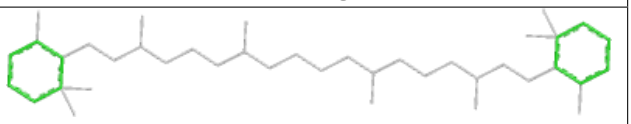
Bond lengths



Bond angles

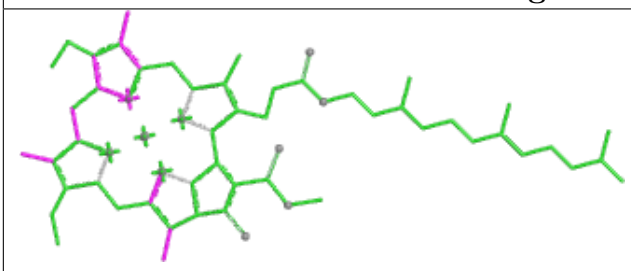


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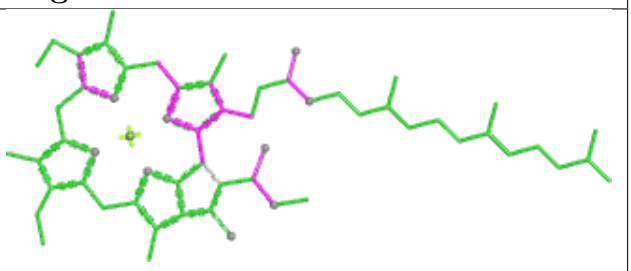


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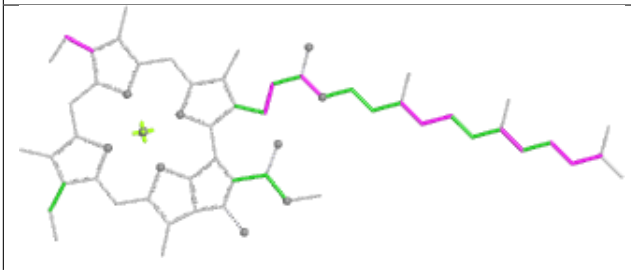
Ligand CLA g 504



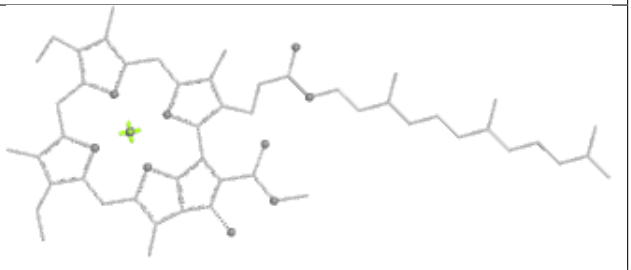
Bond lengths



Bond angles

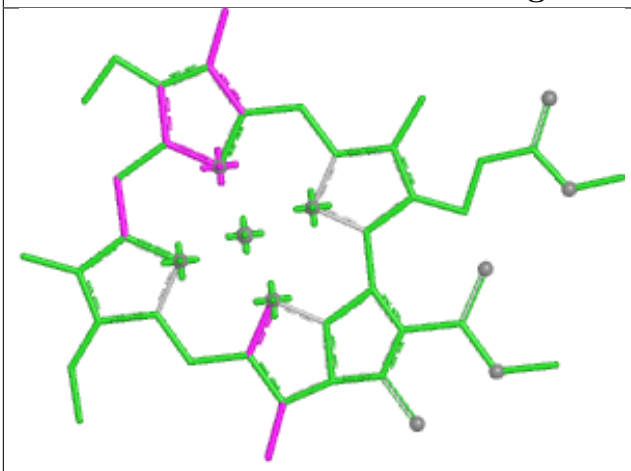


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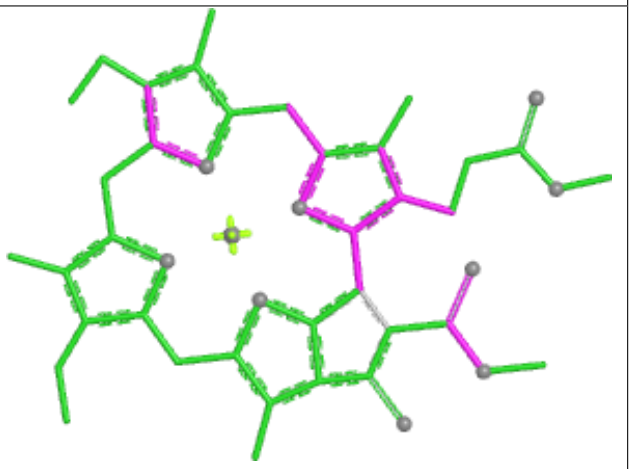


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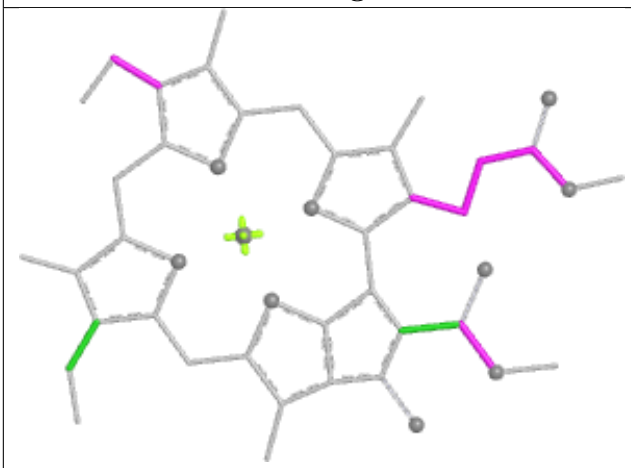
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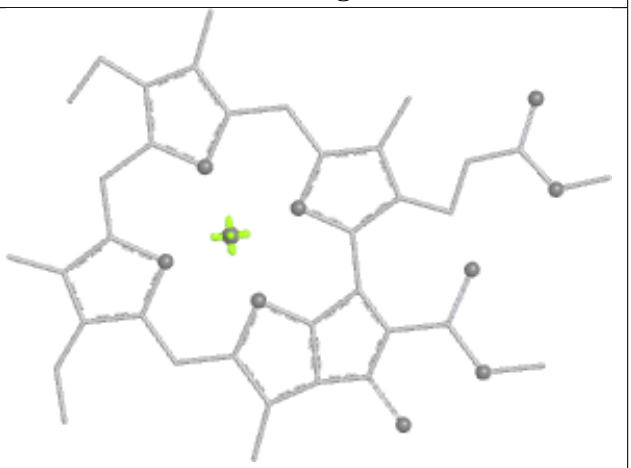
Bond lengths



Bond angles

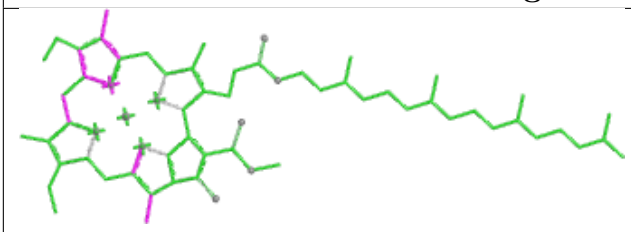


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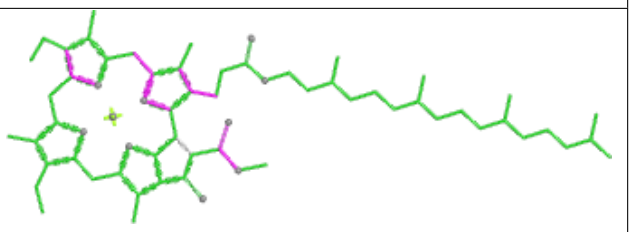


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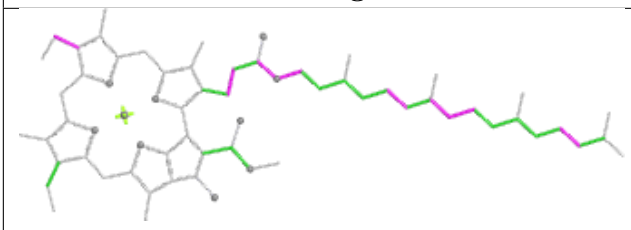
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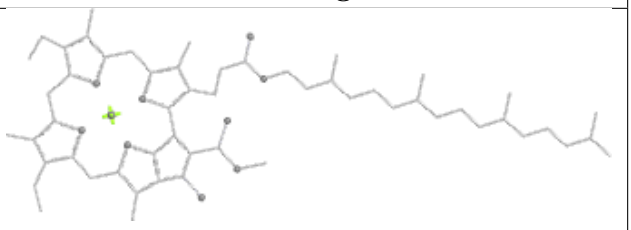
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Bond angles

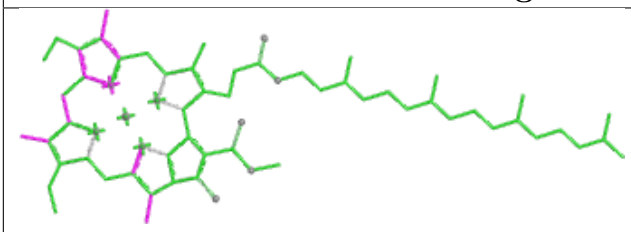


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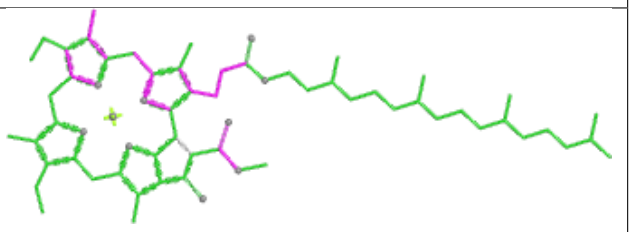


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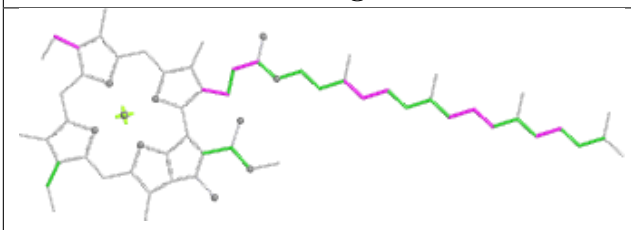
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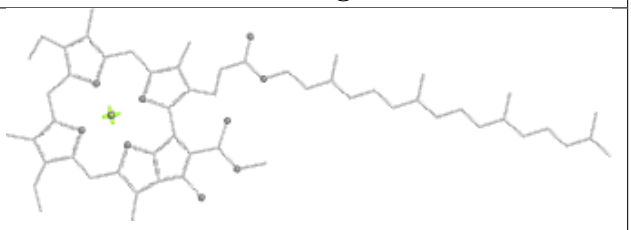
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Bond angles

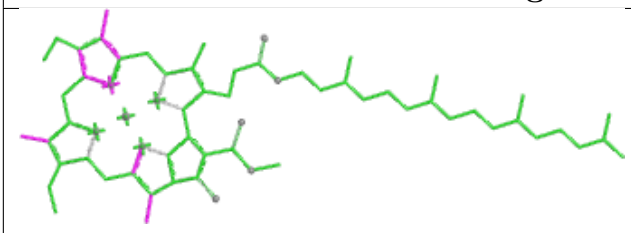


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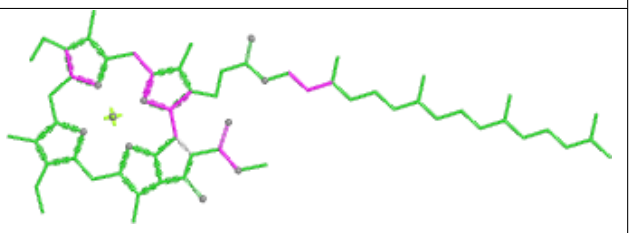


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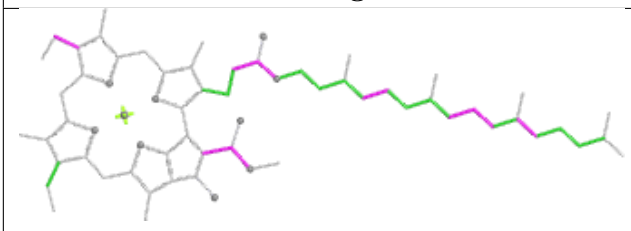
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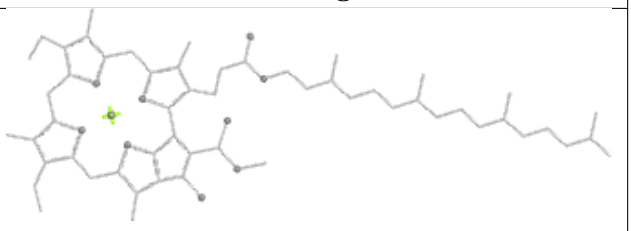
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Bond angles

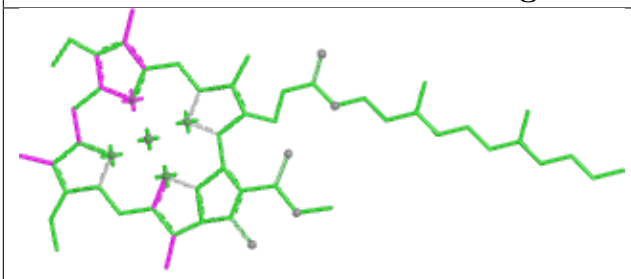


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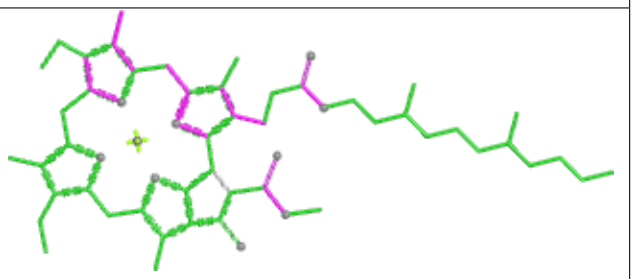


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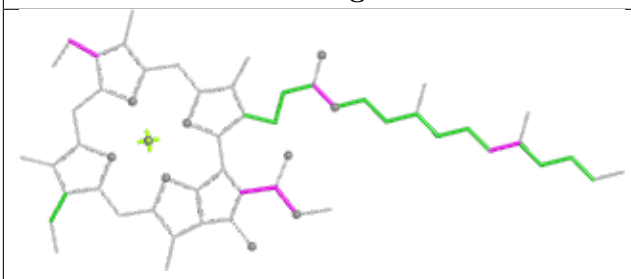
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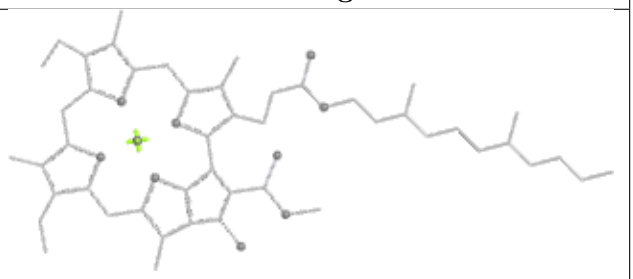
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Bond angles

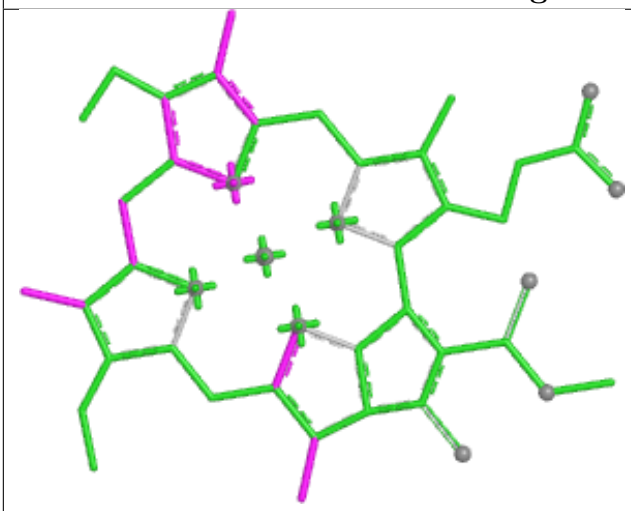


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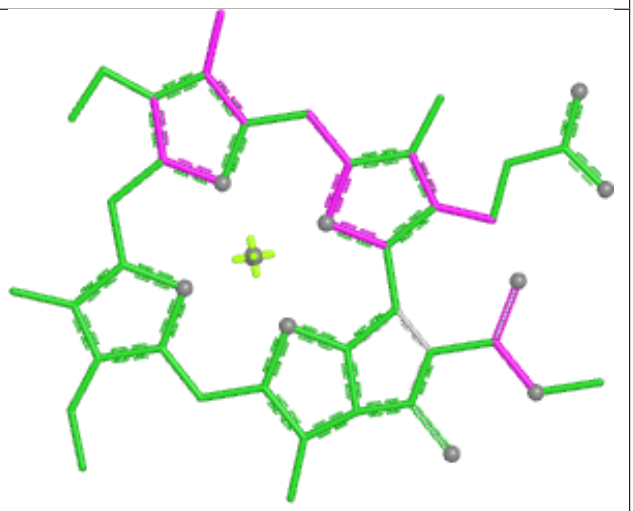


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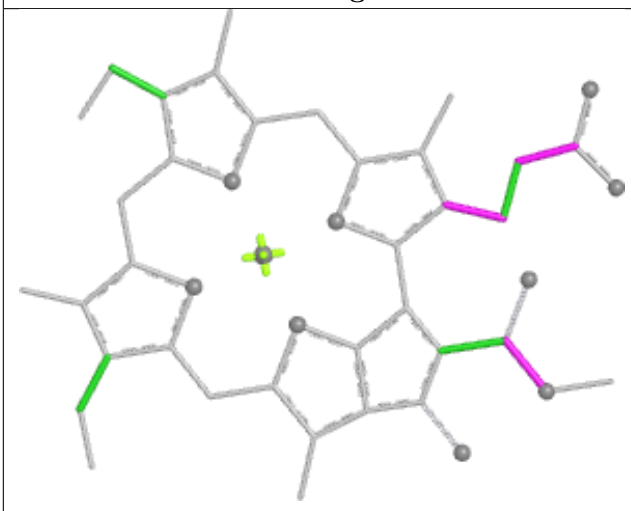
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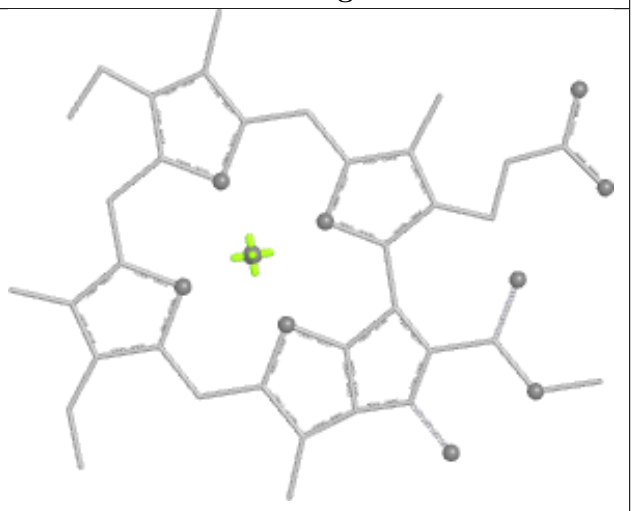
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Bond angles

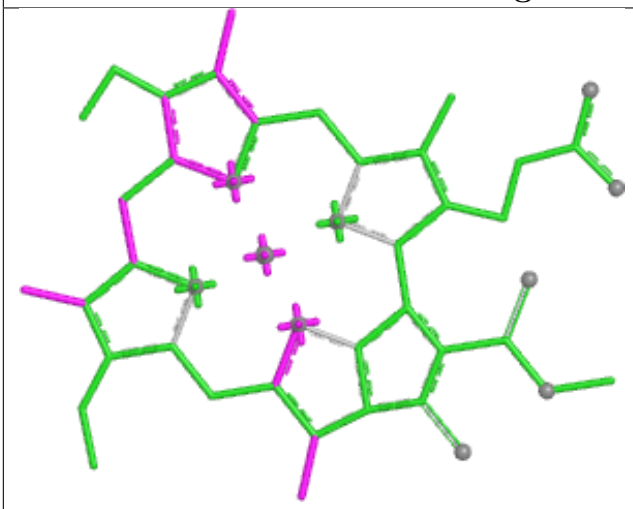


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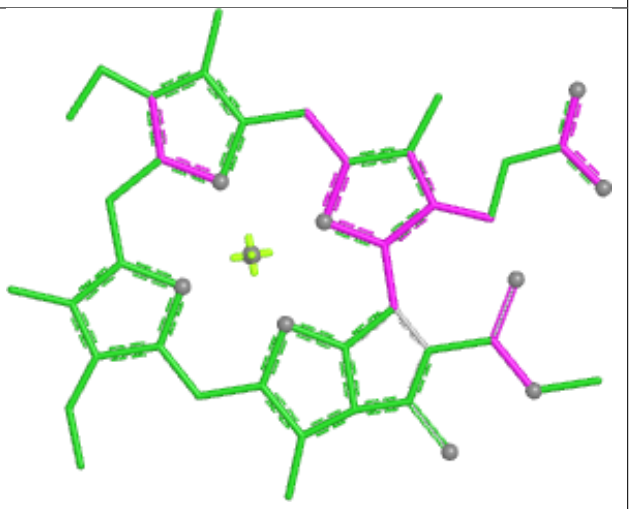


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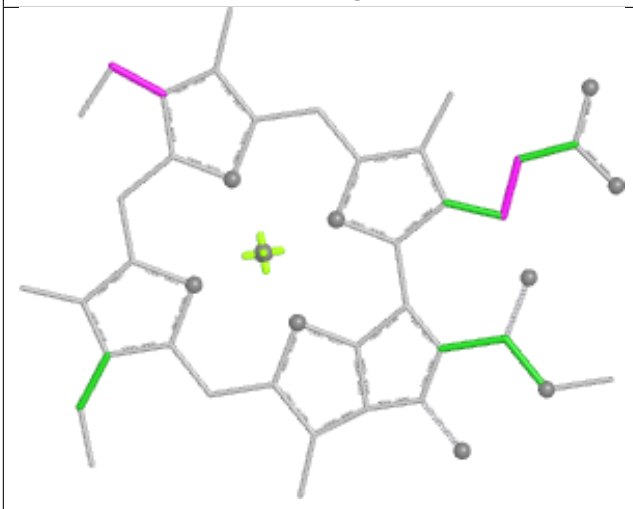
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Bond lengths



Bond angles

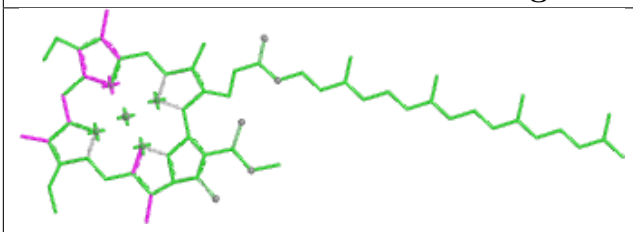


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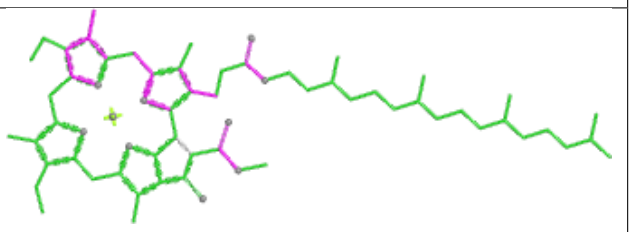


Rings

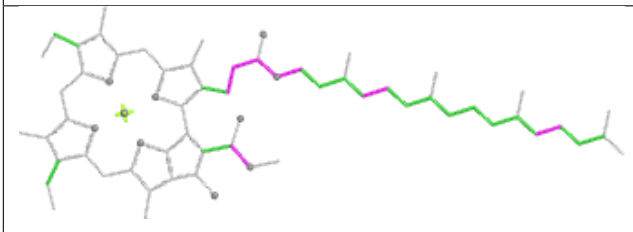
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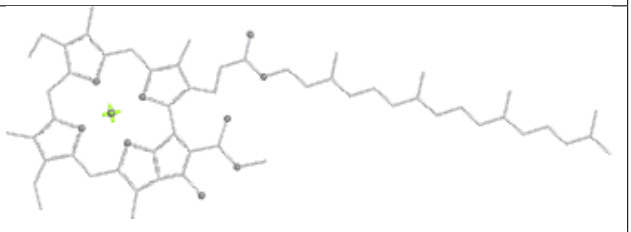
Bond lengths



Bond angles

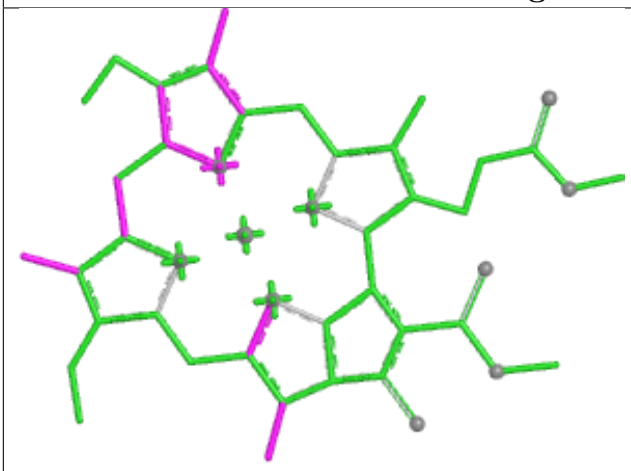


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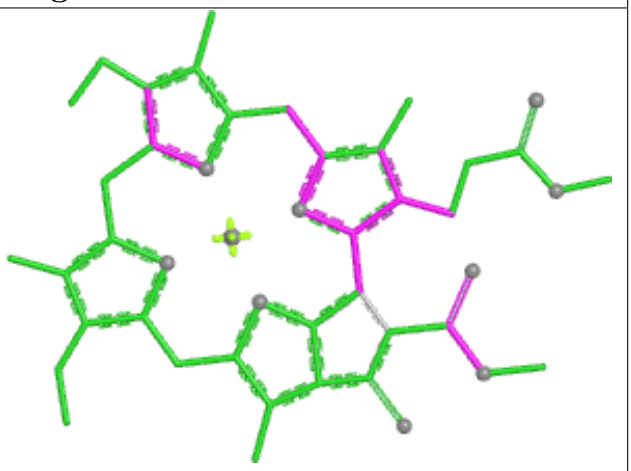


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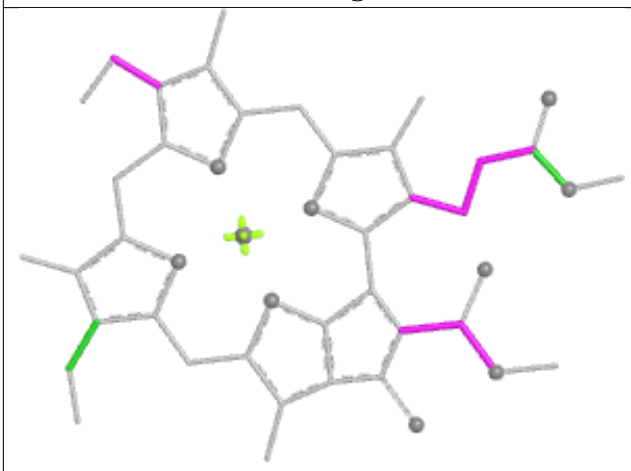
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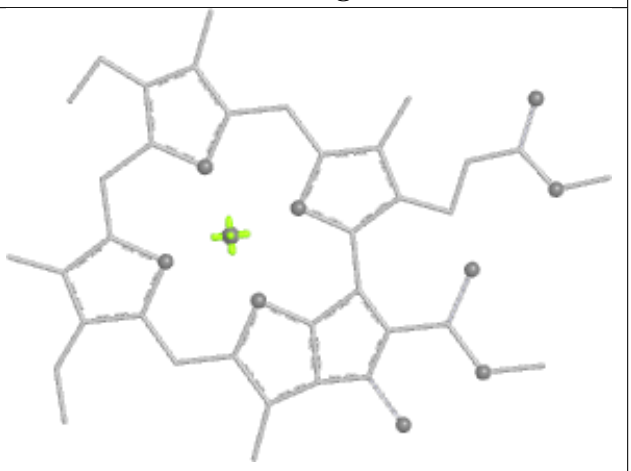
Bond lengths



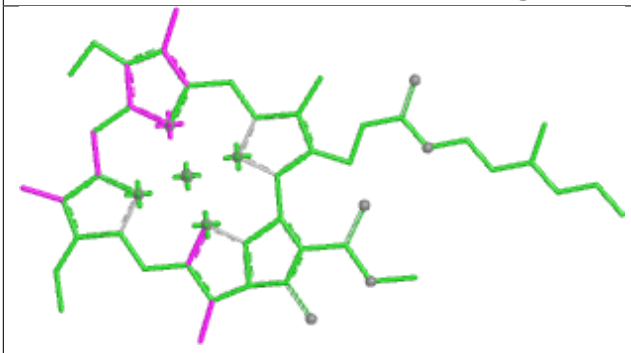
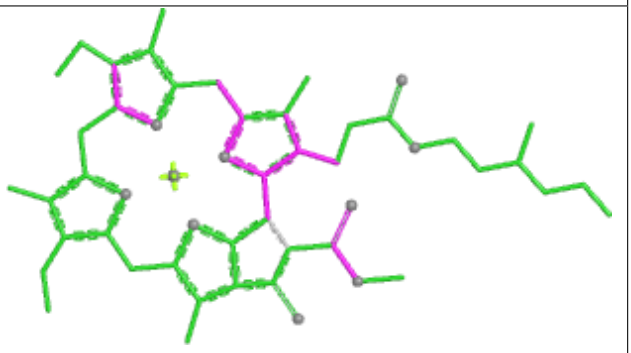
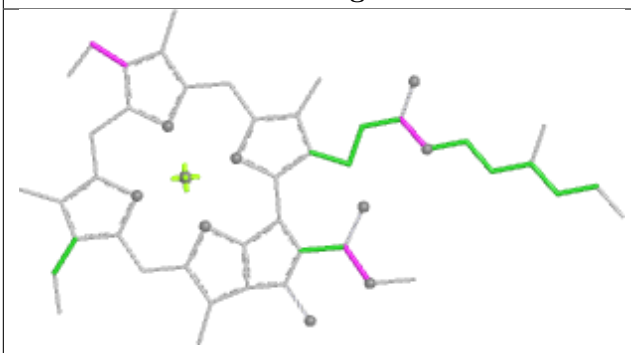
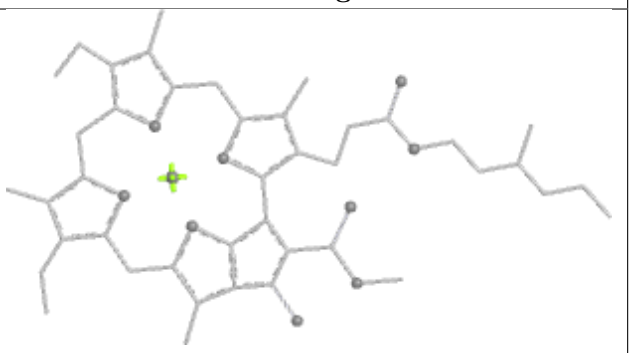
Bond angles

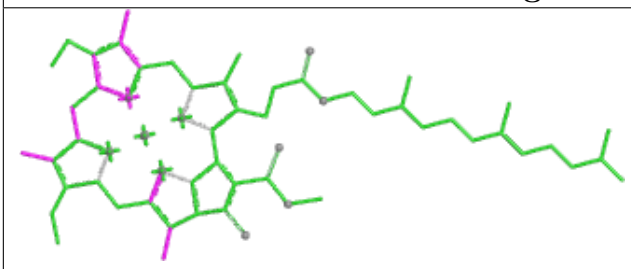
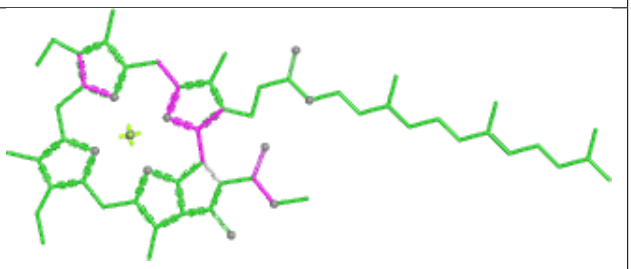
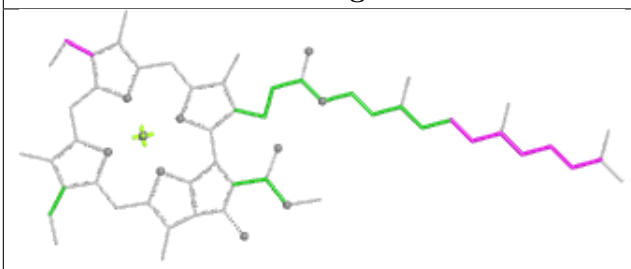
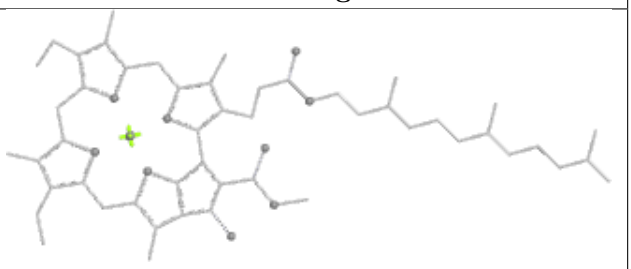


Torsions

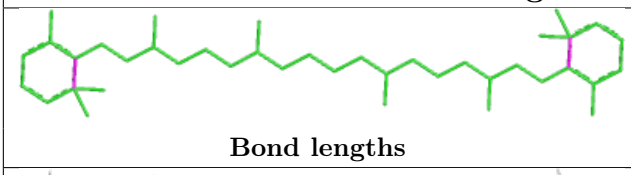


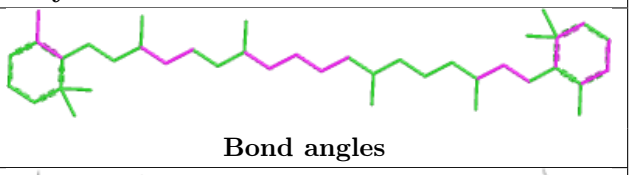
Rings

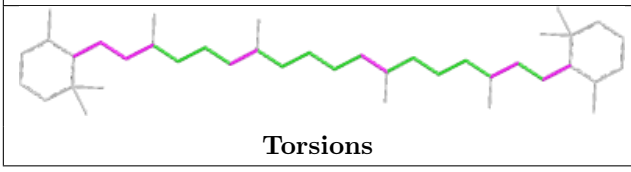
Ligand CLA H 1801	
	
Bond lengths	Bond angles
	
Torsions	Rings

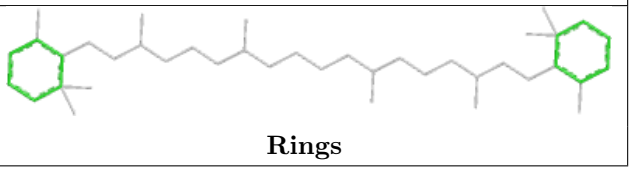
Ligand CLA X 504	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand BCR y 603

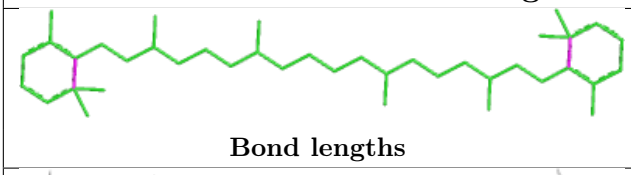

Bond lengths

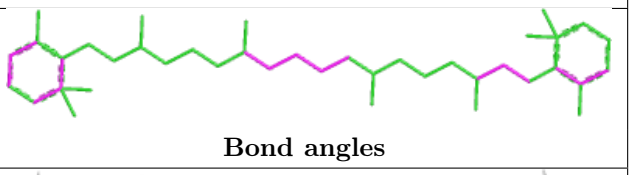

Bond angles


Torsions

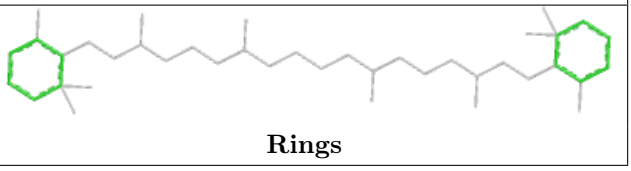

Rings

Ligand BCR Y 604

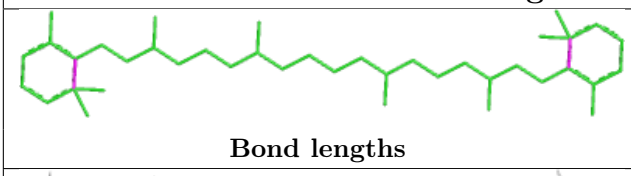

Bond lengths

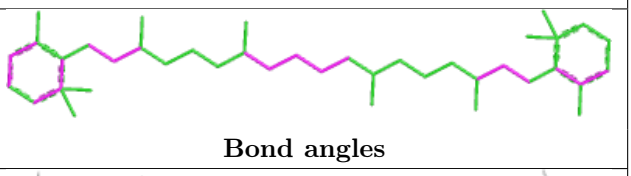

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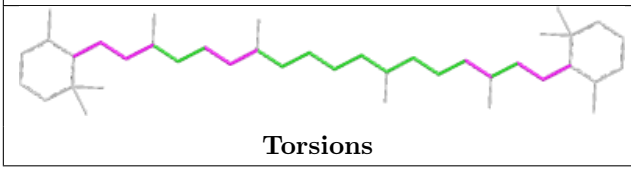

Torsions

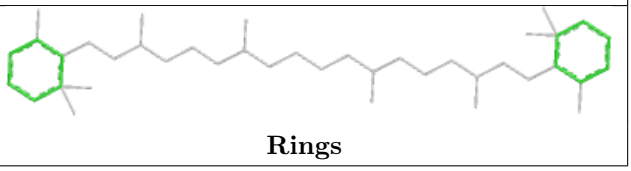

Rings

Ligand BCR o 603

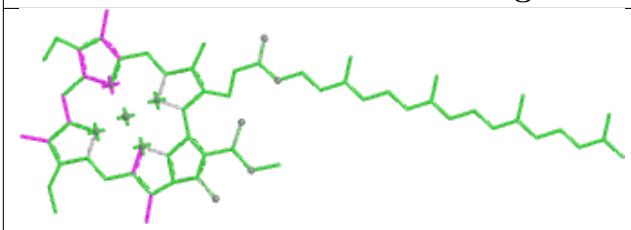

Bond lengths

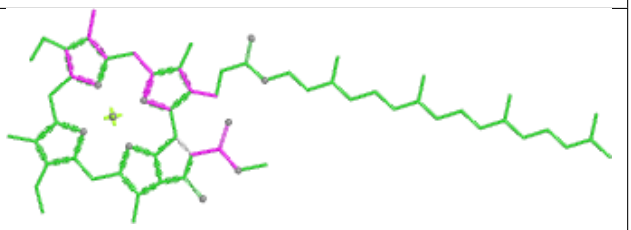

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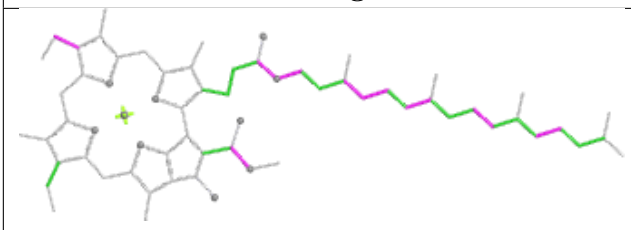

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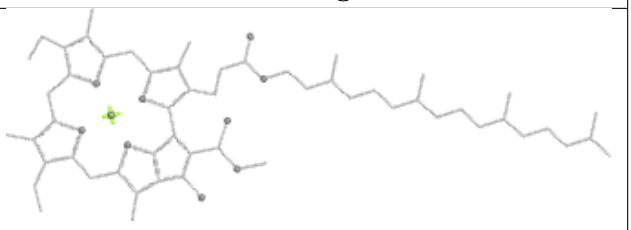

Rings

Ligand CLA H 1109

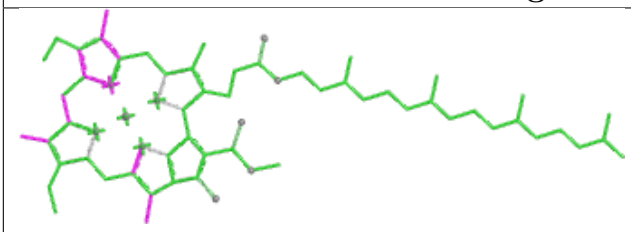

Bond lengths


Bond angles

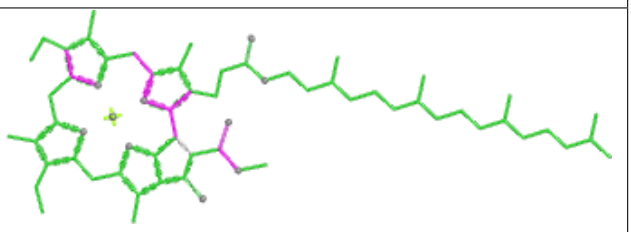

Torsions


Rings

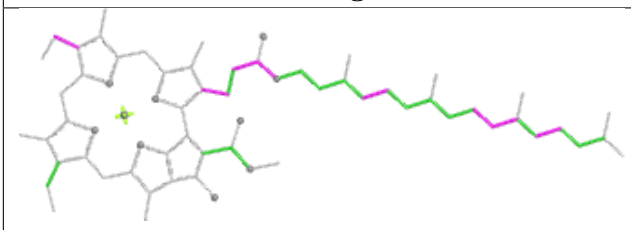
Ligand CLA n 505



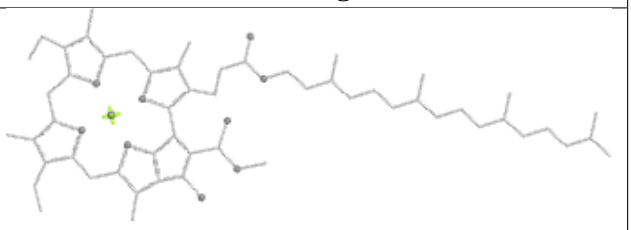
Bond lengths



Bond angles

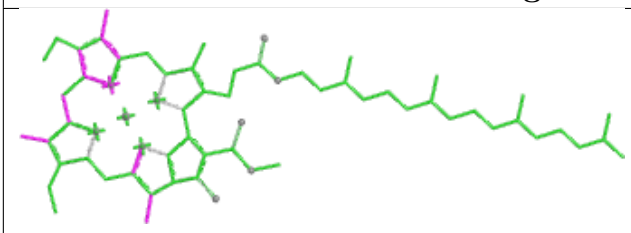


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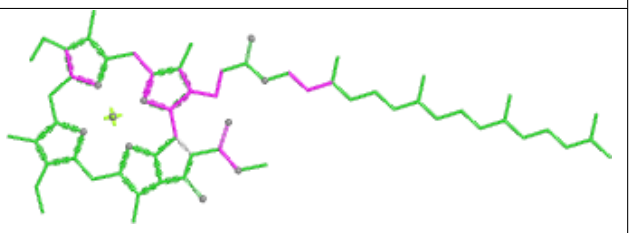


Rings

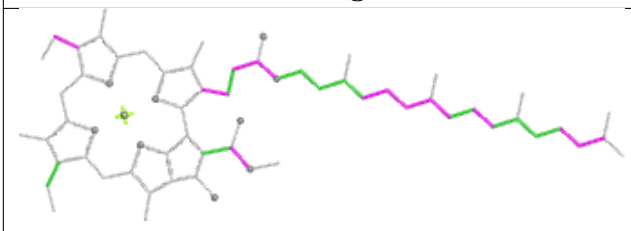
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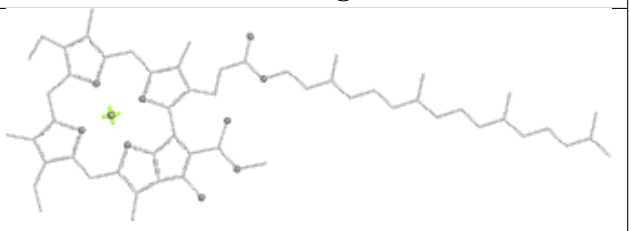
Bond lengths



Bond angles

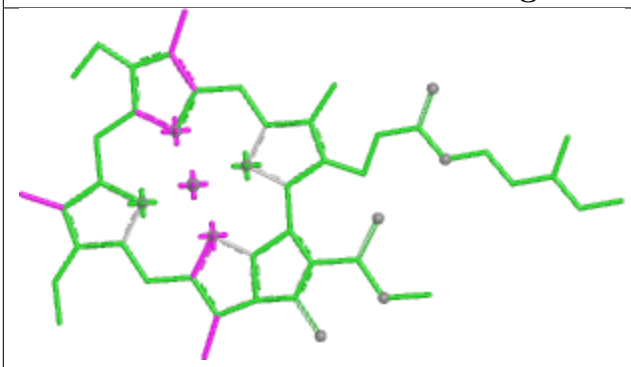


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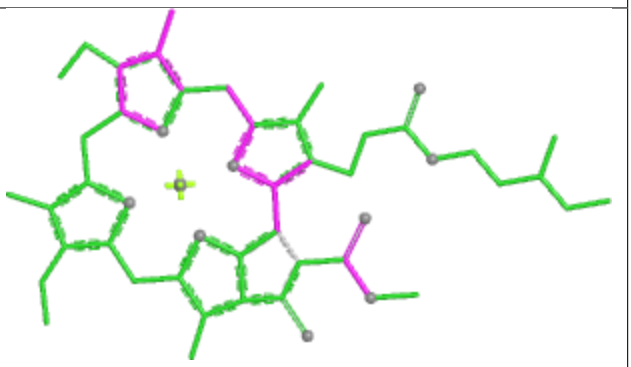


Rings

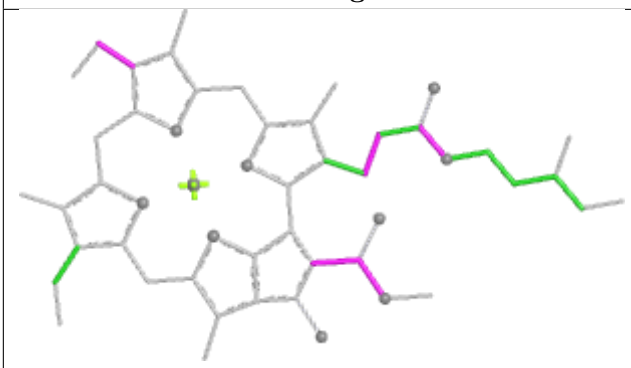
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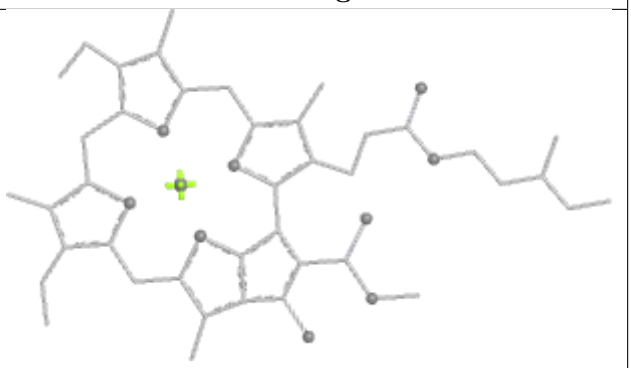
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Bond angles

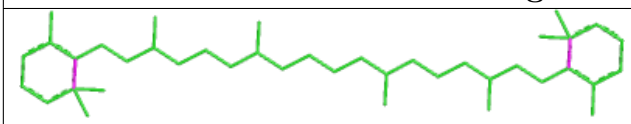


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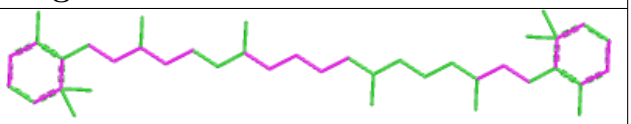


Rings

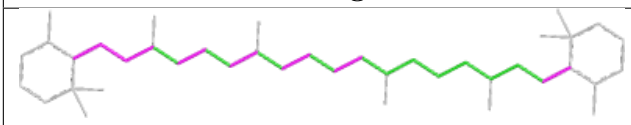
Ligand BCR g 604



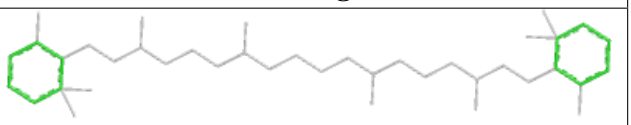
Bond lengths



Bond angles

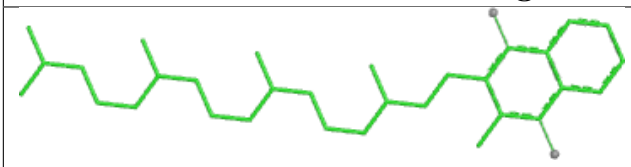


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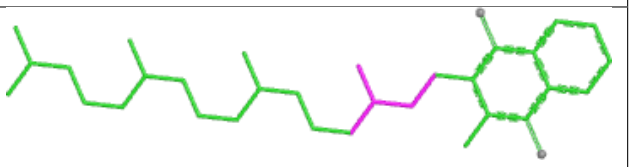


Rings

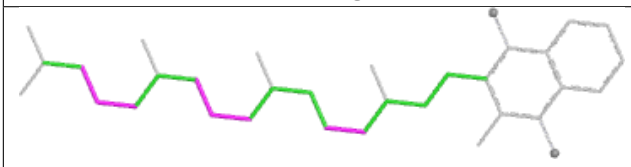
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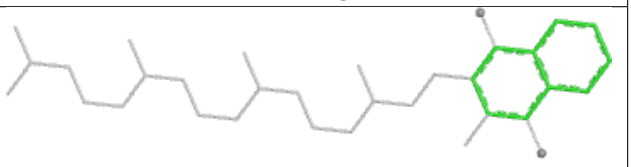
Bond lengths



Bond angles

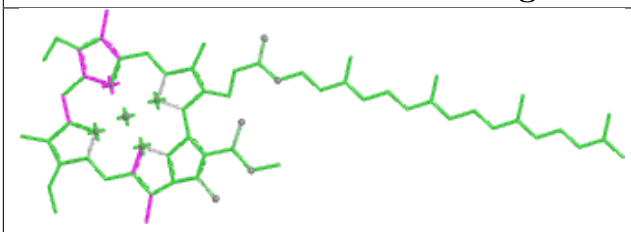


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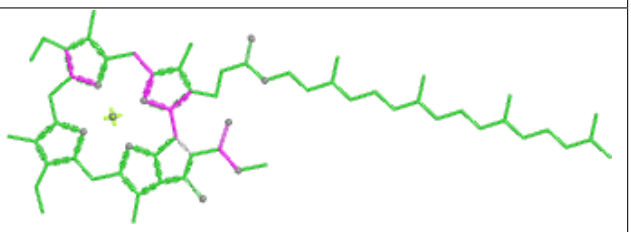


Rings

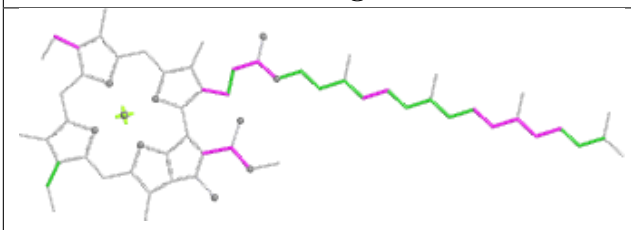
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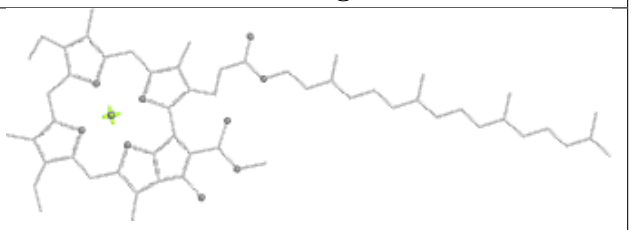
Bond lengths



Bond angles

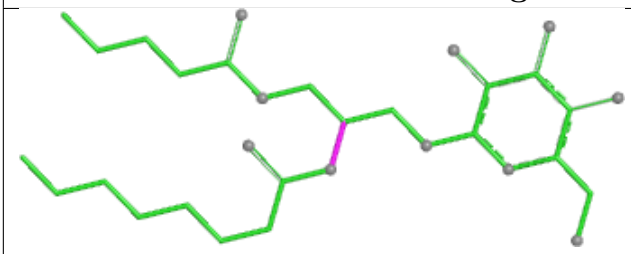


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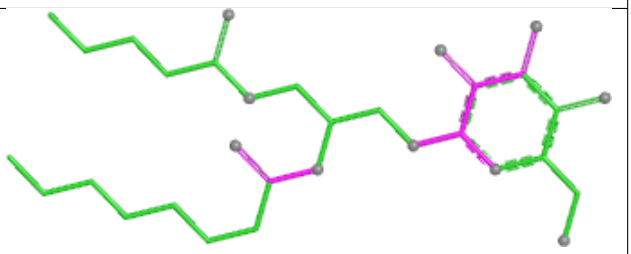


Rings

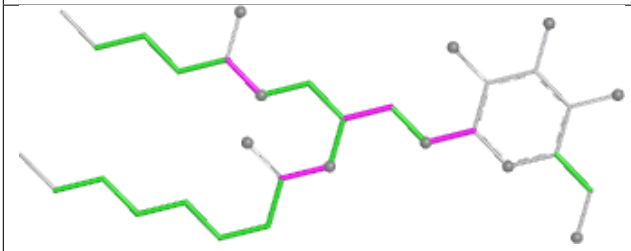
Ligand LMG A 4201



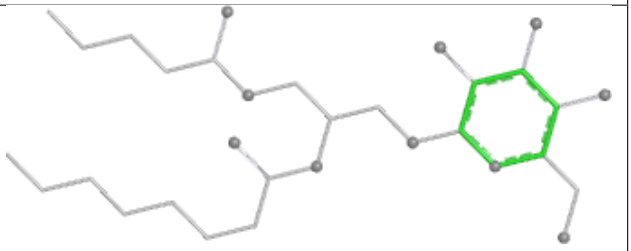
Bond lengths



Bond angles

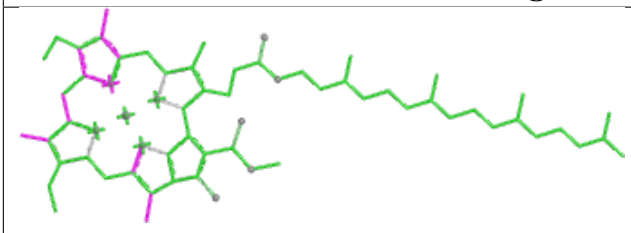


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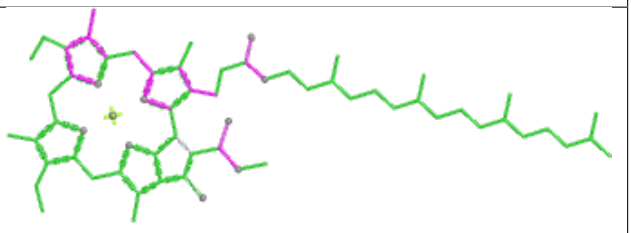


Rings

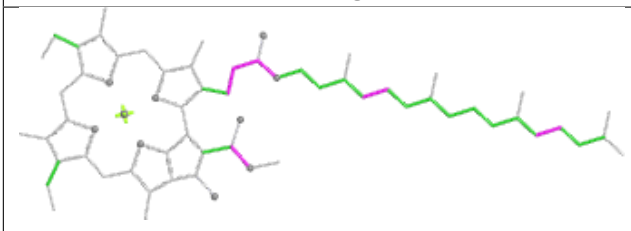
Ligand CLA x 511



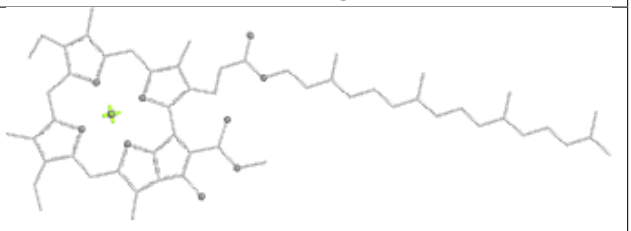
Bond lengths



Bond angles

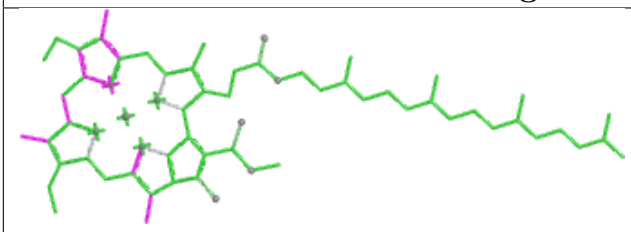


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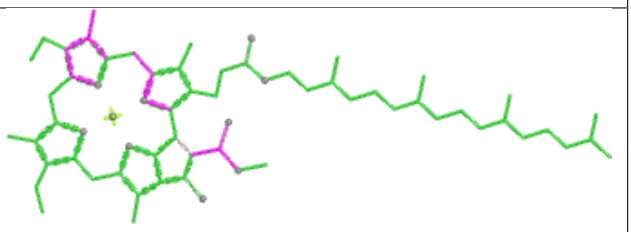


Rings

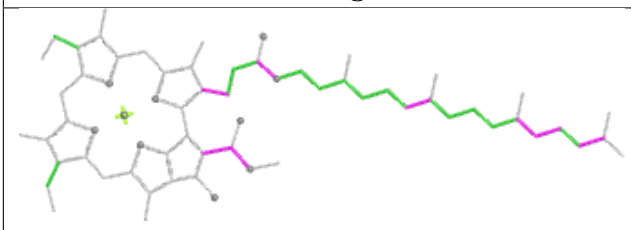
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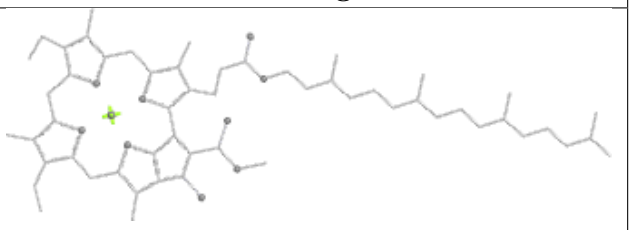
Bond lengths



Bond angles

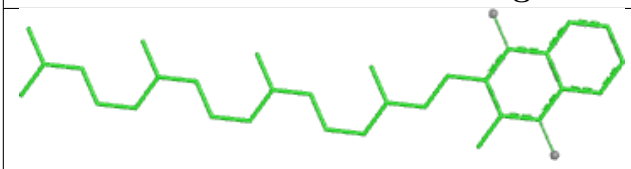


Torsions

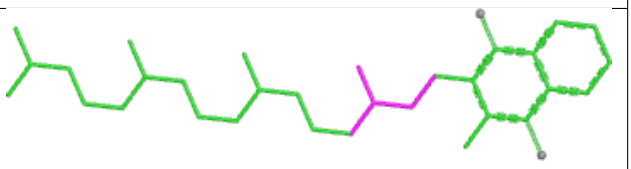


Rings

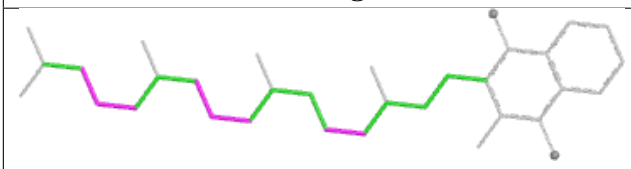
Ligand PQN B 2002



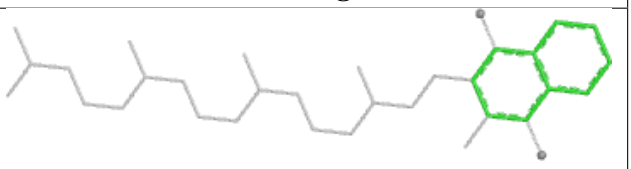
Bond lengths



Bond angles

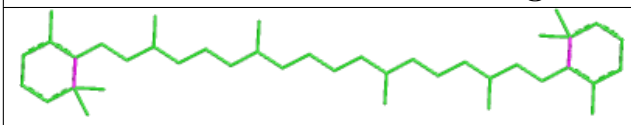


Torsions

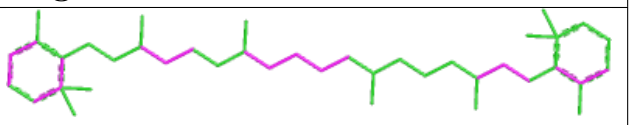


Rings

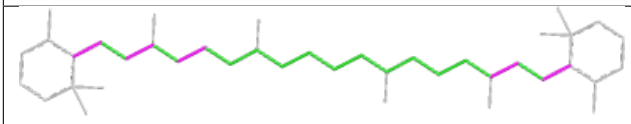
Ligand BCR g 603



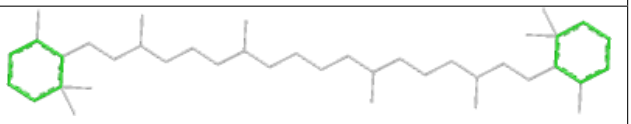
Bond lengths



Bond angles

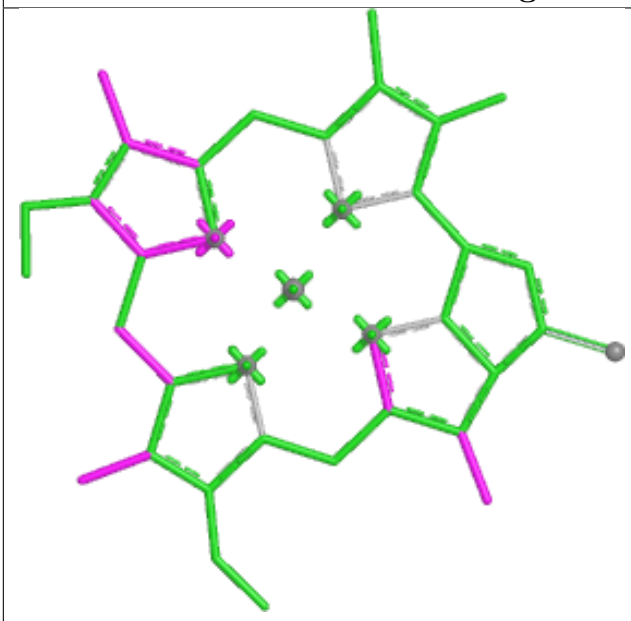


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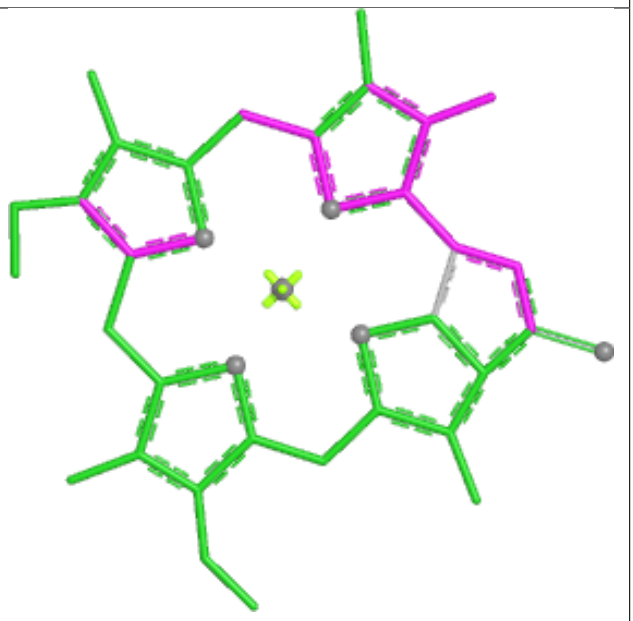


Rings

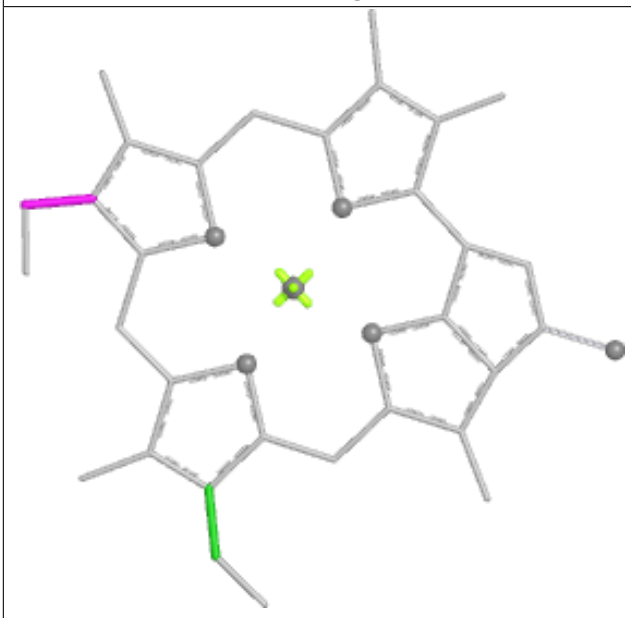
Ligand CLA J 1303



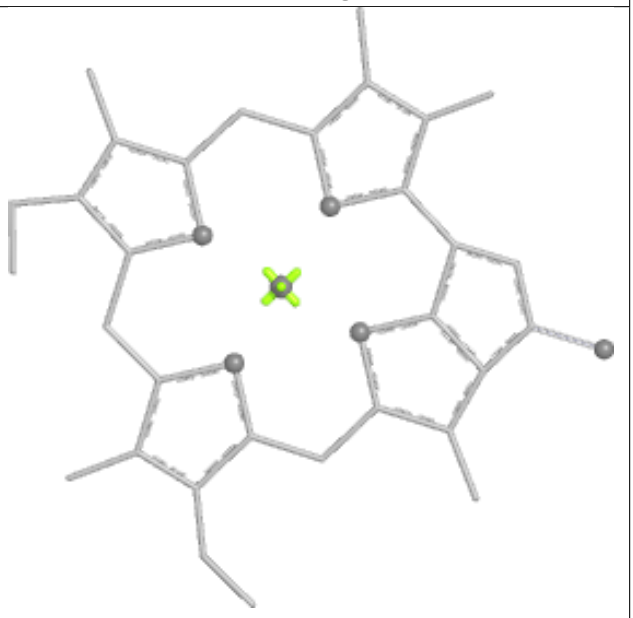
Bond lengths



Bond angles

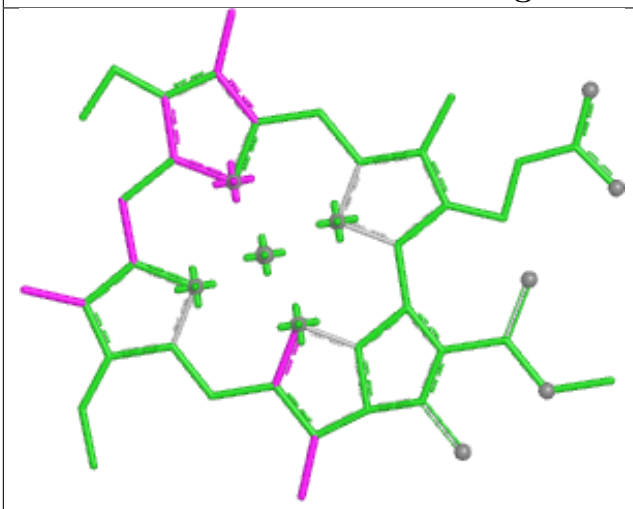


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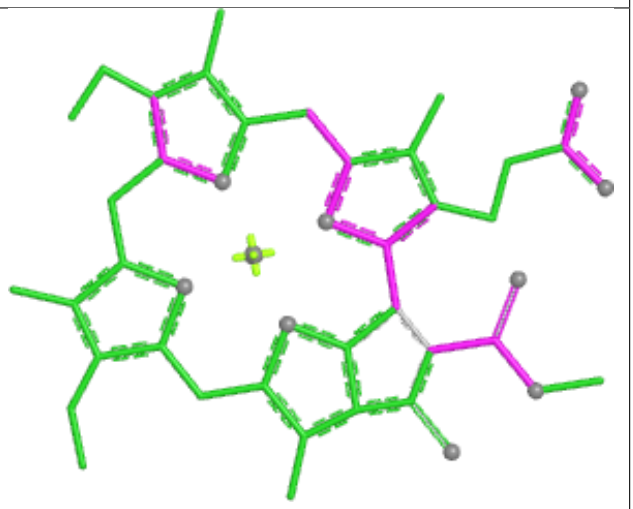


Rings

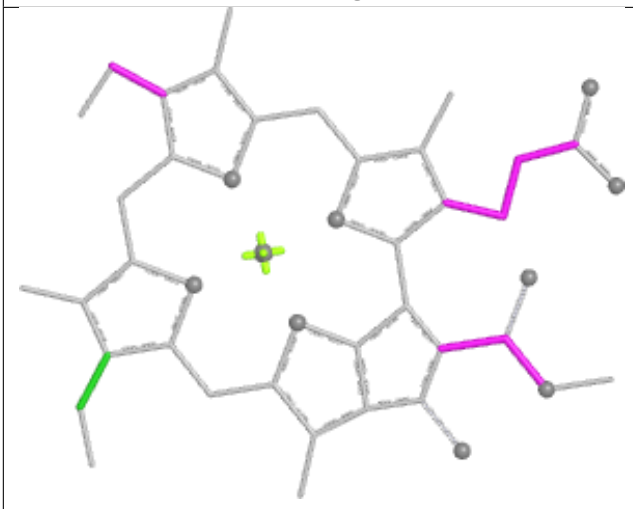
Ligand CLA H 1134



Bond lengths



Bond angles

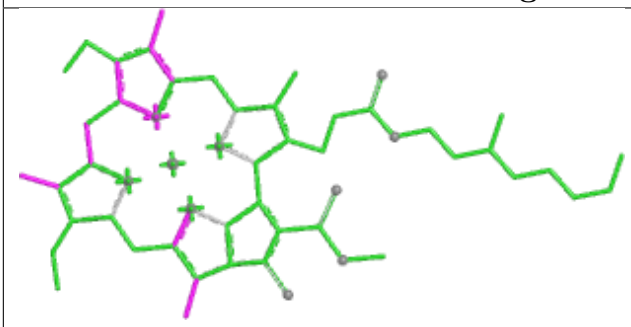


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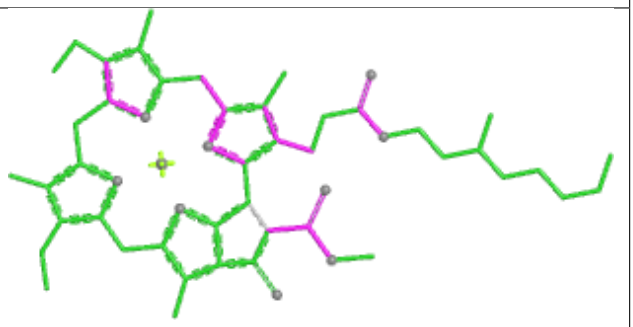


Rings

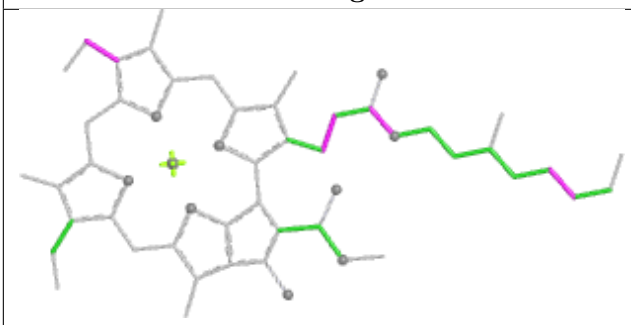
Ligand CLA a 1110



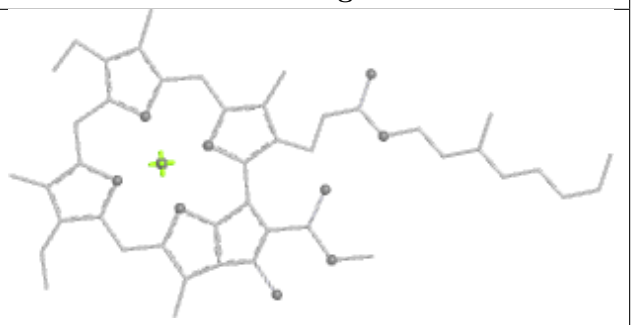
Bond lengths



Bond angles



Torsions

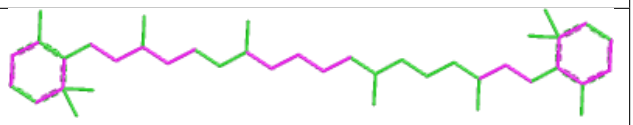


Rings

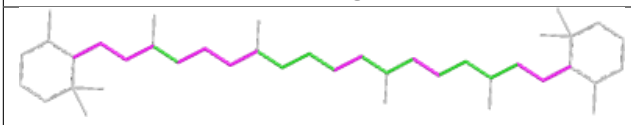
Ligand BCR X 604



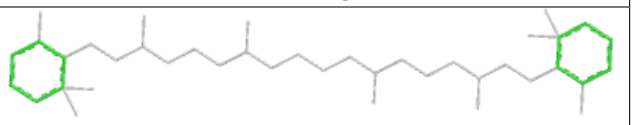
Bond lengths



Bond angles

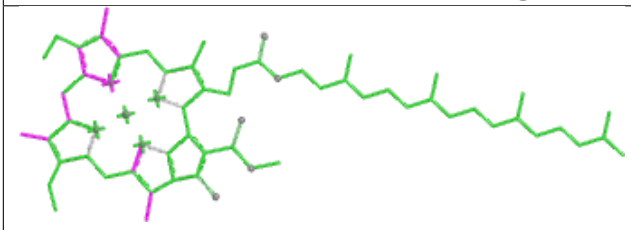


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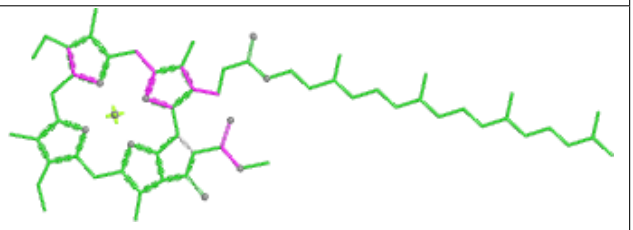


Rings

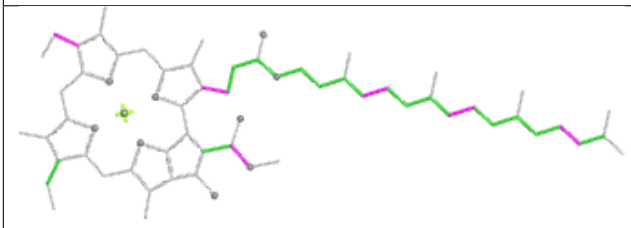
Ligand CLA H 1104



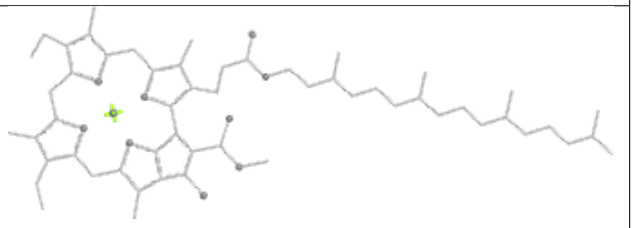
Bond lengths



Bond angles

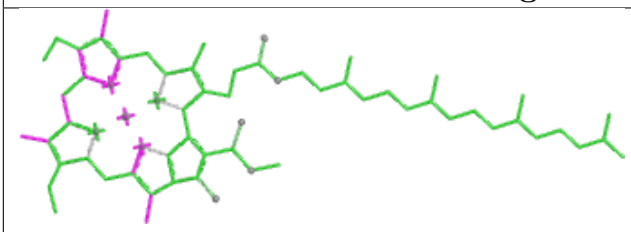


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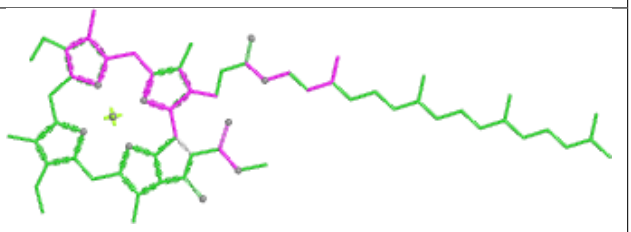


Rings

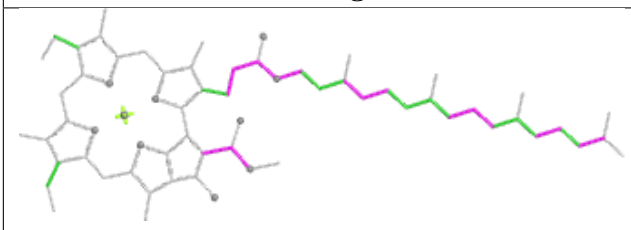
Ligand CLA a 1013



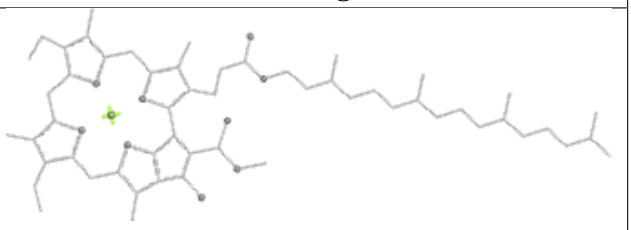
Bond lengths



Bond angles

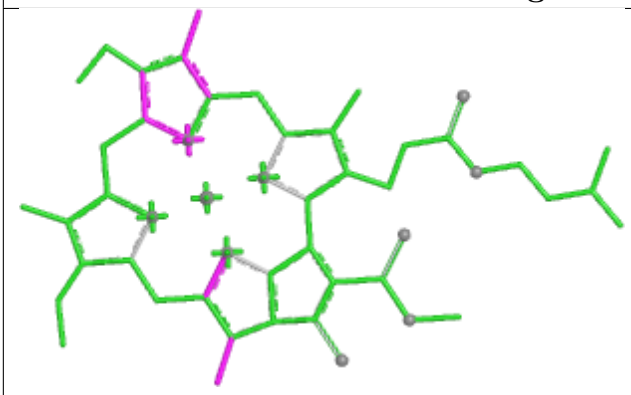


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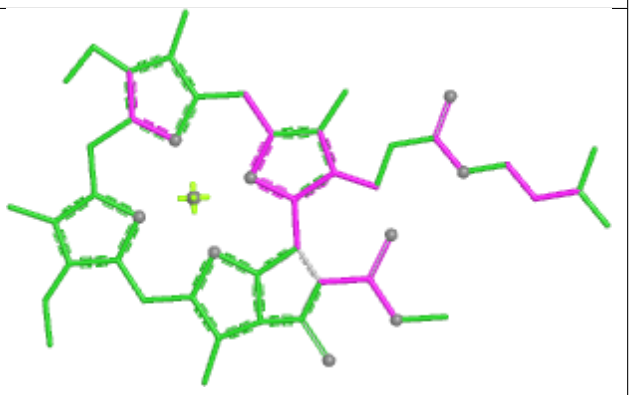


Rings

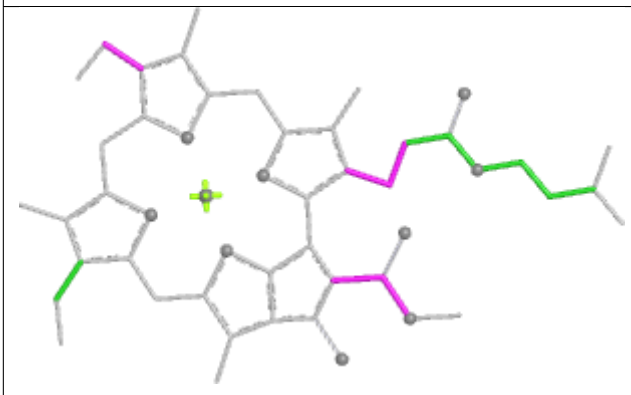
Ligand CLA u 502



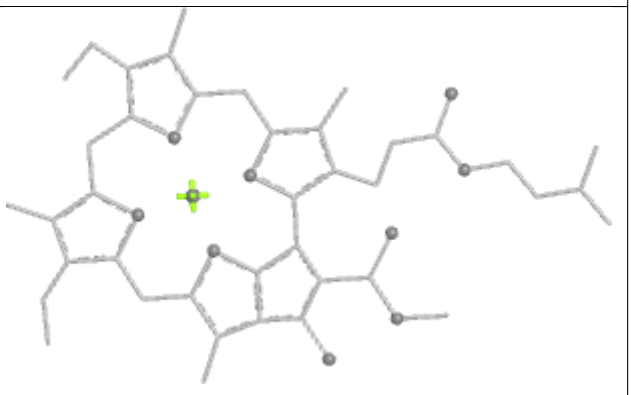
Bond lengths



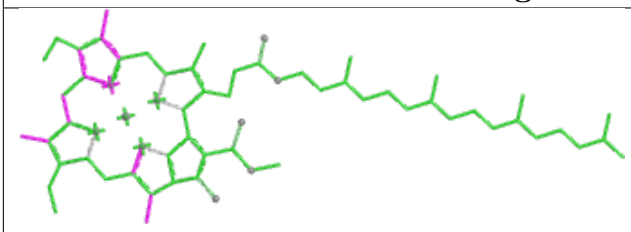
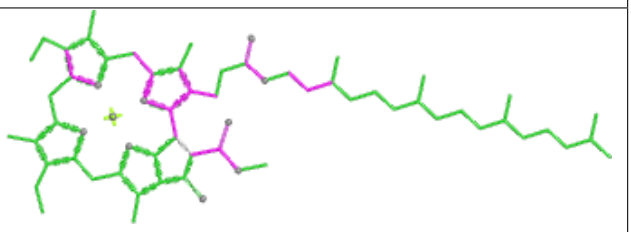
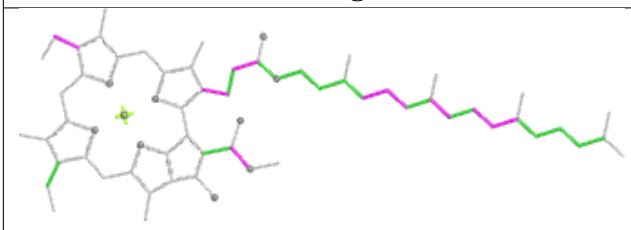
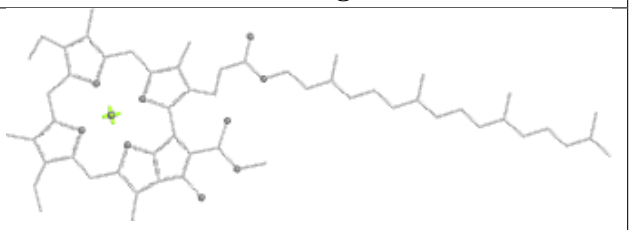
Bond angles

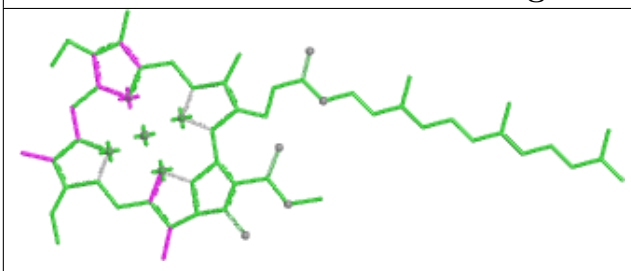
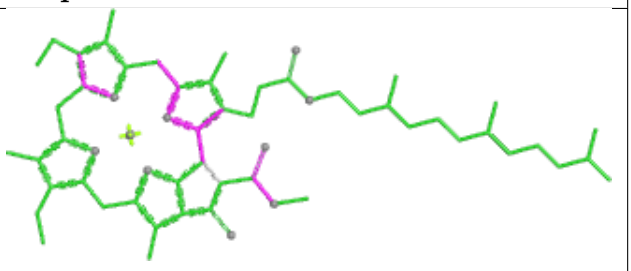
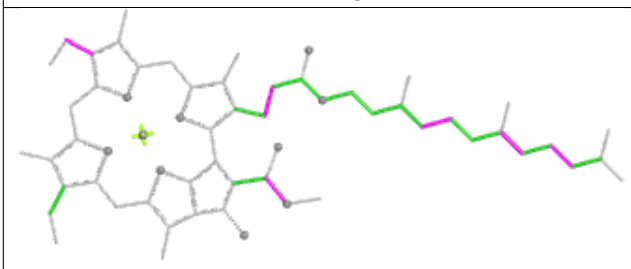
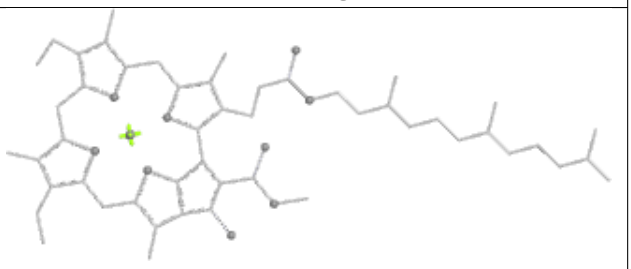


Torsions

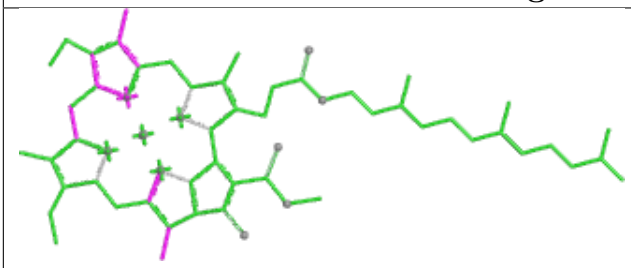


Rings

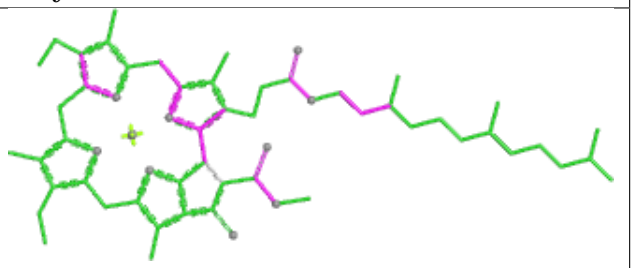
Ligand CLA H 1126	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA q 504	
 Bond lengths	 Bond angles
 Torsions	 Rings

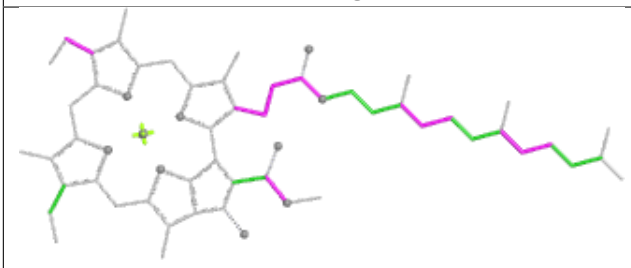
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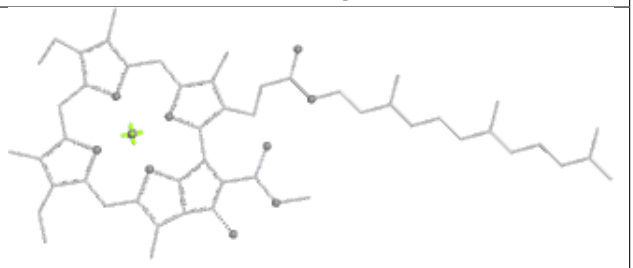
Bond lengths



Bond angles

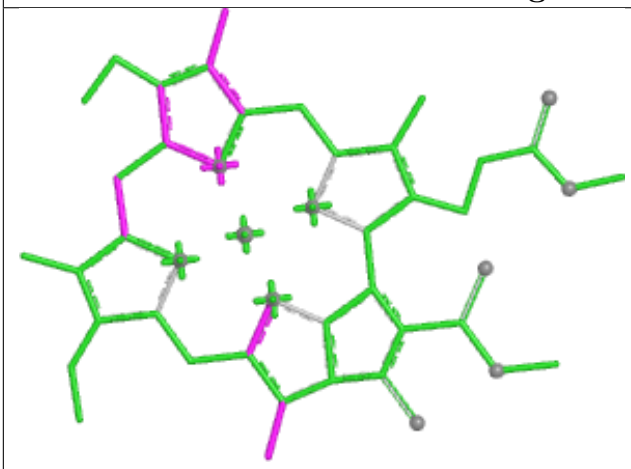


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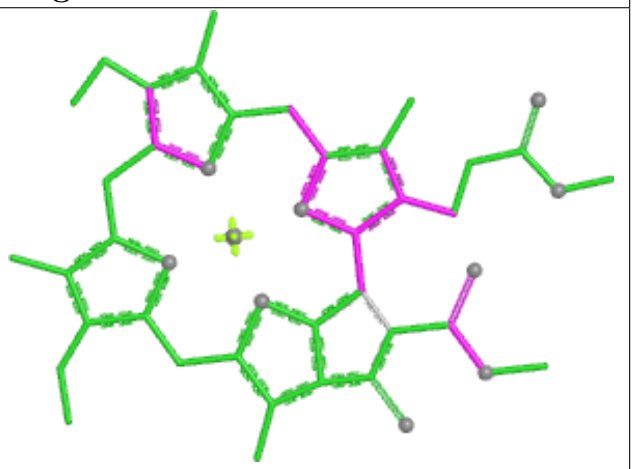


Rings

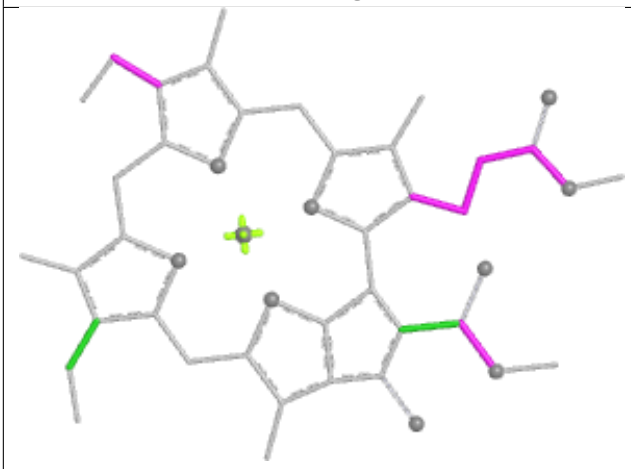
Ligand CLA g 503



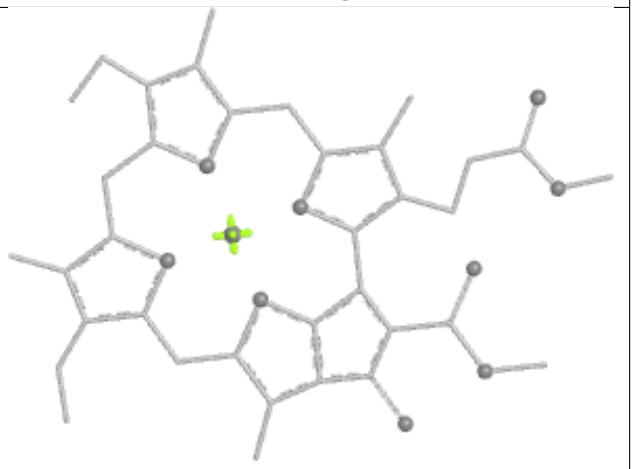
Bond lengths



Bond angles

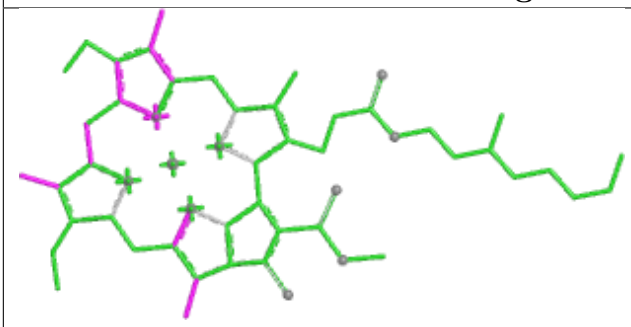


Torsions

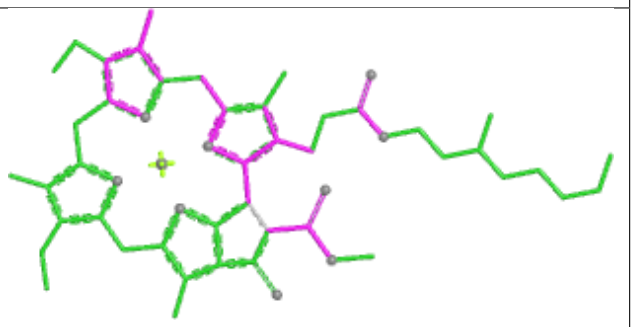


Rings

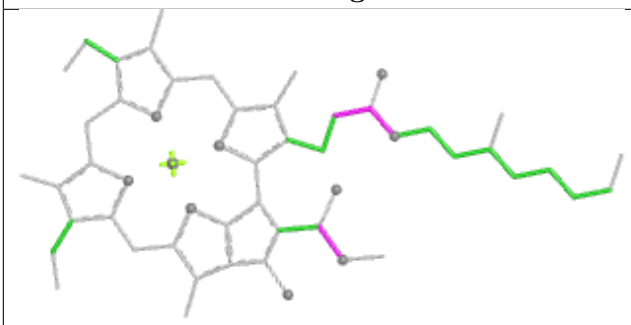
Ligand CLA B 1220



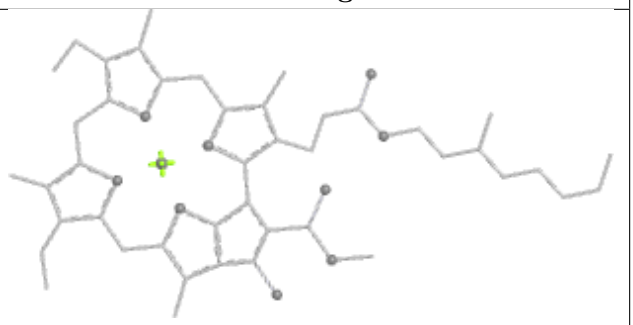
Bond lengths



Bond angles

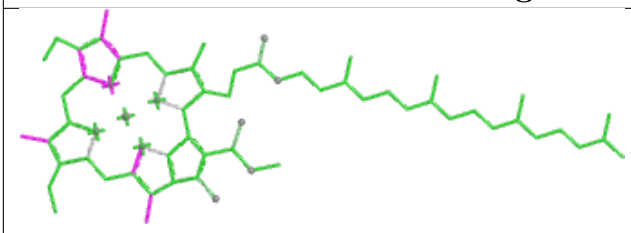


Torsions

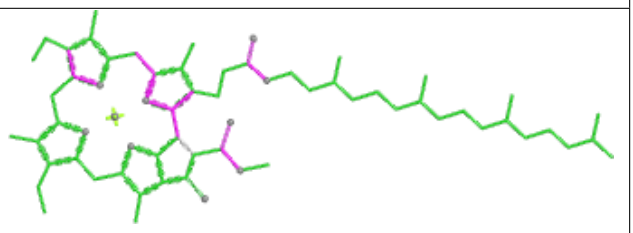


Rings

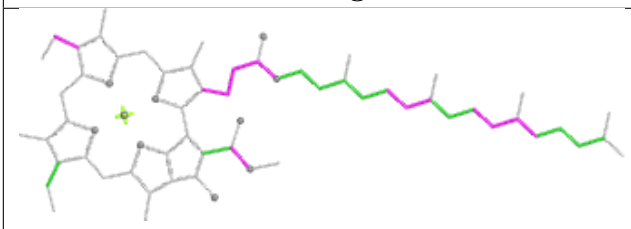
Ligand CLA B 1203



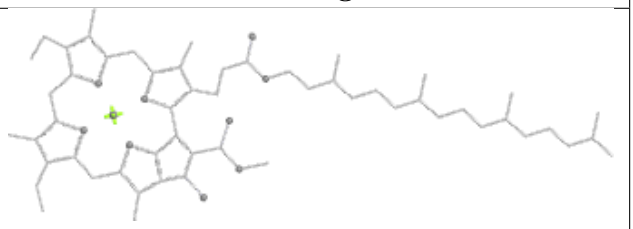
Bond lengths



Bond angles

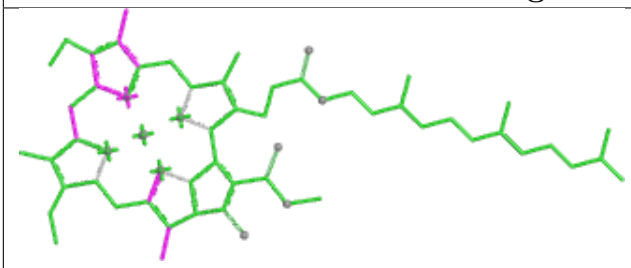


Torsions

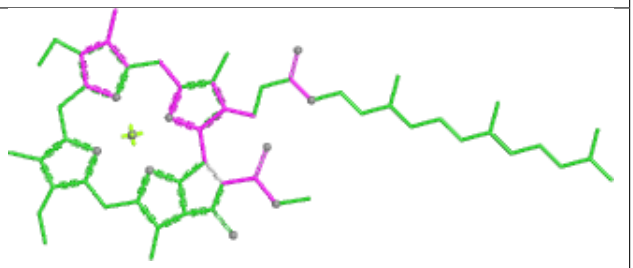


Rings

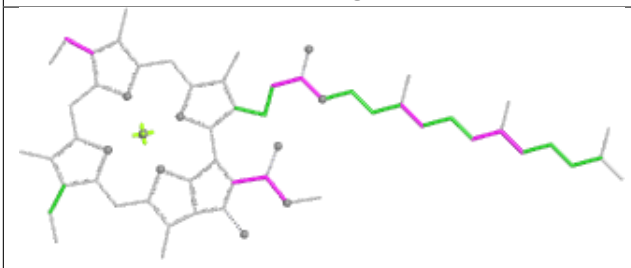
Ligand CLA h 510



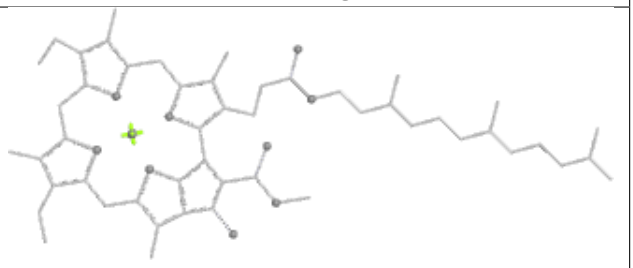
Bond lengths



Bond angles

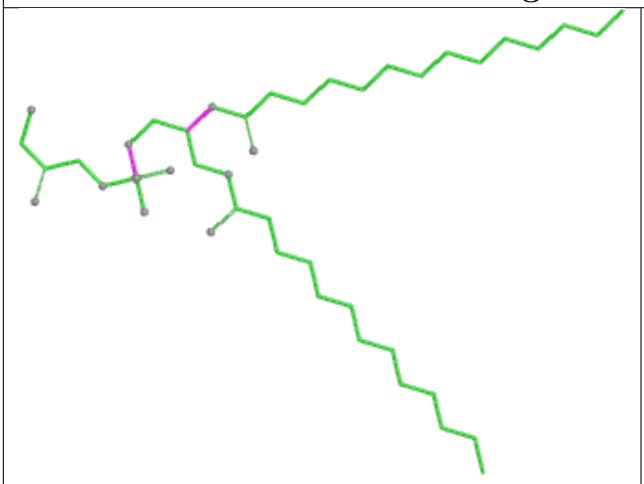


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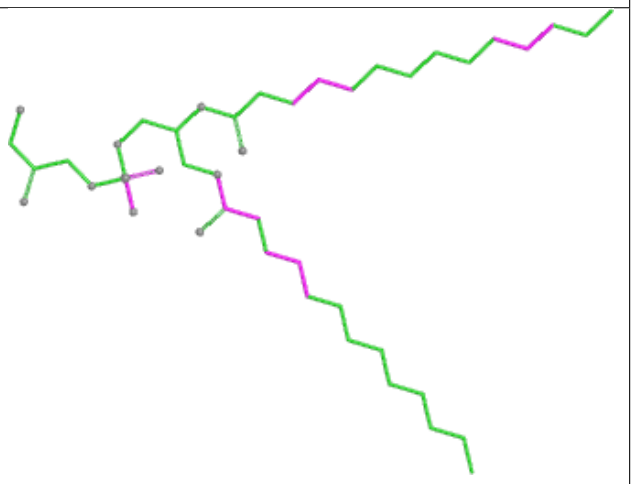


Rings

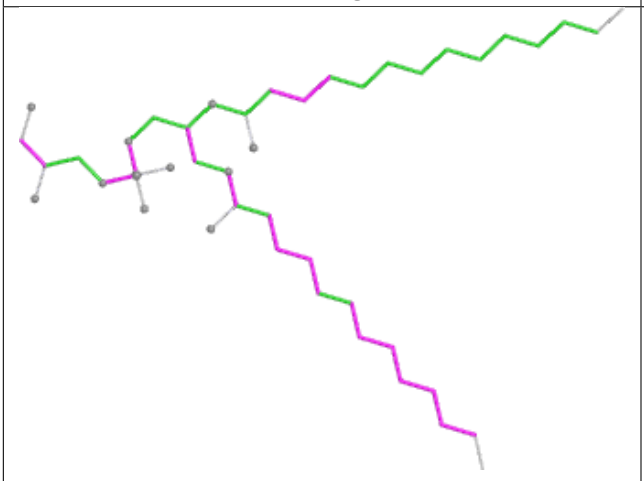
Ligand LHG R 103



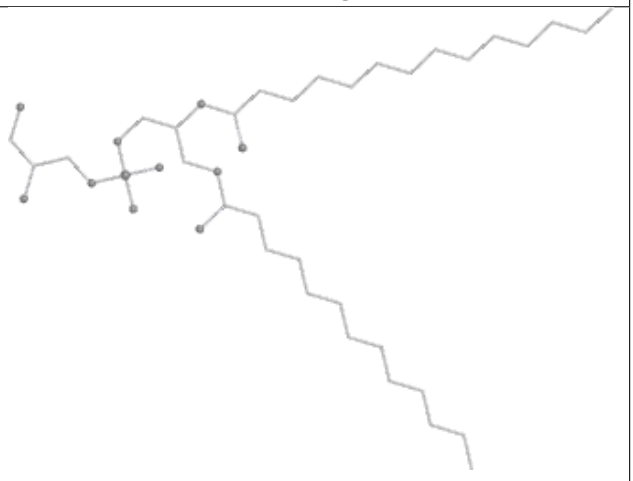
Bond lengths



Bond angles

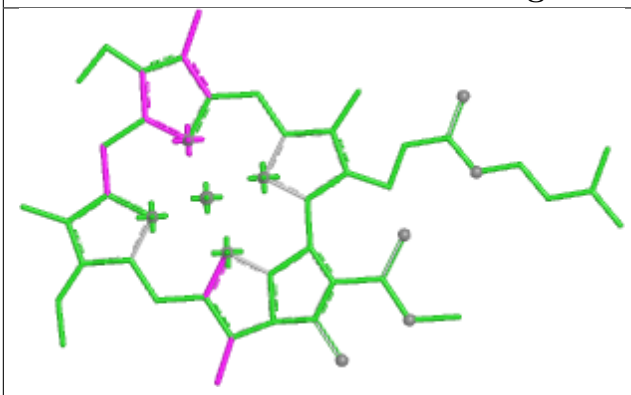


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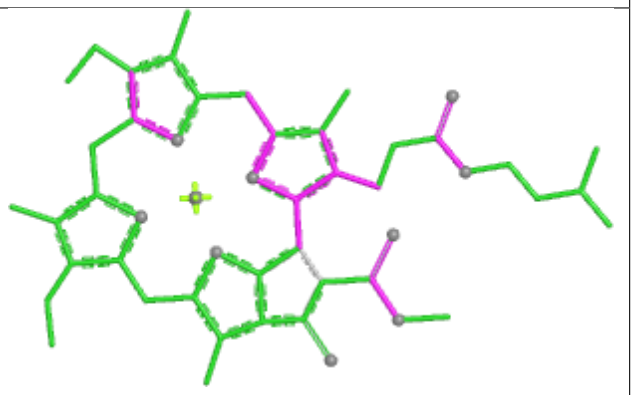


Rings

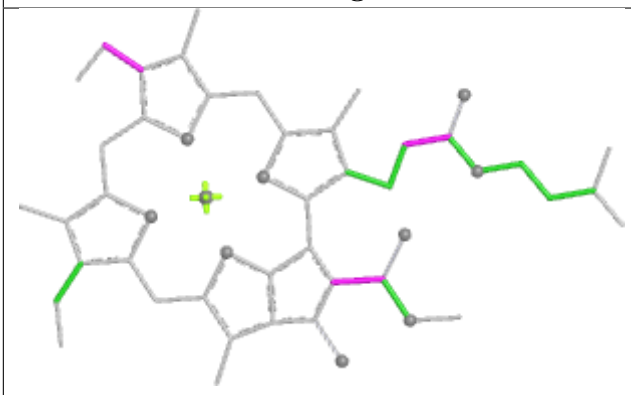
Ligand CLA h 514



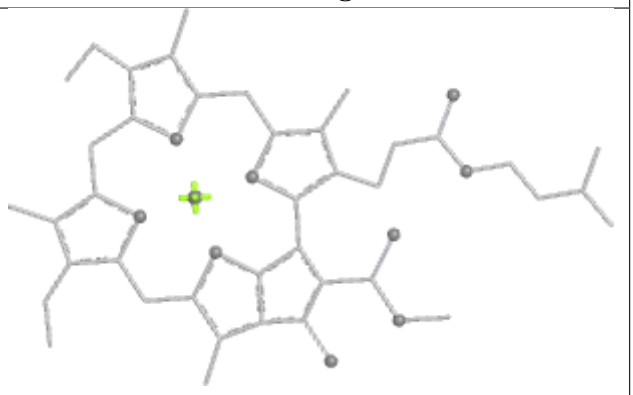
Bond lengths



Bond angles



Torsions

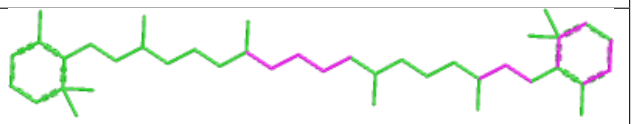


Rings

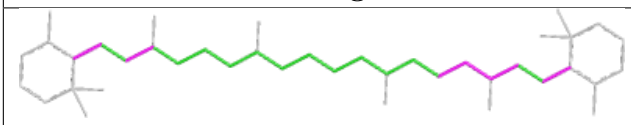
Ligand BCR b 4004



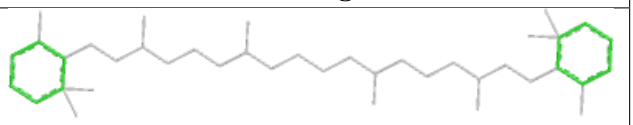
Bond lengths



Bond angles

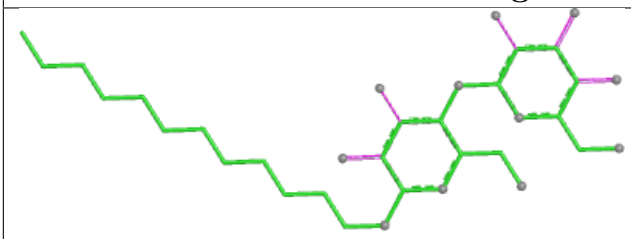


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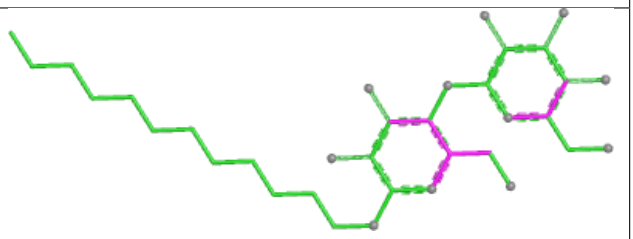


Rings

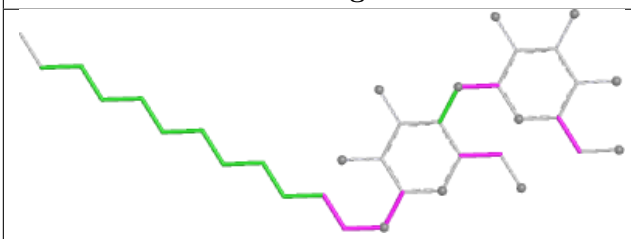
Ligand LMT U 4101



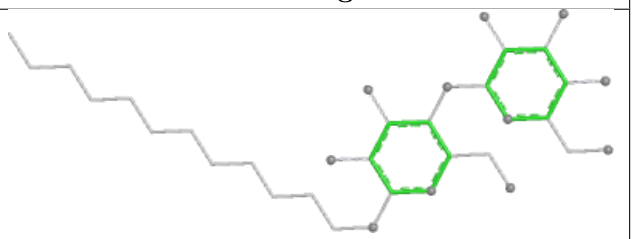
Bond lengths



Bond angles

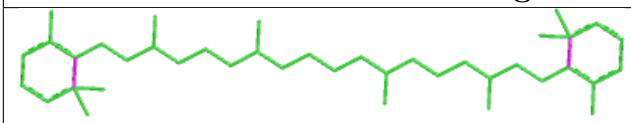


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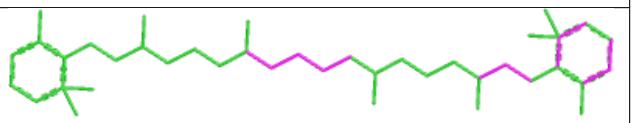


Rings

Ligand BCR B 4004



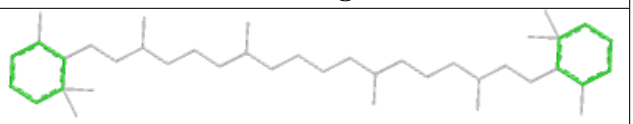
Bond lengths



Bond angles

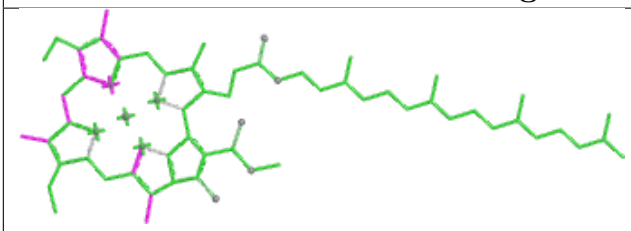


Torsions

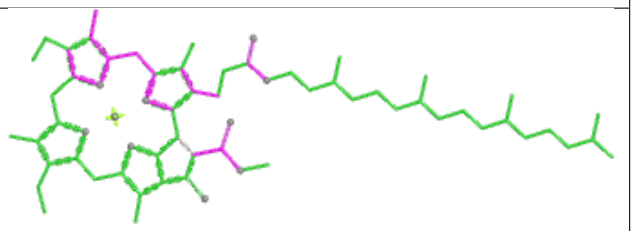


Rings

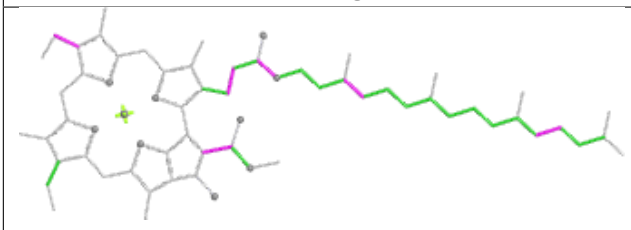
Ligand CLA a 1136



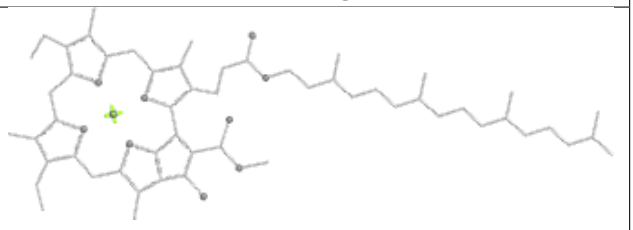
Bond lengths



Bond angles

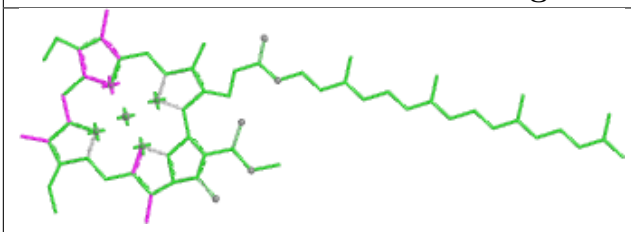


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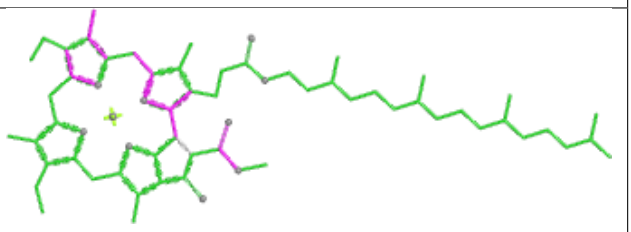


Rings

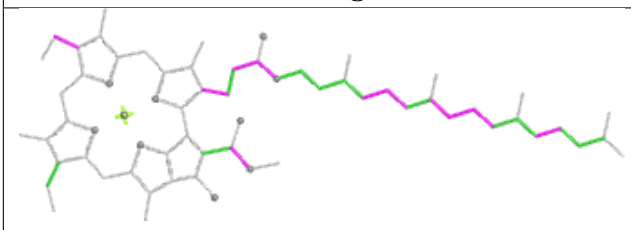
Ligand CLA s 511



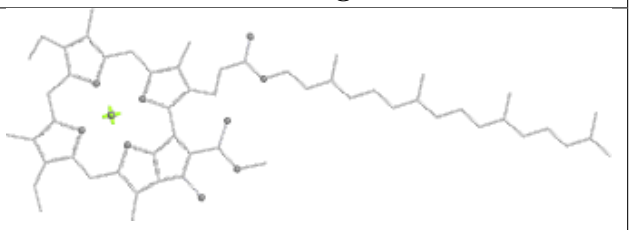
Bond lengths



Bond angles



Torsions

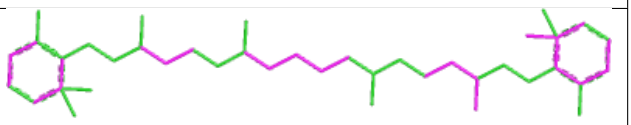


Rings

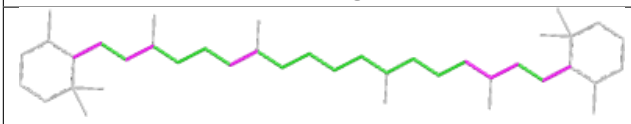
Ligand BCR L 4022



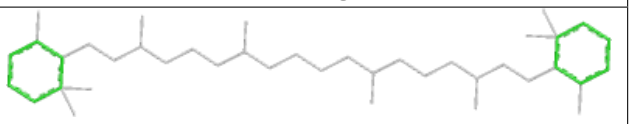
Bond lengths



Bond angles

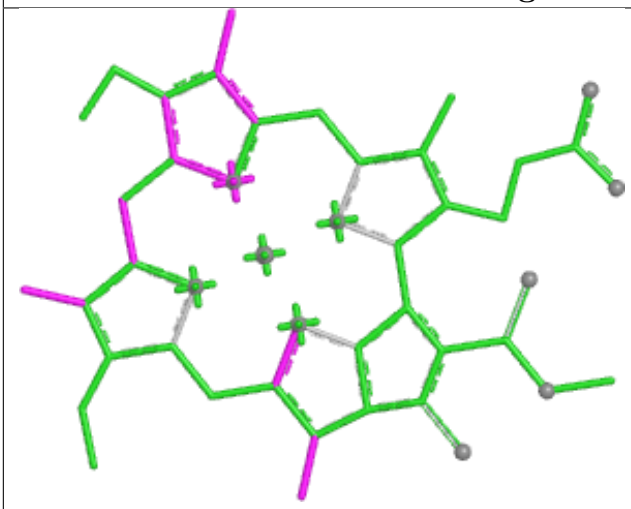


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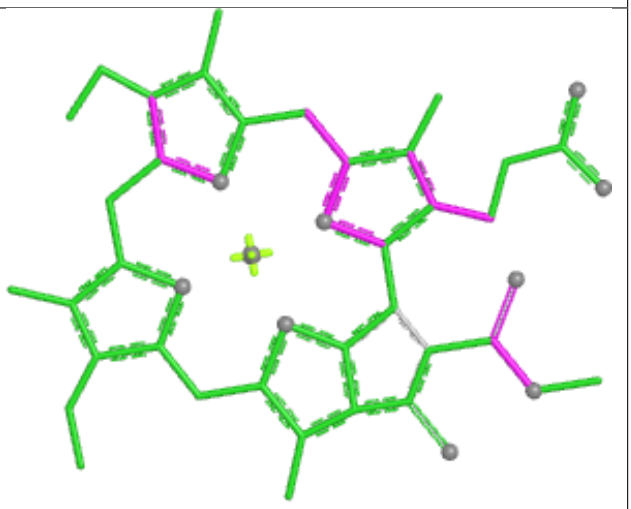


Rings

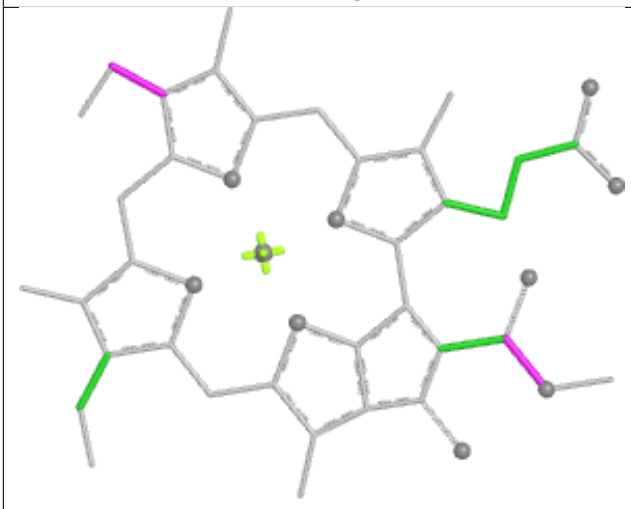
Ligand CLA b 1208



Bond lengths



Bond angles

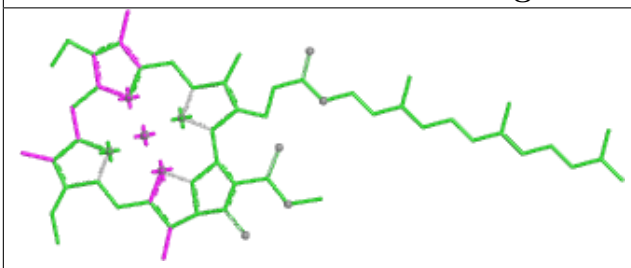


Torsions

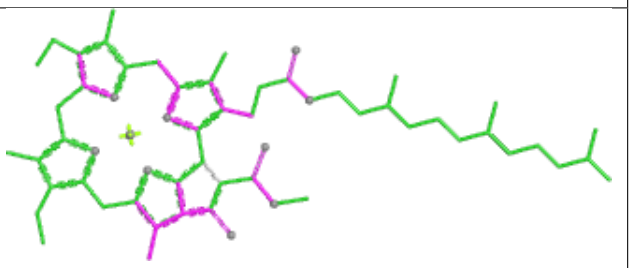


Rings

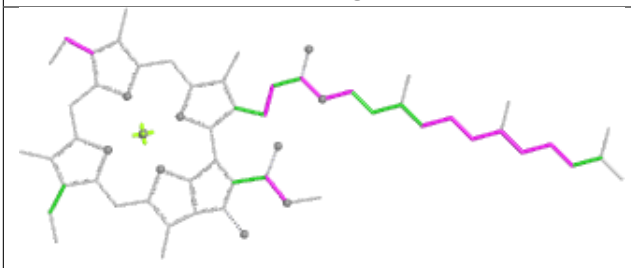
Ligand CLA G 1012



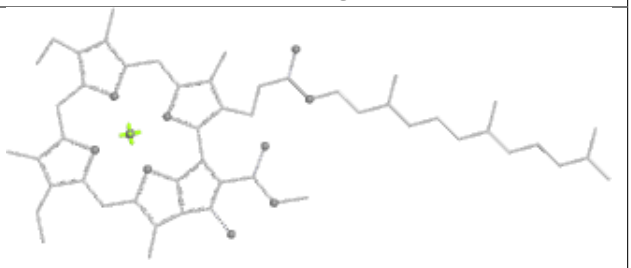
Bond lengths



Bond angles

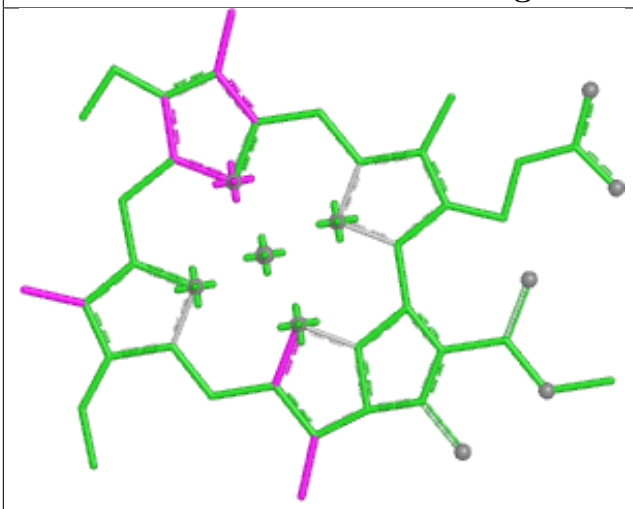


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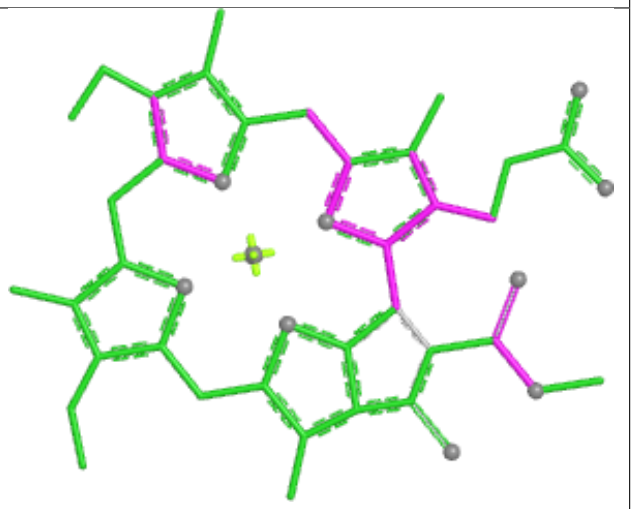


Rings

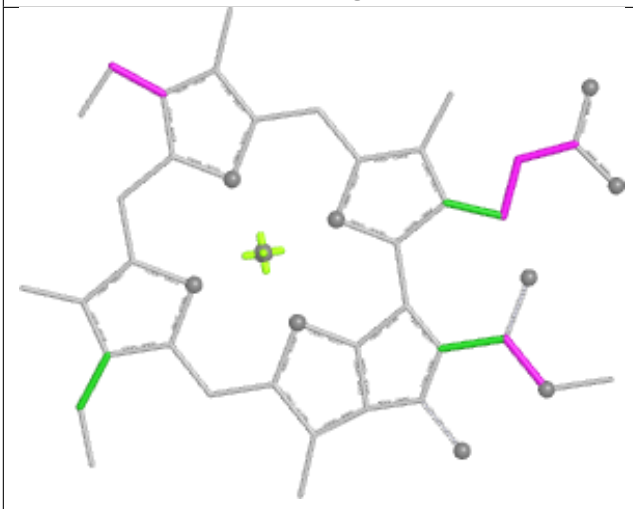
Ligand CLA G 1219



Bond lengths



Bond angles

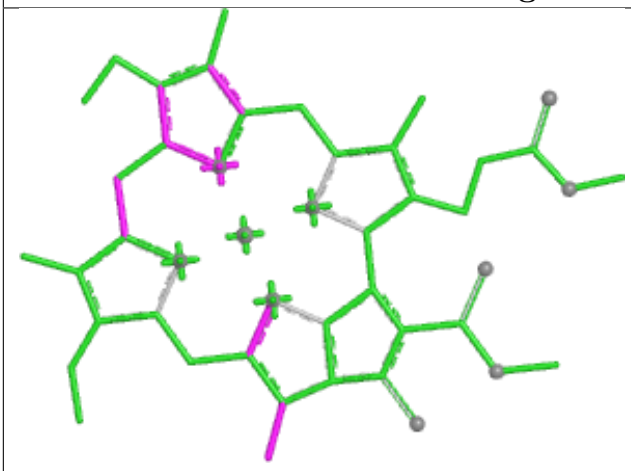


Torsions

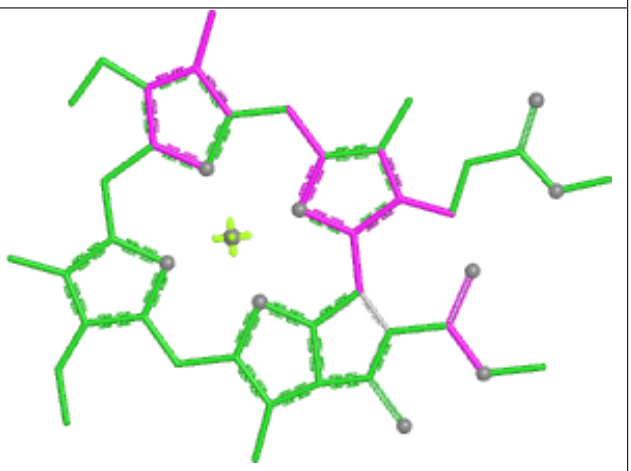


Rings

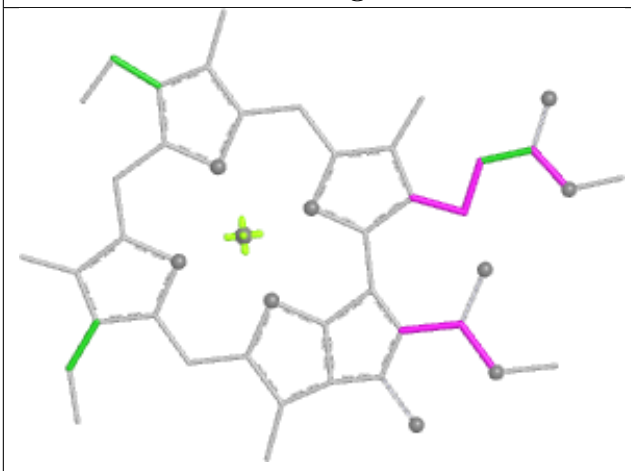
Ligand CLA W 503



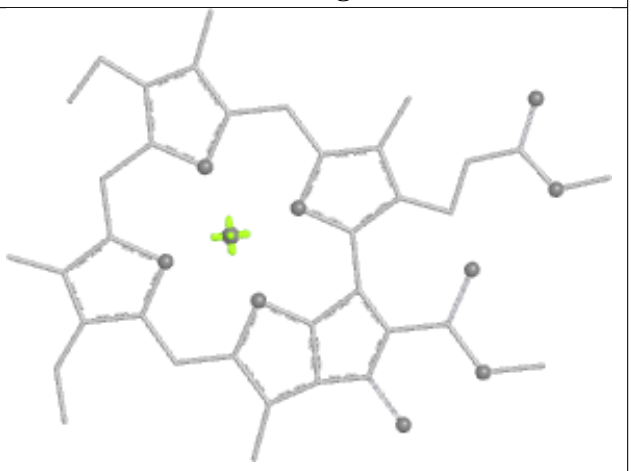
Bond lengths



Bond angles

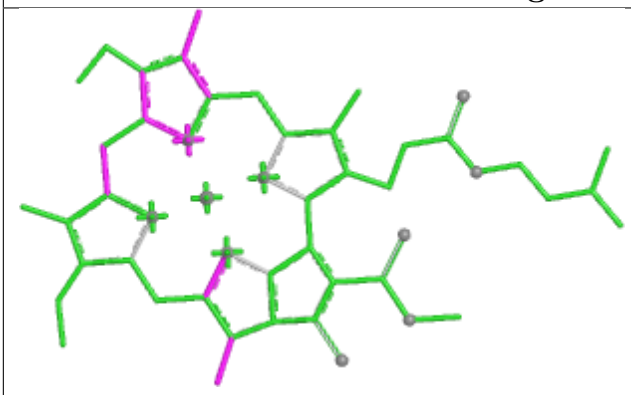


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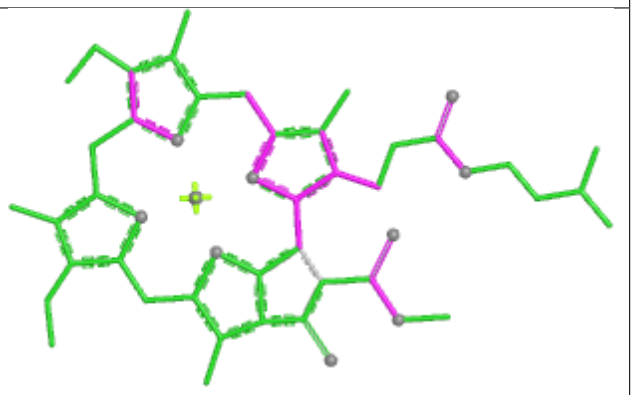


Rings

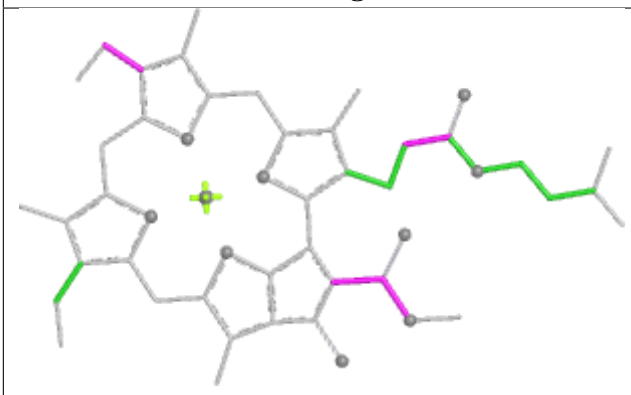
Ligand CLA v 514



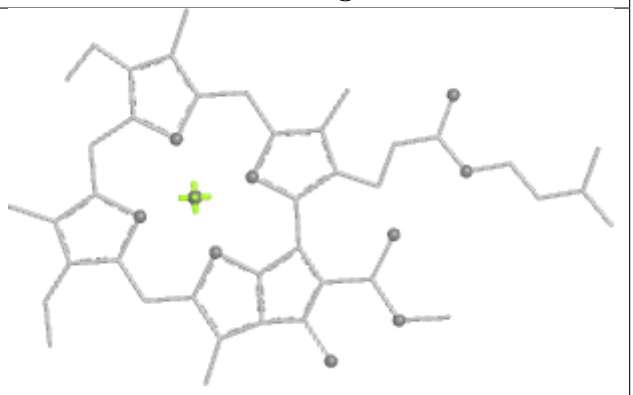
Bond lengths



Bond angles

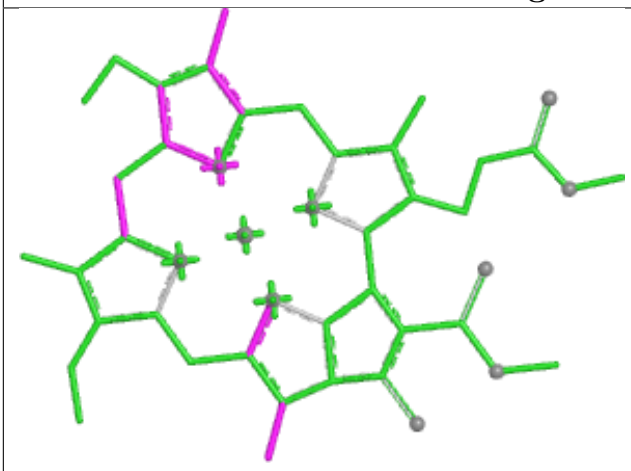


Torsions

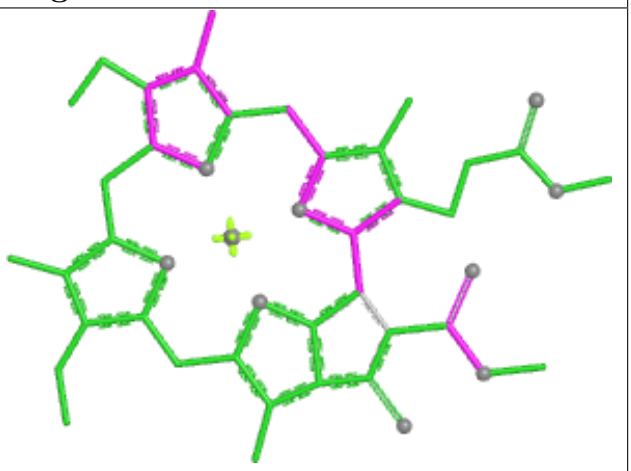


Rings

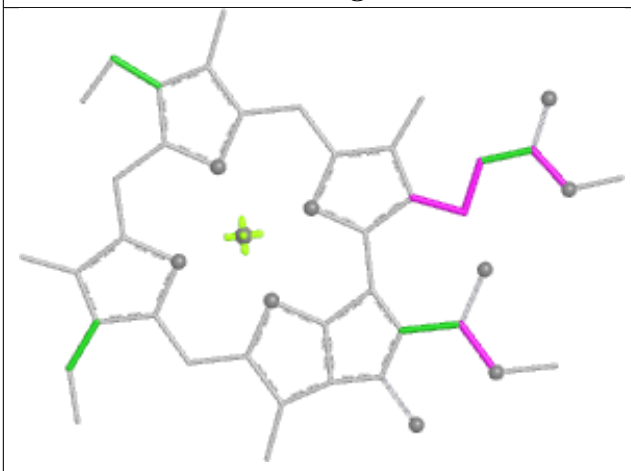
Ligand CLA g 516



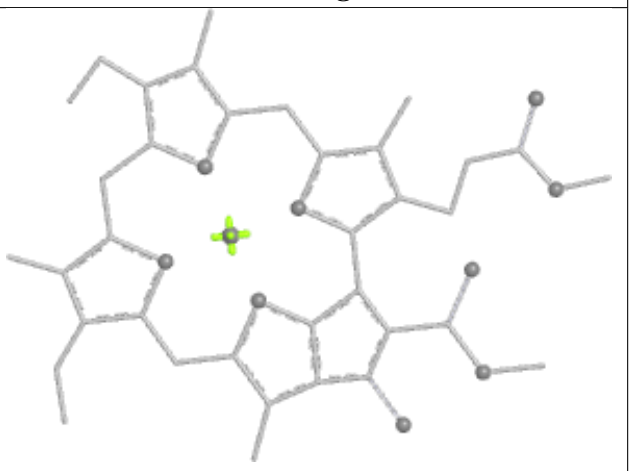
Bond lengths



Bond angles

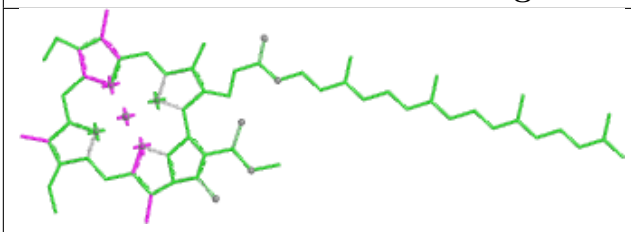


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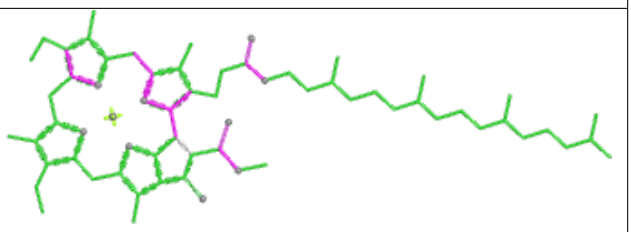


Rings

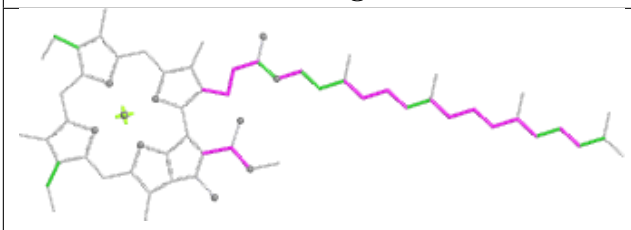
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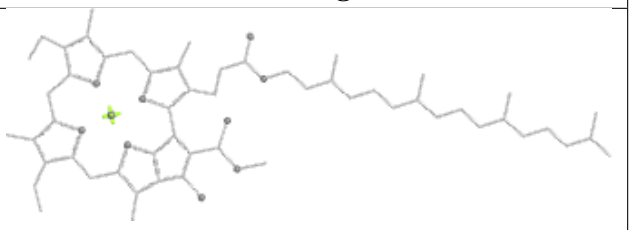
Bond lengths



Bond angles

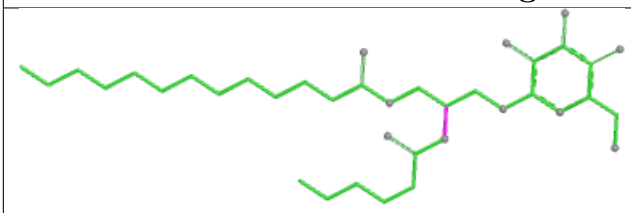


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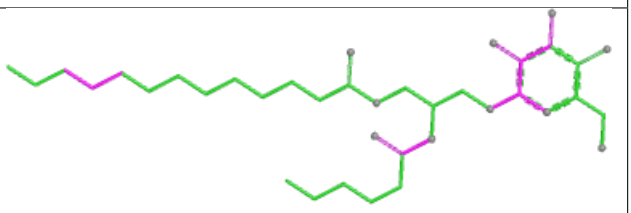


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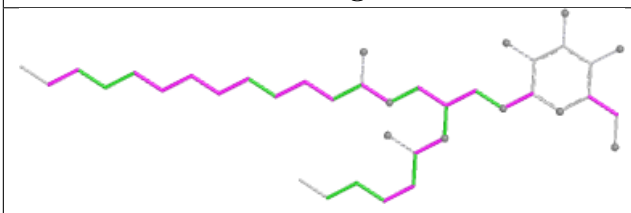
Ligand LMG A 852



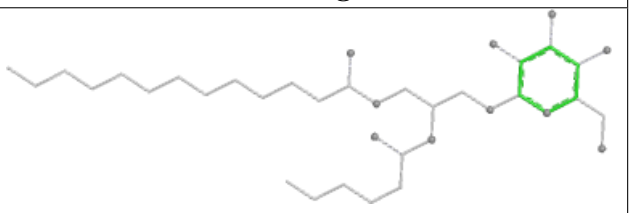
Bond lengths



Bond angles

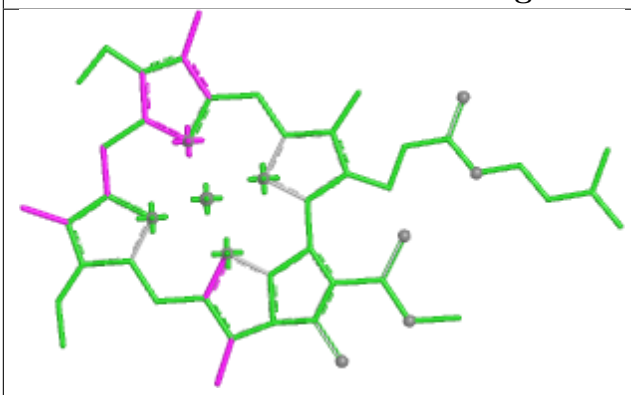


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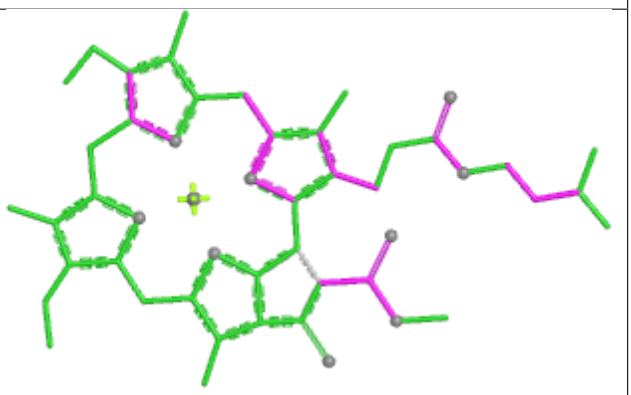


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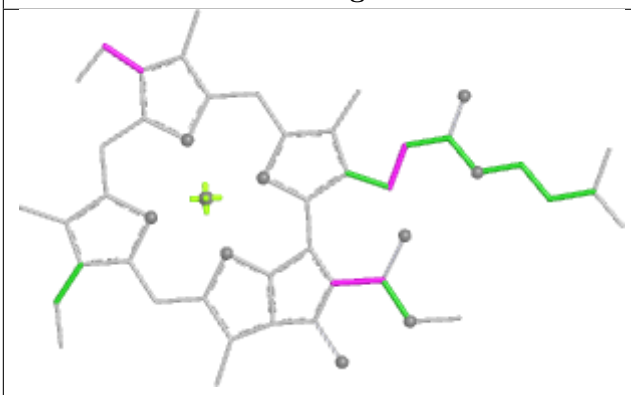
Ligand CLA A 1129



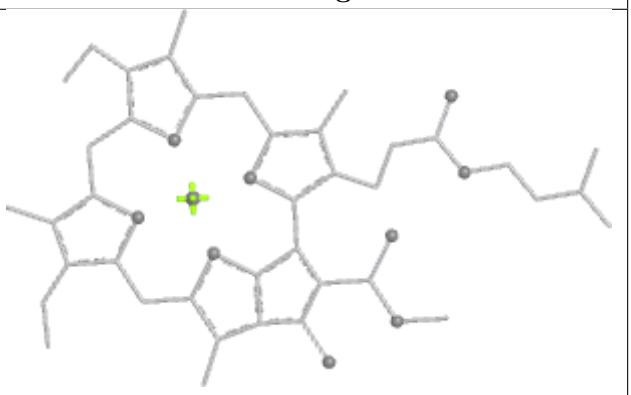
Bond lengths



Bond angles

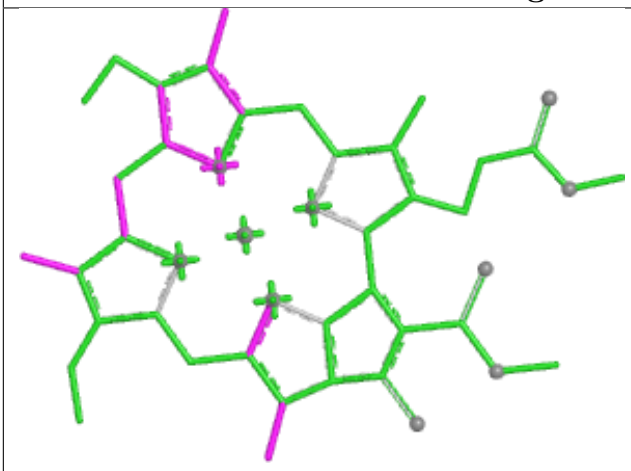


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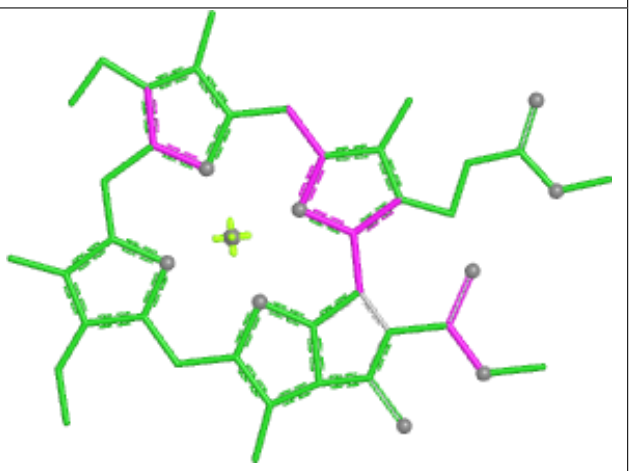


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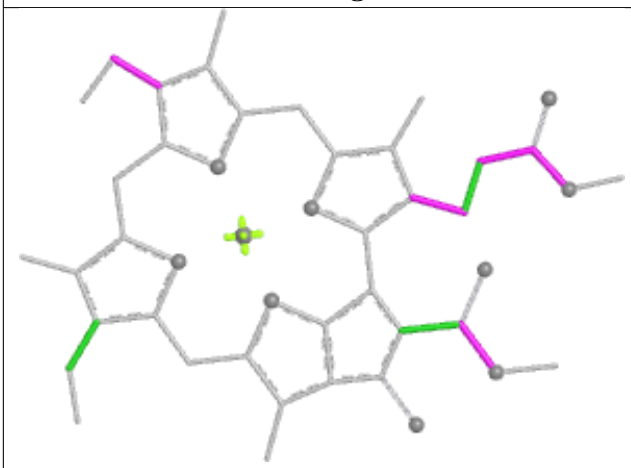
Ligand CLA u 516



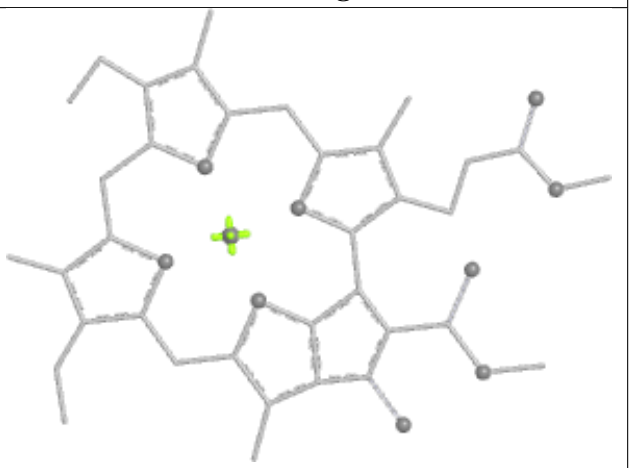
Bond lengths



Bond angles



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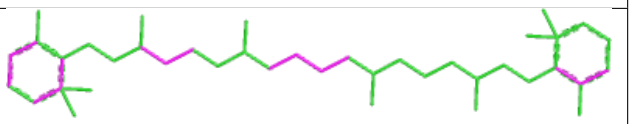


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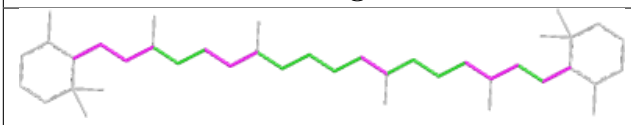
Ligand BCR i 4018



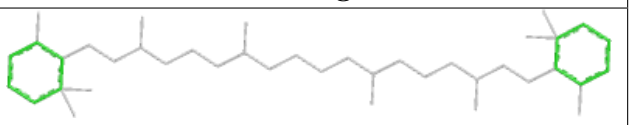
Bond lengths



Bond angles

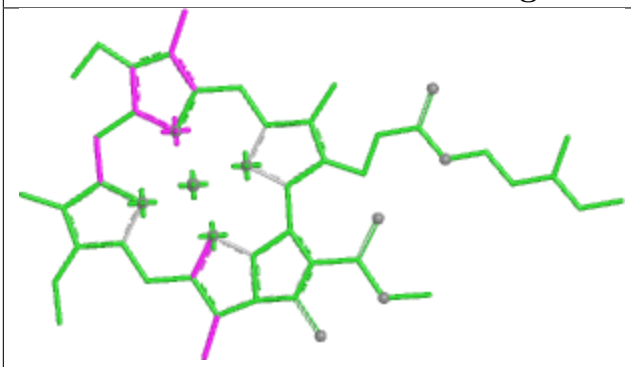


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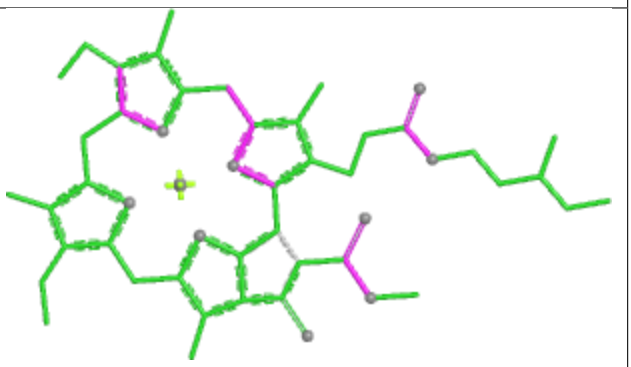


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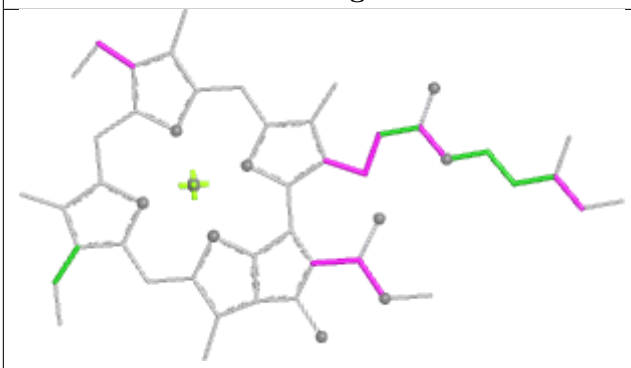
Ligand CLA a 1121



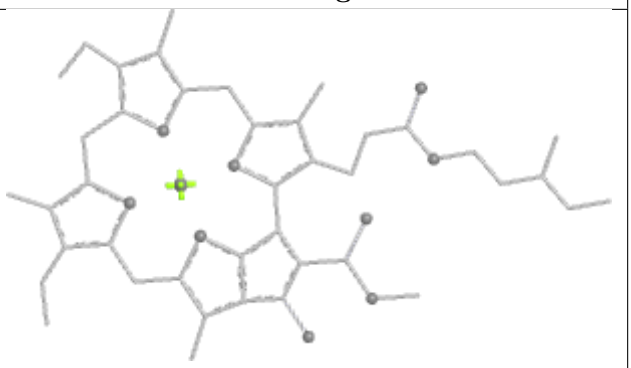
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Bond angles

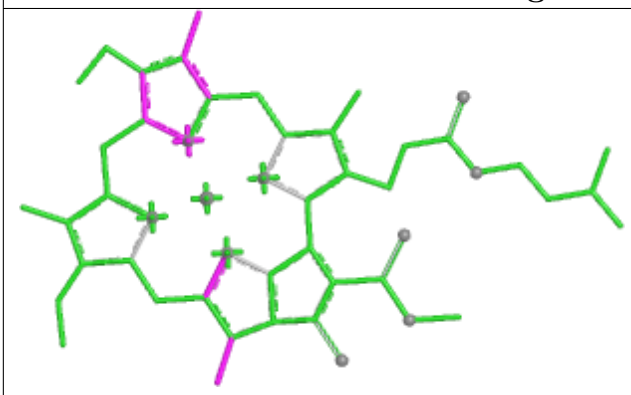


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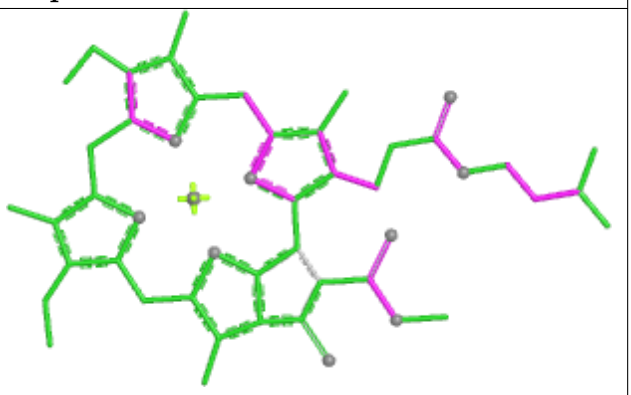


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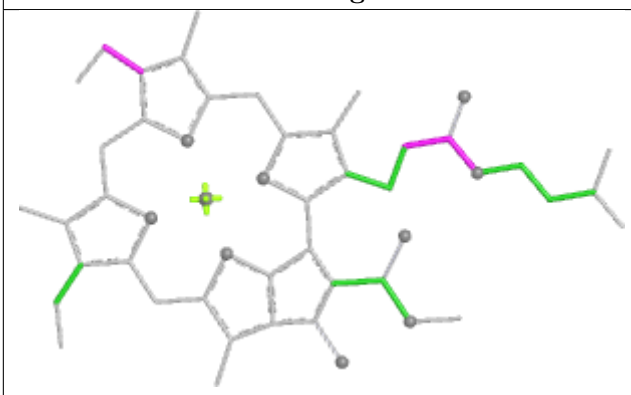
Ligand CLA p 502



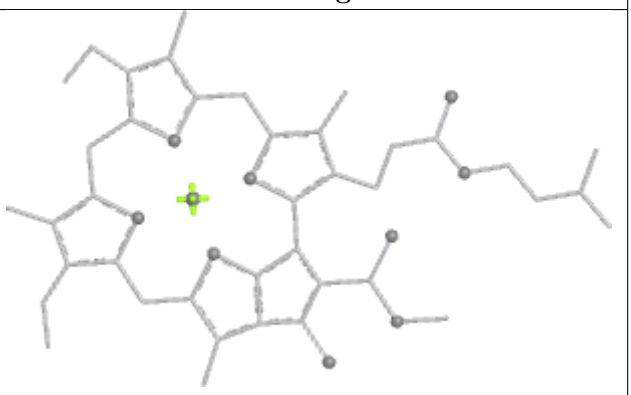
Bond lengths



Bond angles

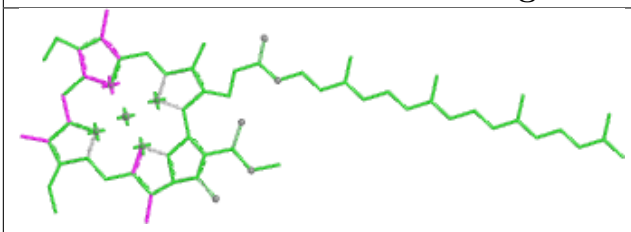


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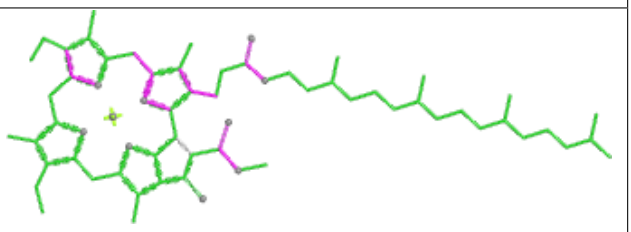


Rings

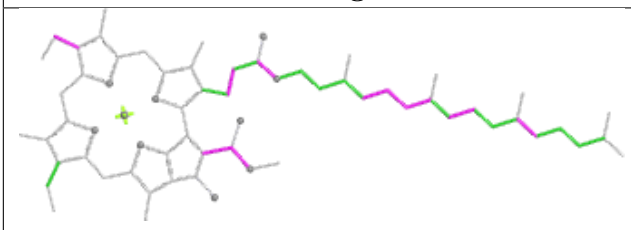
Ligand CLA W 515



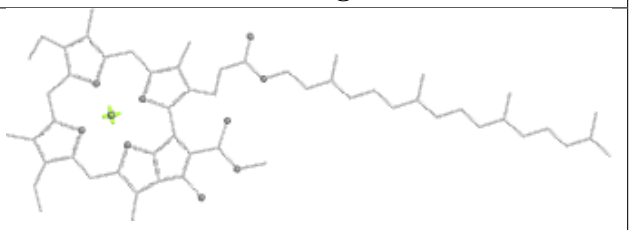
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Bond angles

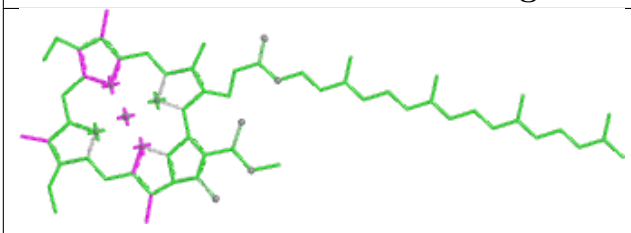


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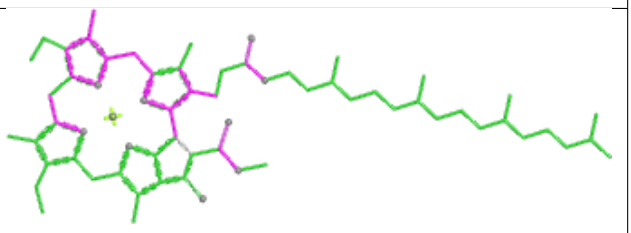


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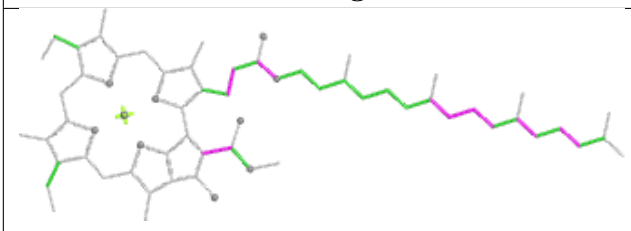
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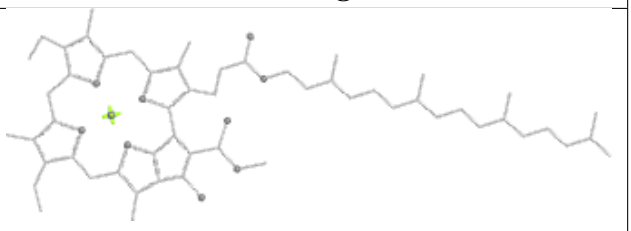
Bond lengths



Bond angles

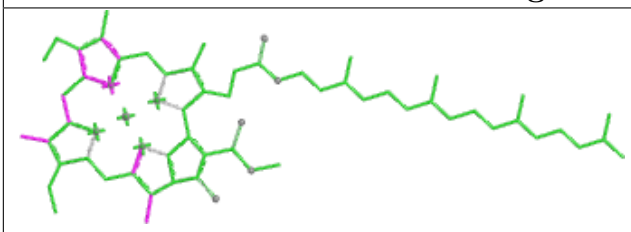


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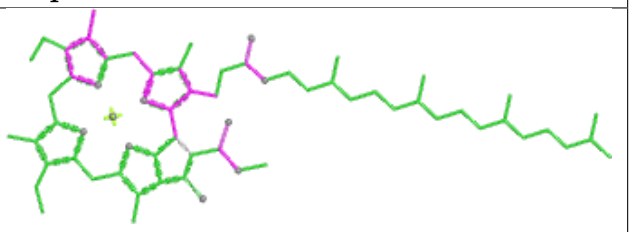


Rings

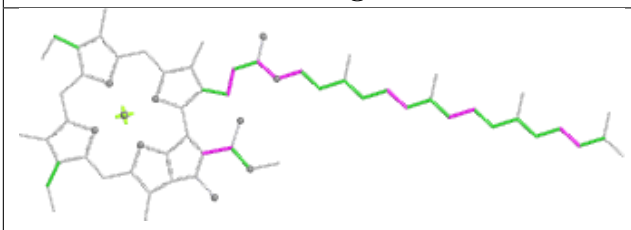
Ligand CLA p 515



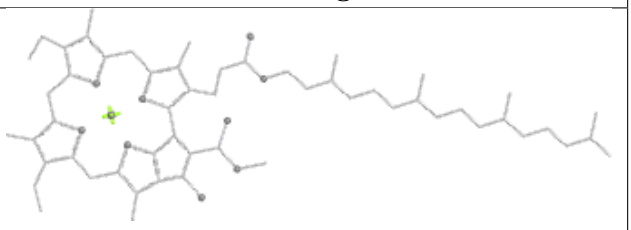
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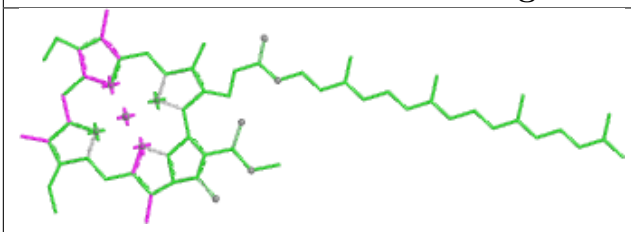
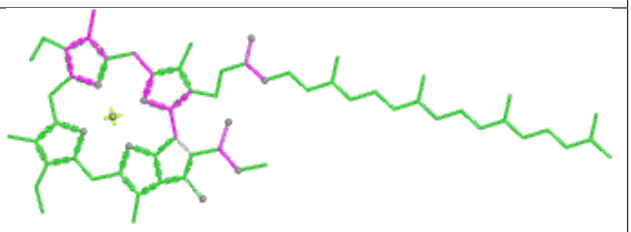
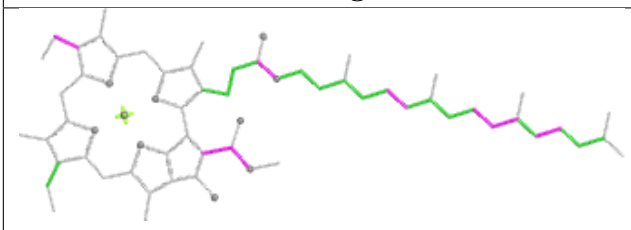
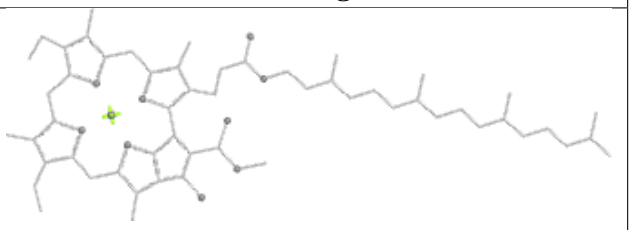
Bond angles



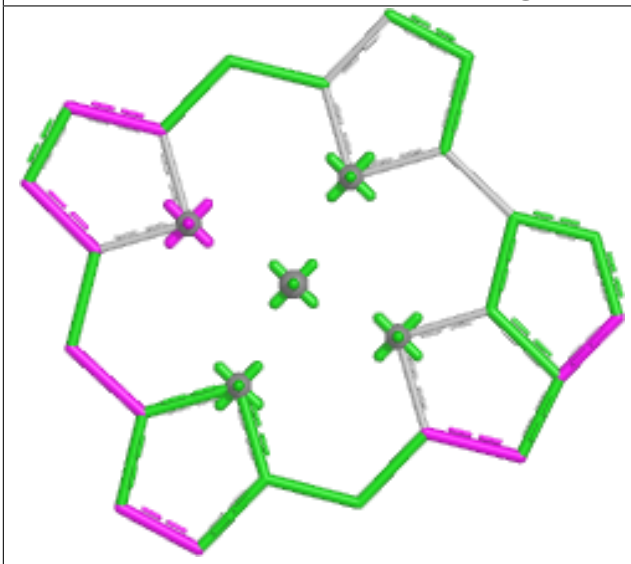
Torsions



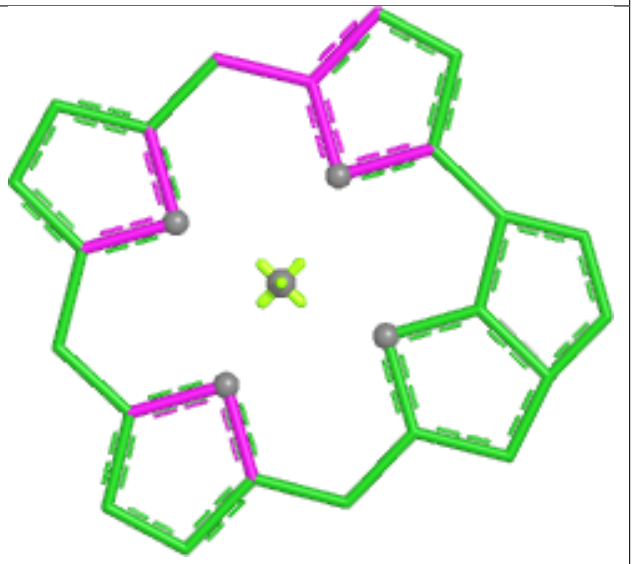
Rings

Ligand CLA b 1221	
	
Bond lengths	**Bond angles**
	
Torsions	**Rings**

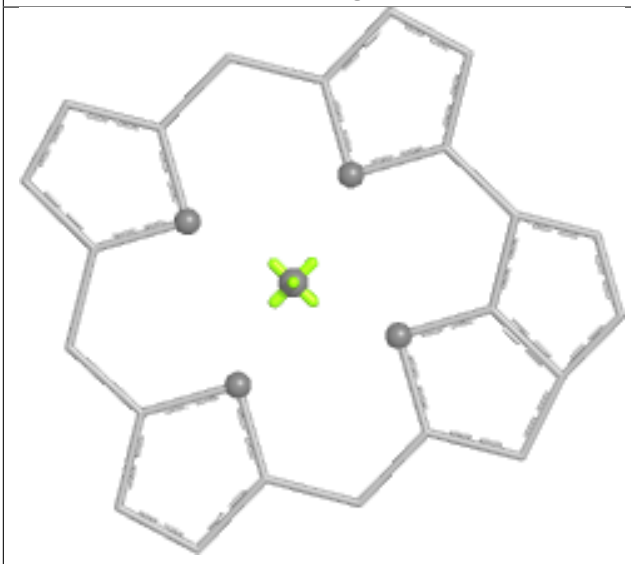
Ligand CLA F 1302



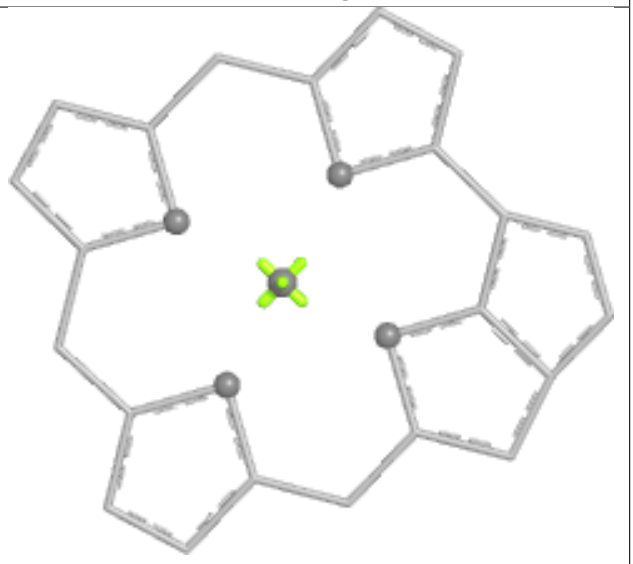
Bond lengths



Bond angles



Torsions

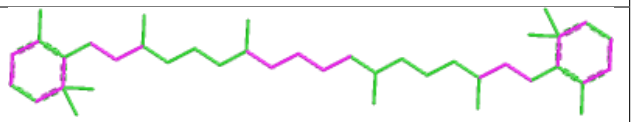


Rings

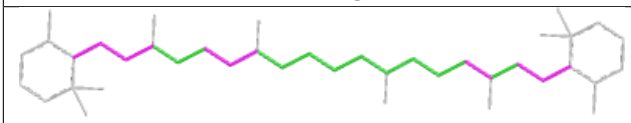
Ligand BCR X 603



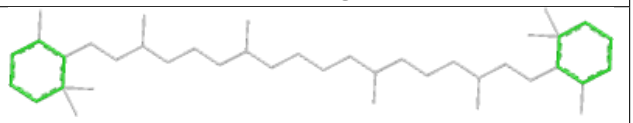
Bond lengths



Bond angles

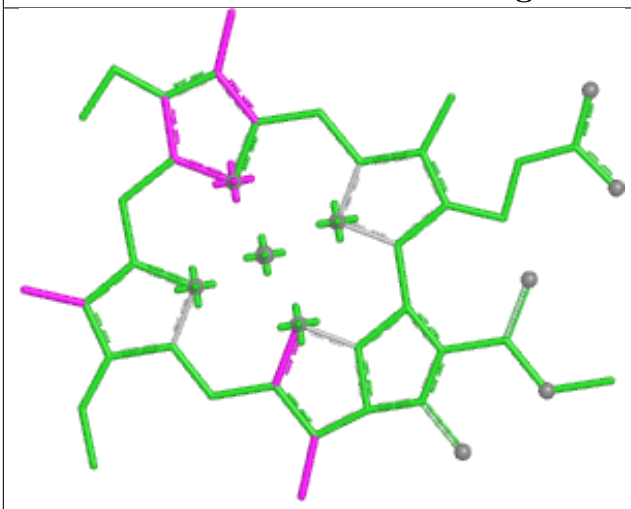


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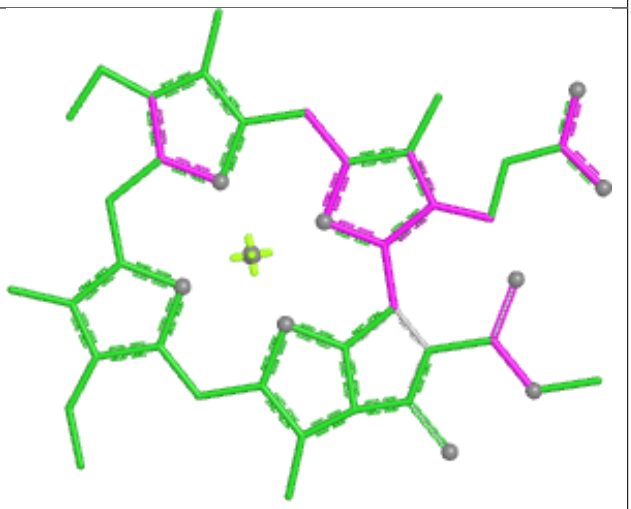


Rings

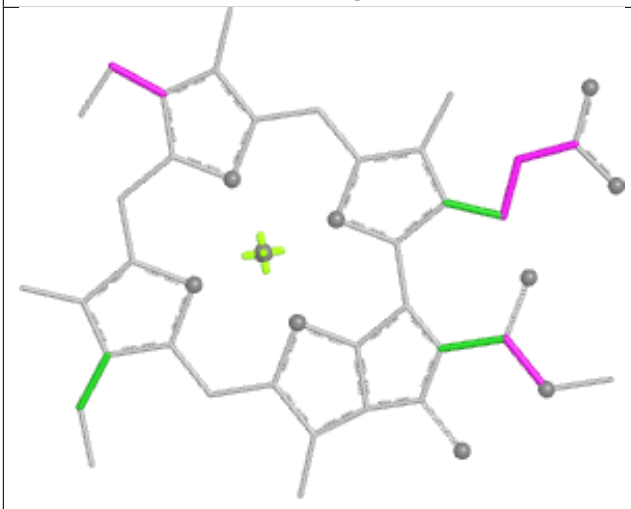
Ligand CLA B 1212



Bond lengths



Bond angles

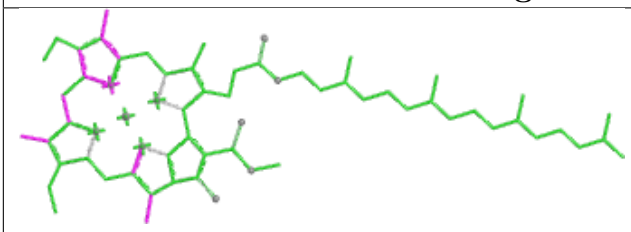


Torsions

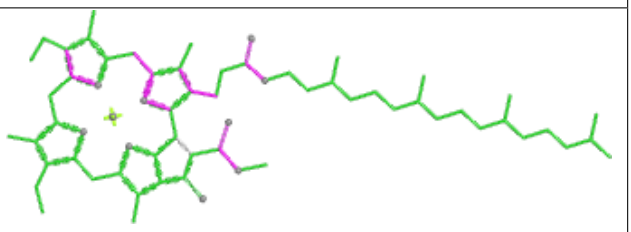


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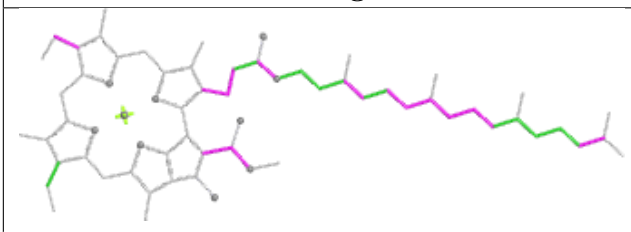
Ligand CLA A 1140



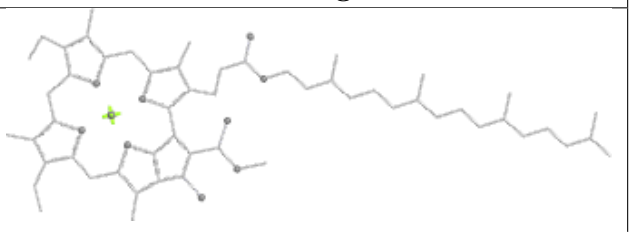
Bond lengths



Bond angles

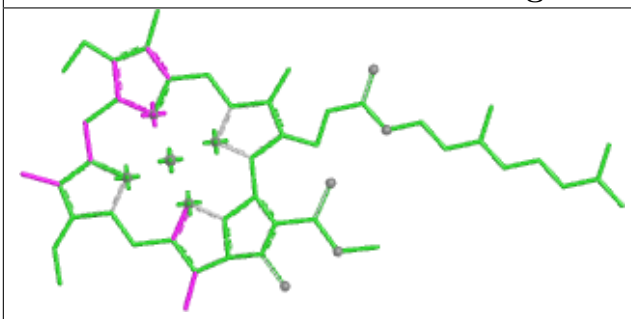


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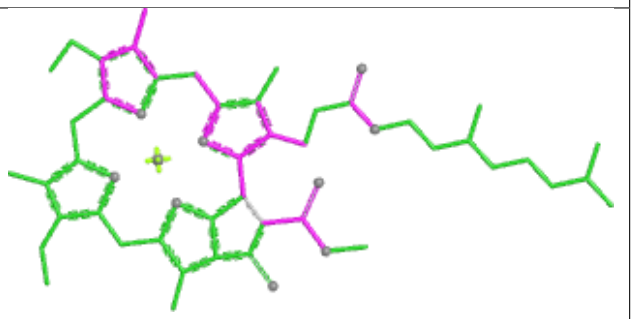


Rings

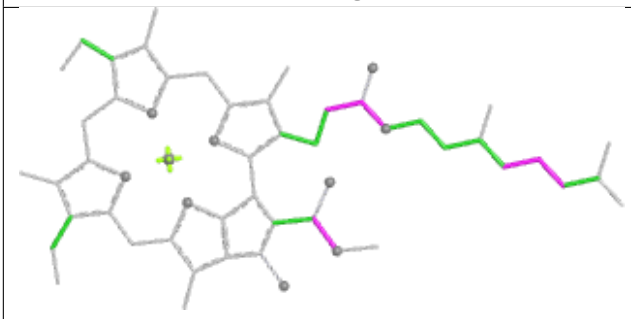
Ligand CLA Z 517



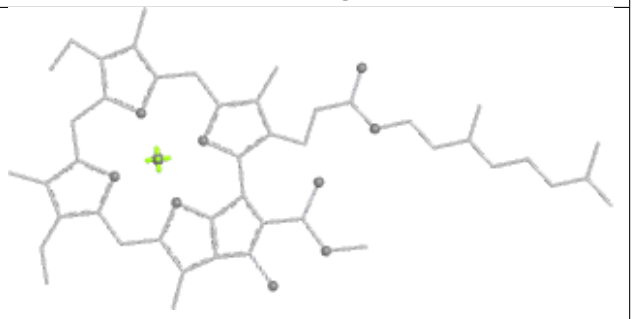
Bond lengths



Bond angles

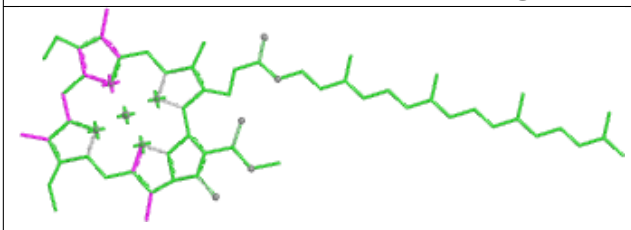


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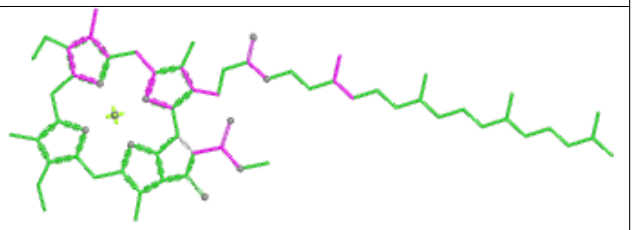


Rings

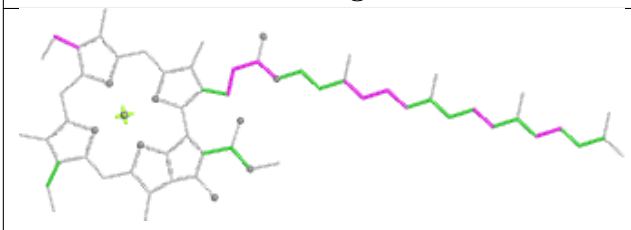
Ligand CLA G 1236



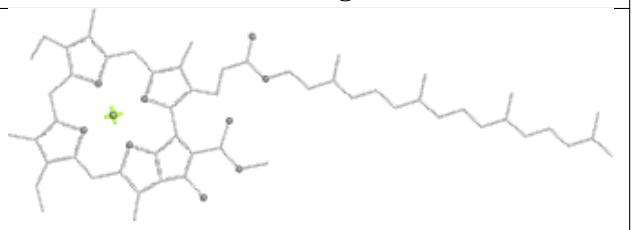
Bond lengths



Bond angles

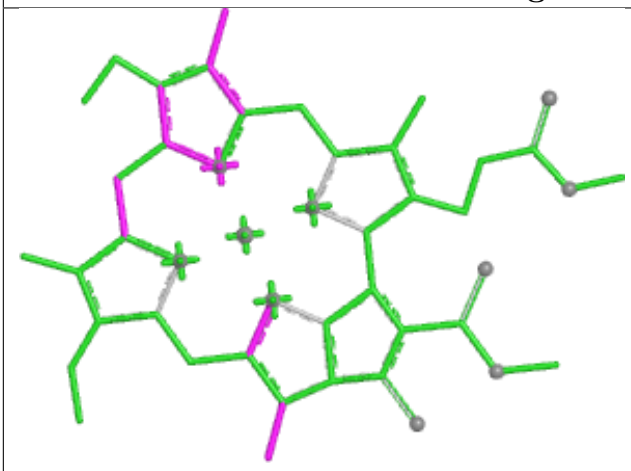


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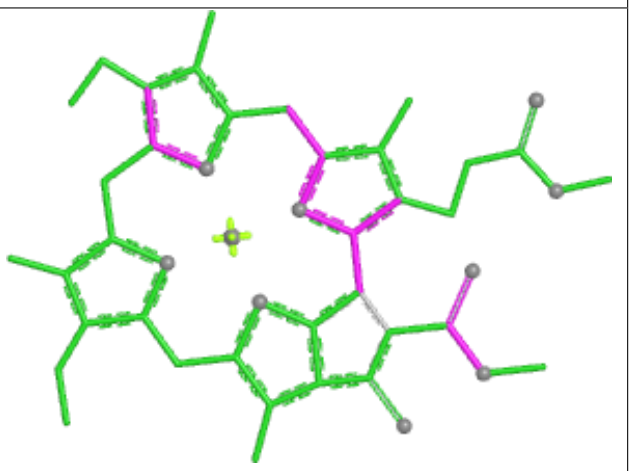


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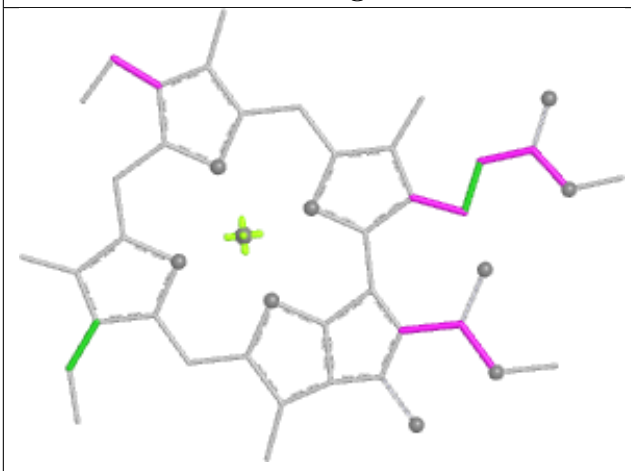
Ligand CLA v 503



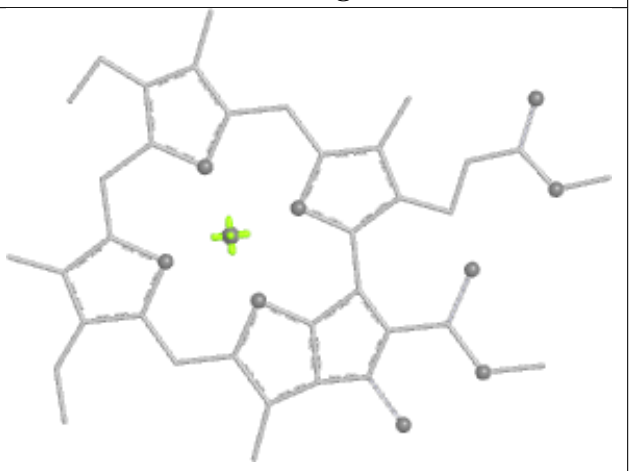
Bond lengths



Bond angles



Torsions

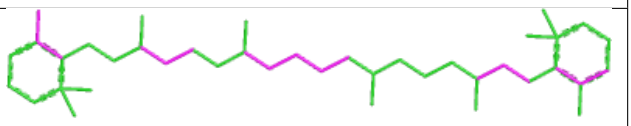


Rings

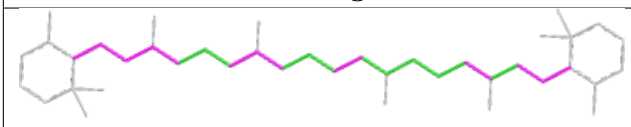
Ligand BCR R 4020



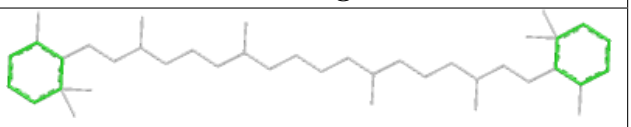
Bond lengths



Bond angles

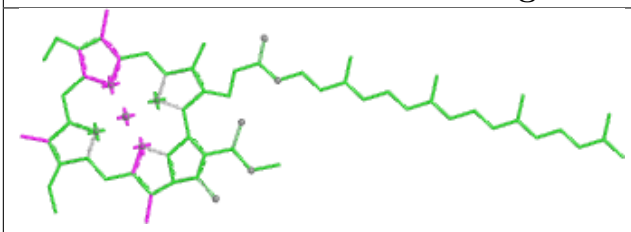


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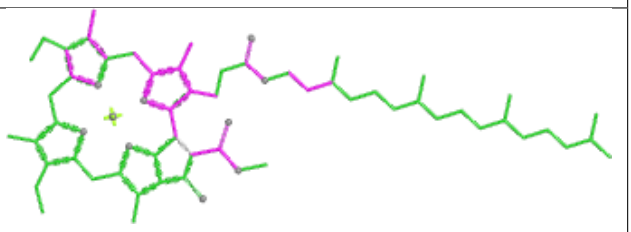


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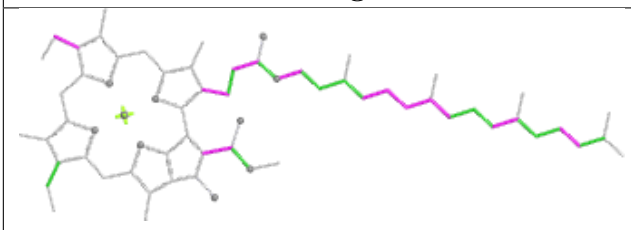
Ligand CL0 H 1011



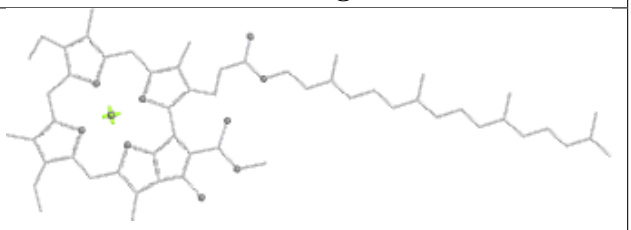
Bond lengths



Bond angles



Torsions

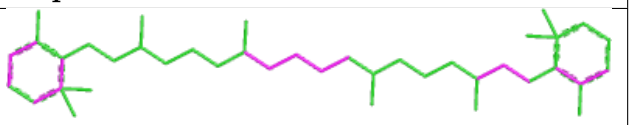


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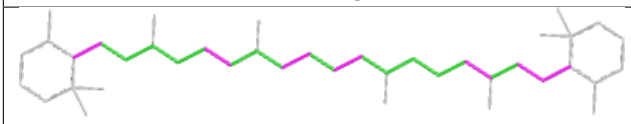
Ligand BCR p 604



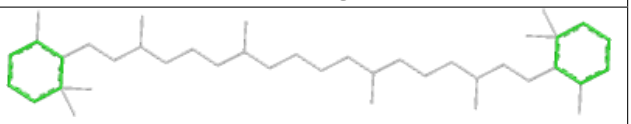
Bond lengths



Bond angles

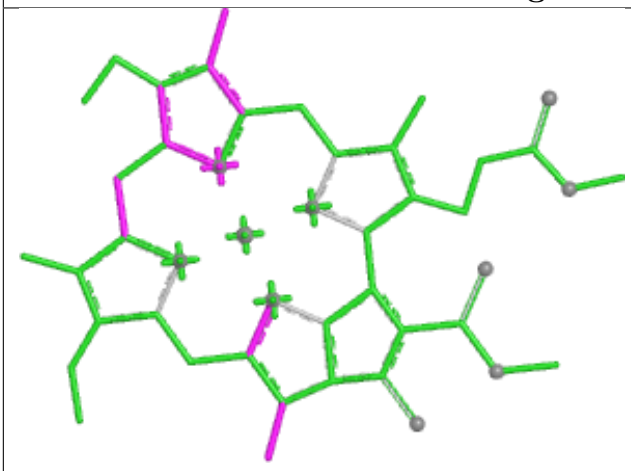


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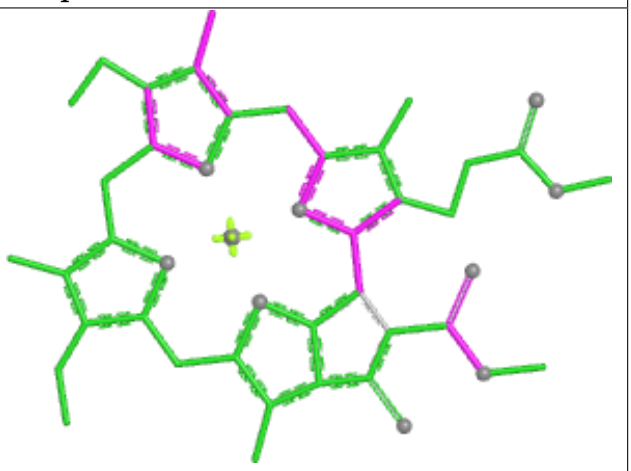


Rings

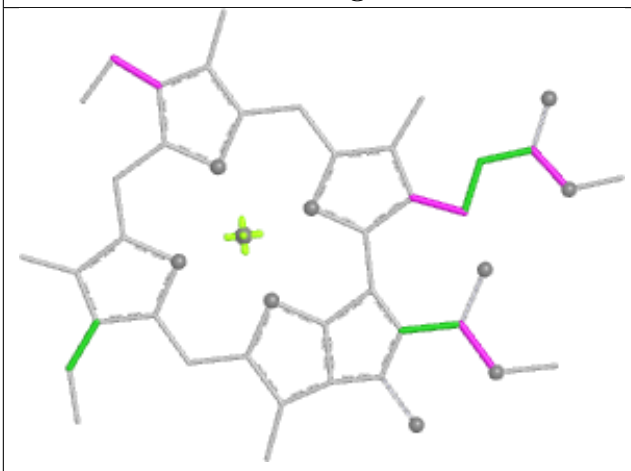
Ligand CLA q 516



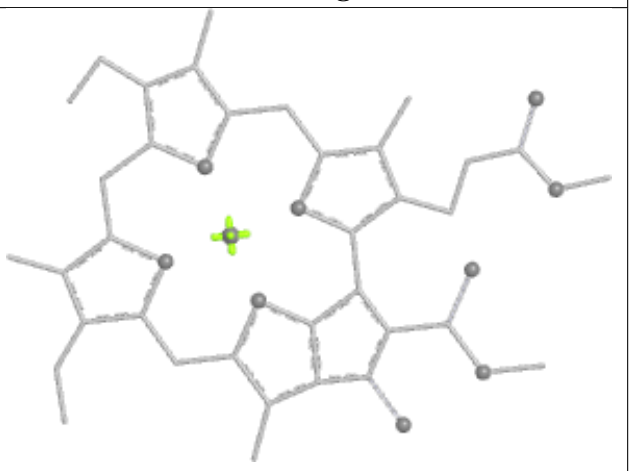
Bond lengths



Bond angles

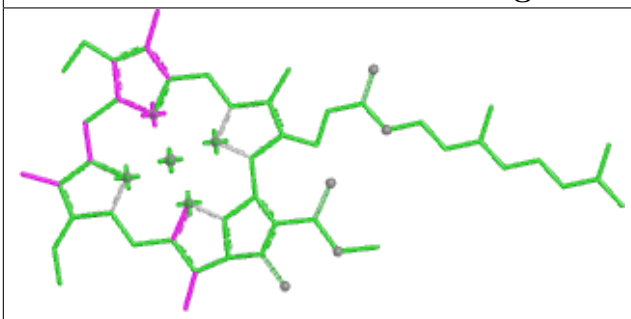


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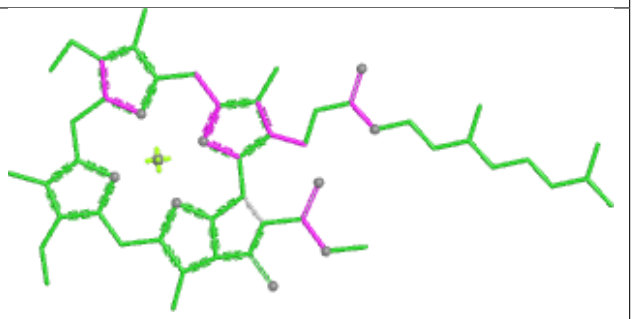


Rings

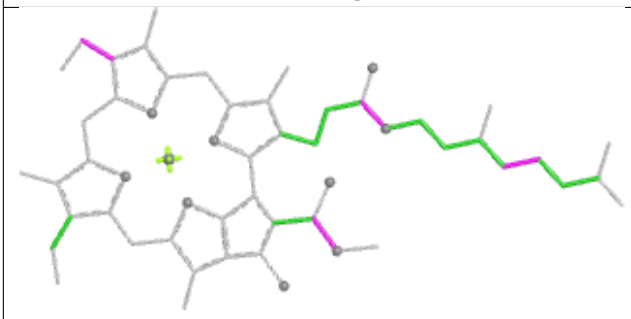
Ligand CLA G 1222



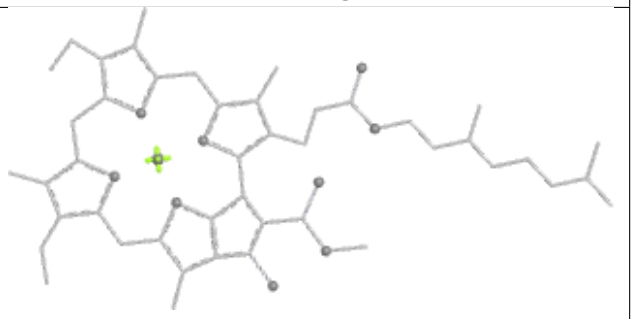
Bond lengths



Bond angles

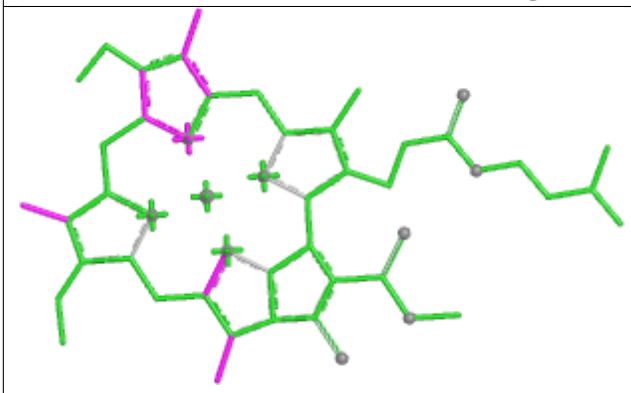


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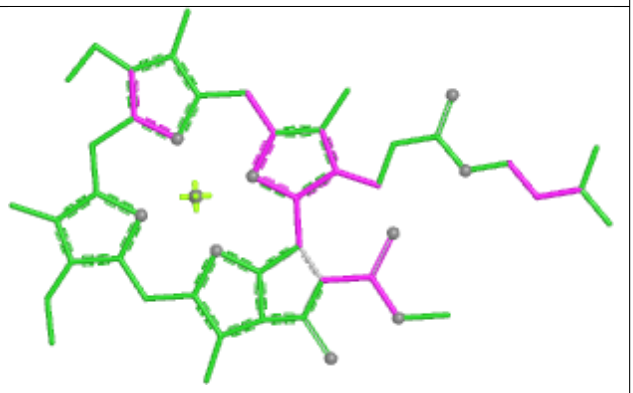


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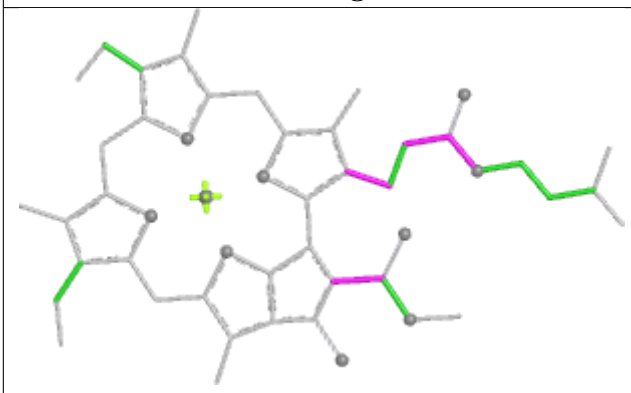
Ligand CLA w 502



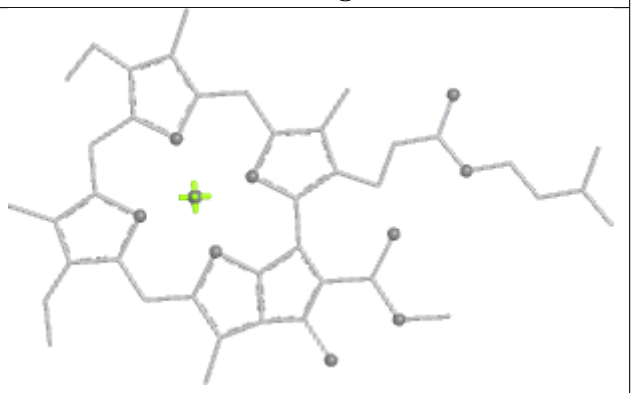
Bond lengths



Bond angles

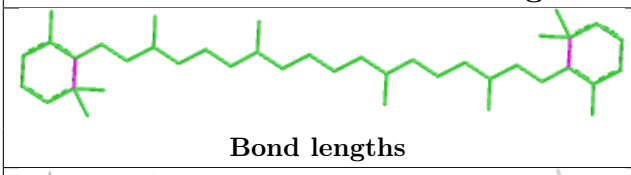


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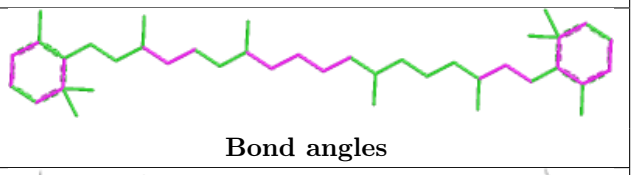


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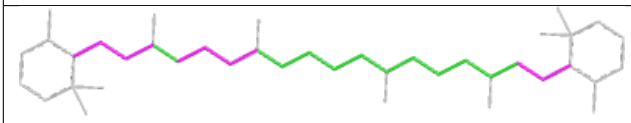
Ligand BCR u 604



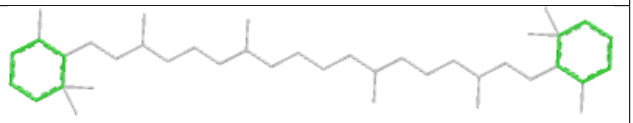
Bond lengths



Bond angles

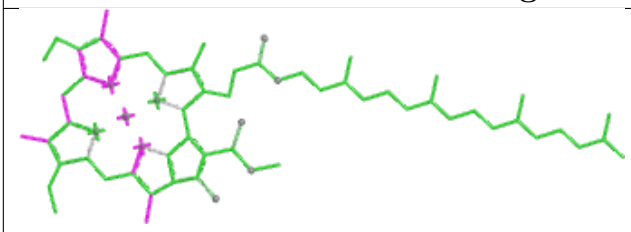


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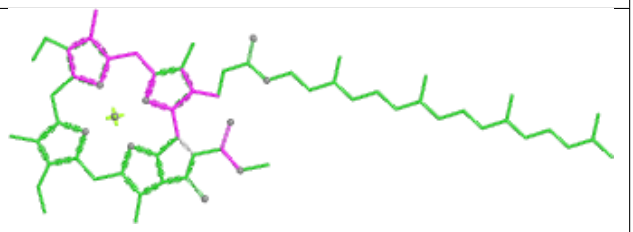


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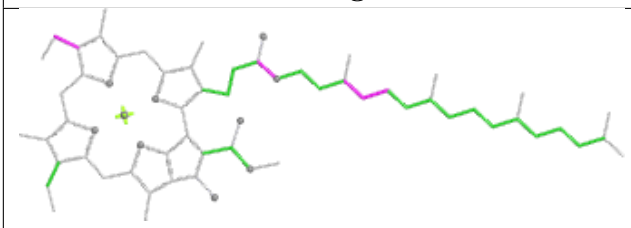
Ligand CLA a 1130



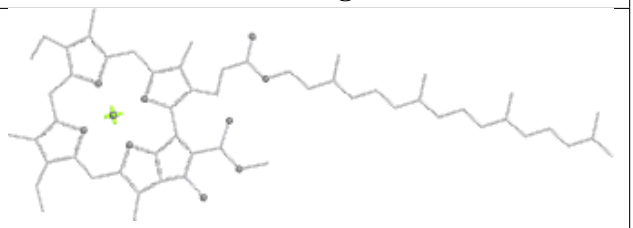
Bond lengths



Bond angles

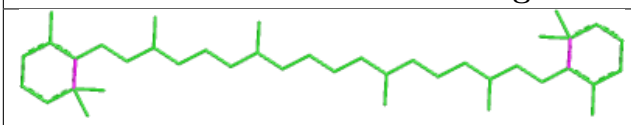


Torsions

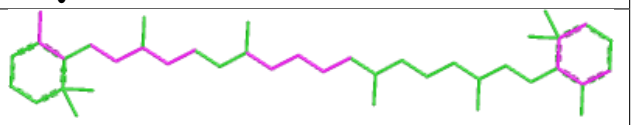


Rings

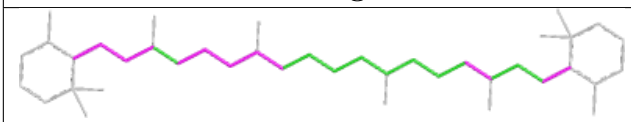
Ligand BCR Q 4016



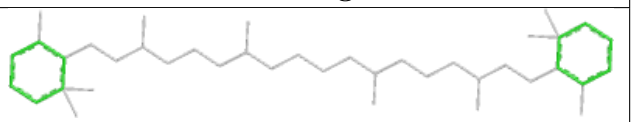
Bond lengths



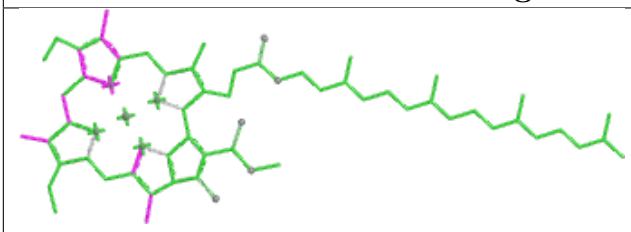
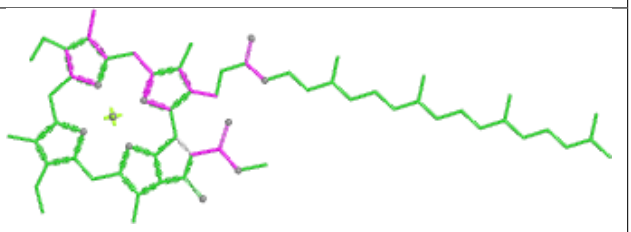
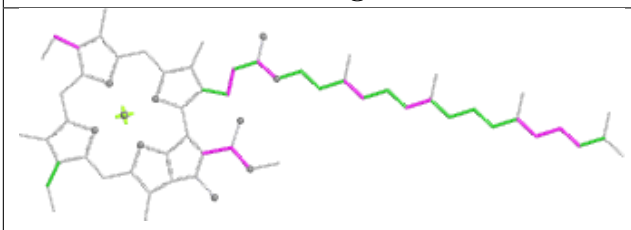
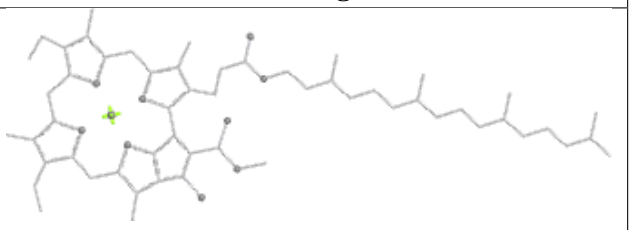
Bond angles

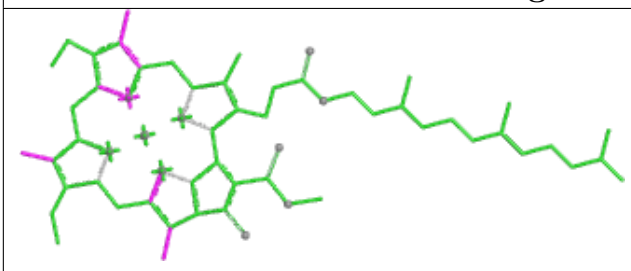
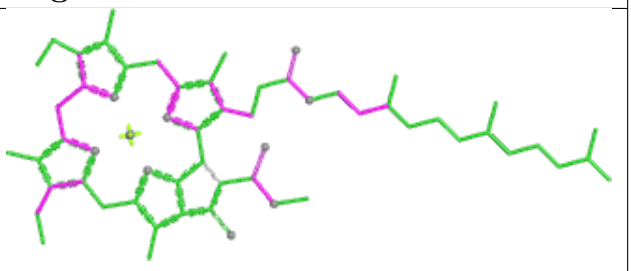
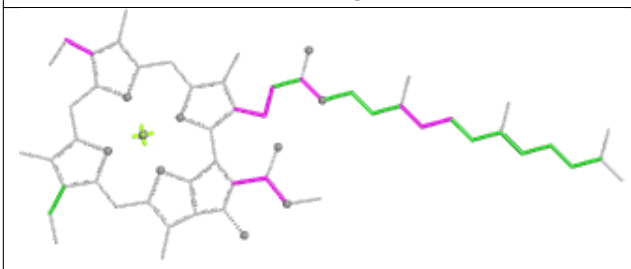
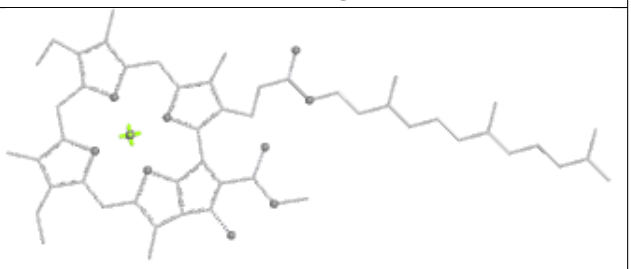


Torsions

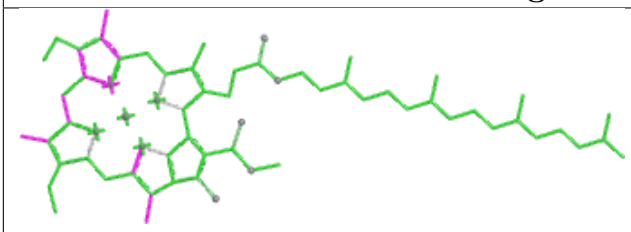


Rings

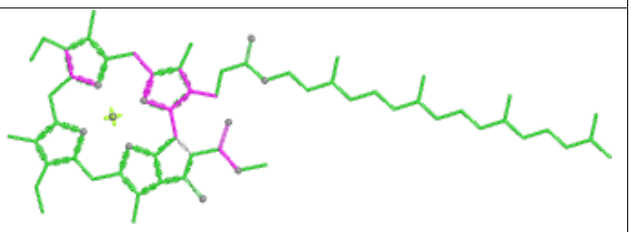
Ligand CLA H 1119	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA g 506	
 Bond lengths	 Bond angles
 Torsions	 Rings

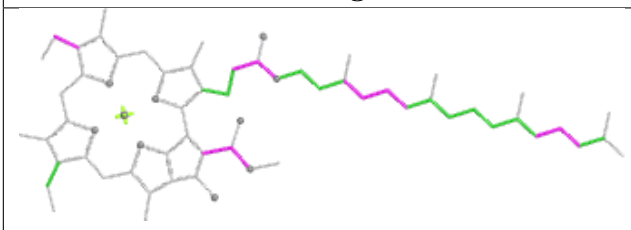
Ligand CLA x 507



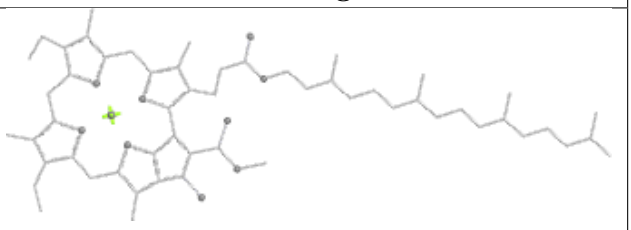
Bond lengths



Bond angles



Torsions

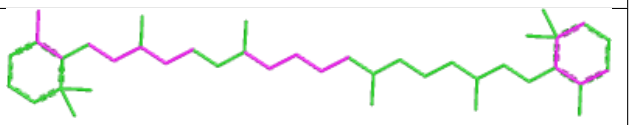


Rings

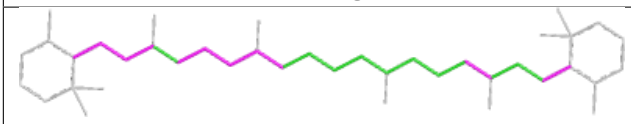
Ligand BCR f 4016



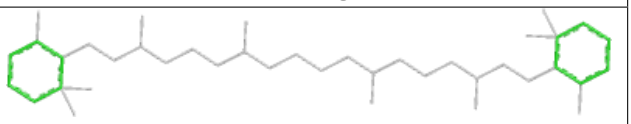
Bond lengths



Bond angles

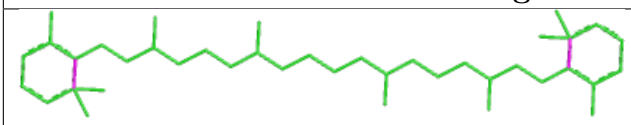


Torsions

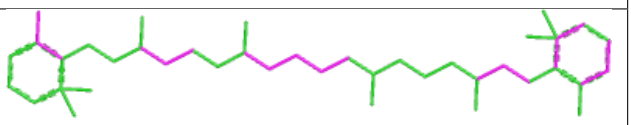


Rings

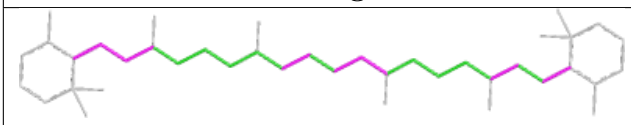
Ligand BCR A 4008



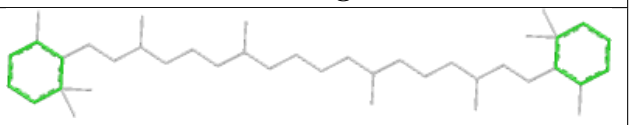
Bond lengths



Bond angles

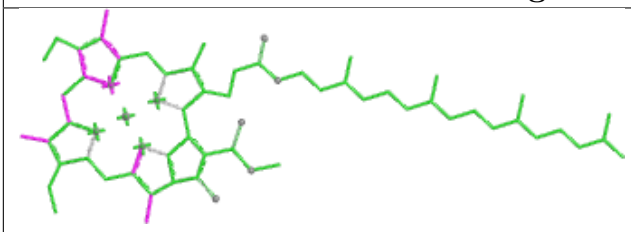


Torsions

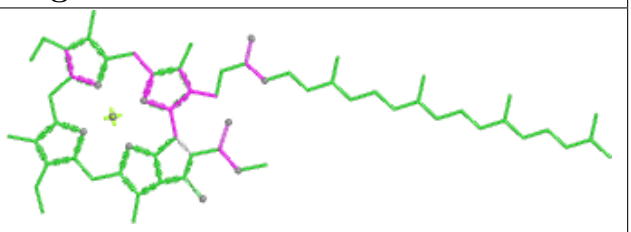


Rings

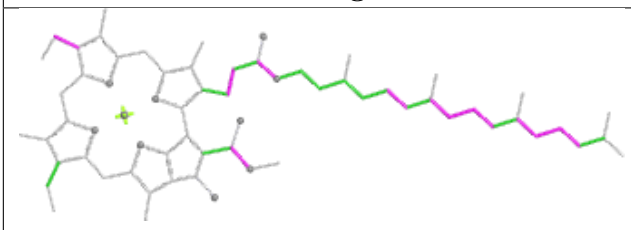
Ligand CLA g 515



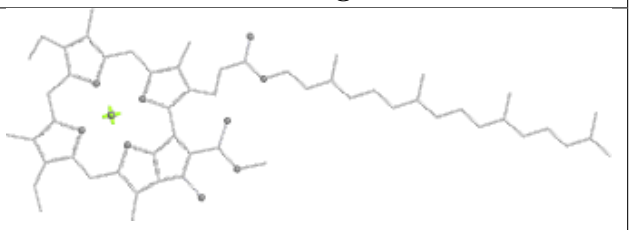
Bond lengths



Bond angles

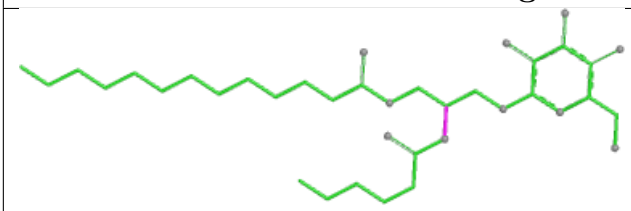


Torsions

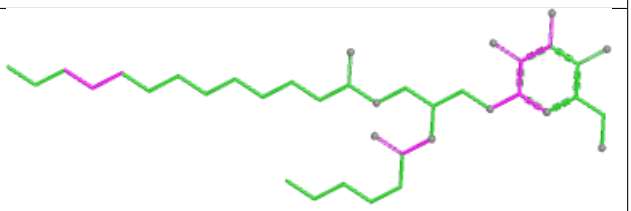


Rings

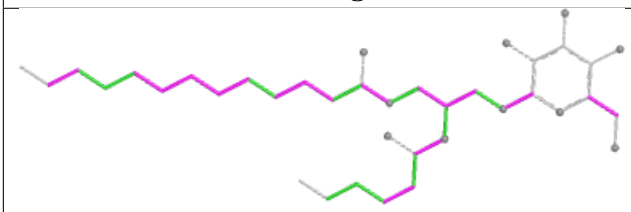
Ligand LMG H 852



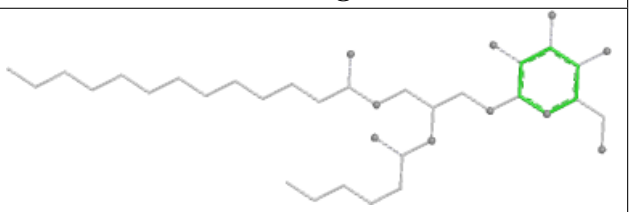
Bond lengths



Bond angles

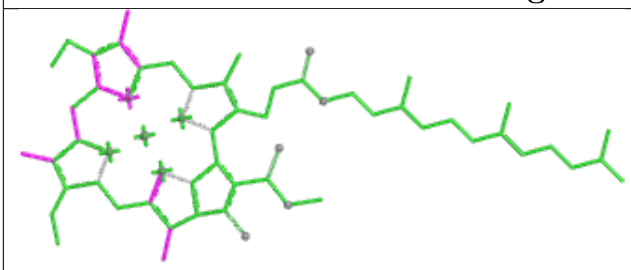


Torsions

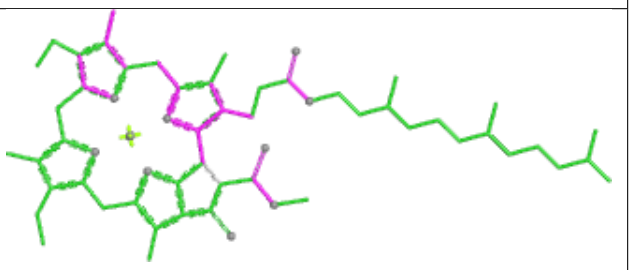


Rings

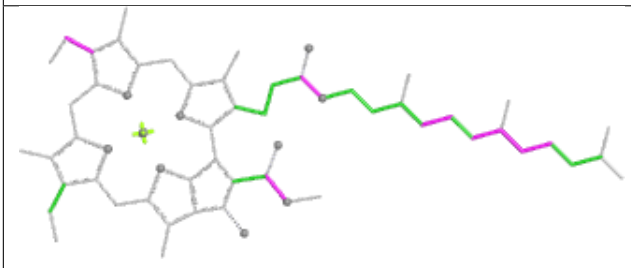
Ligand CLA x 509



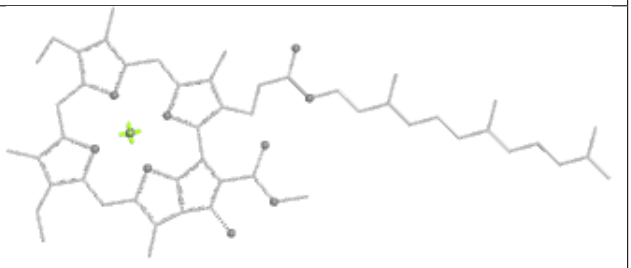
Bond lengths



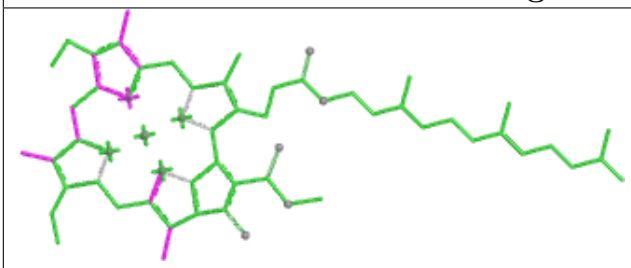
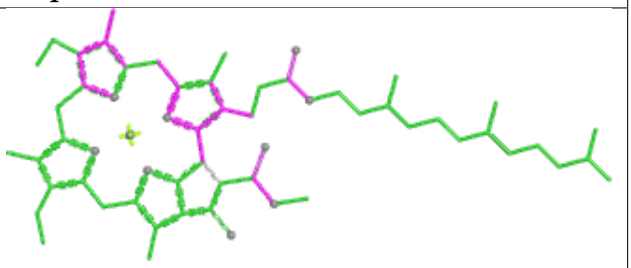
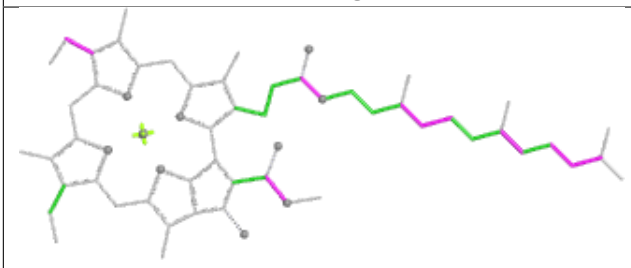
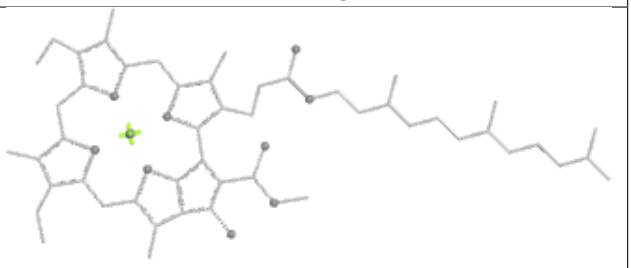
Bond angles

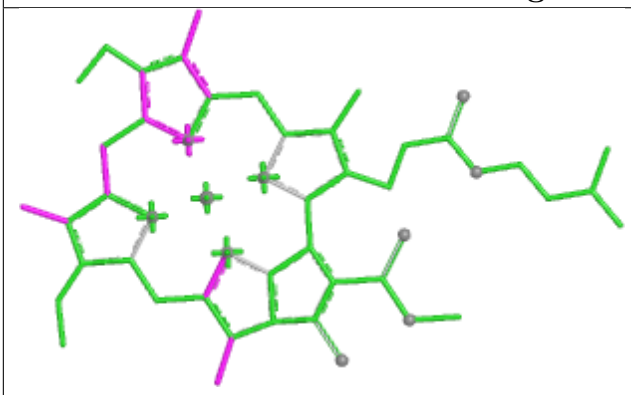
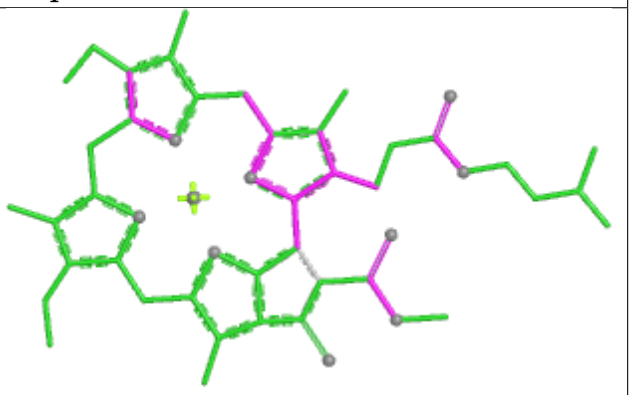
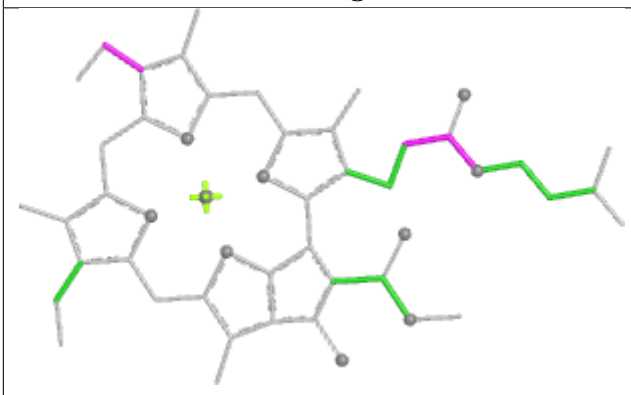
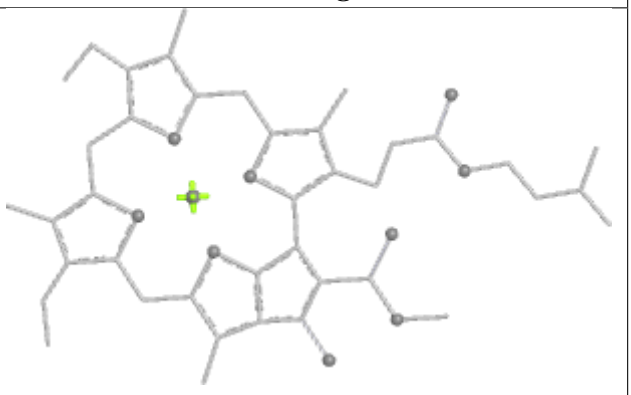


Torsions

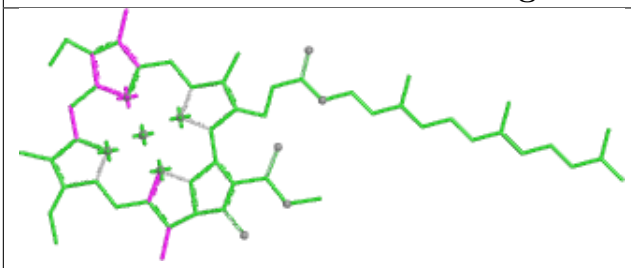


Rings

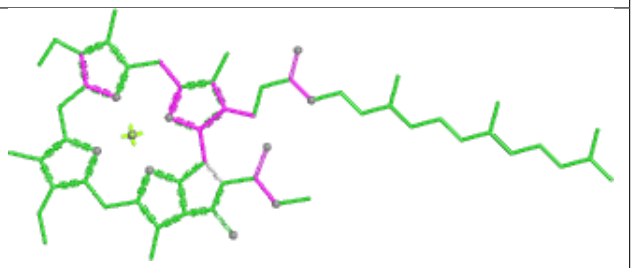
Ligand CLA p 509	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA p 513	
 Bond lengths	 Bond angles
 Torsions	 Rings

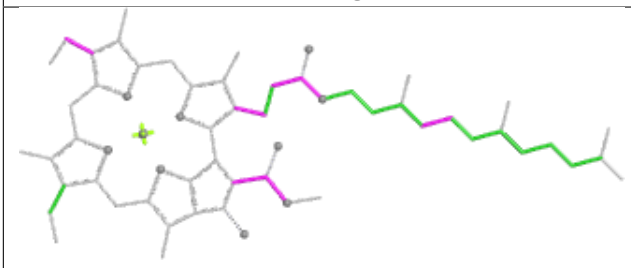
Ligand CLA W 507



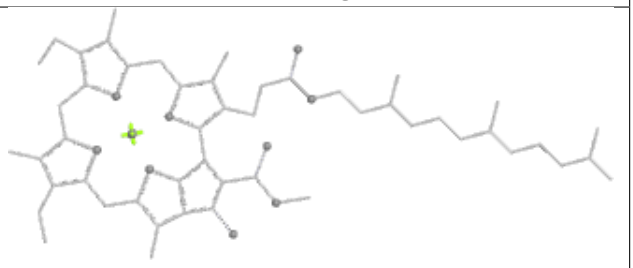
Bond lengths



Bond angles

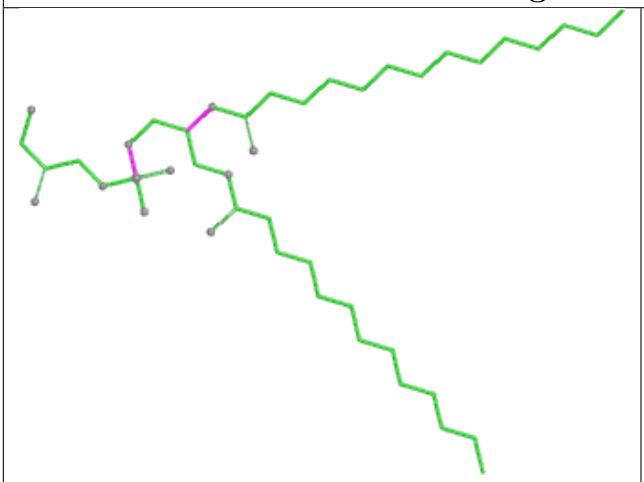


Torsions

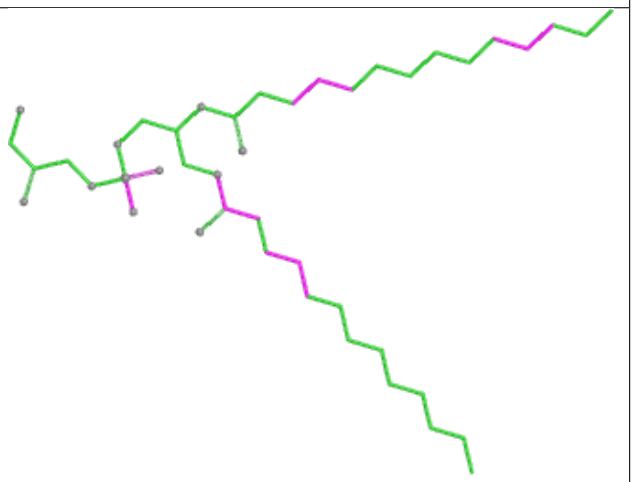


Rings

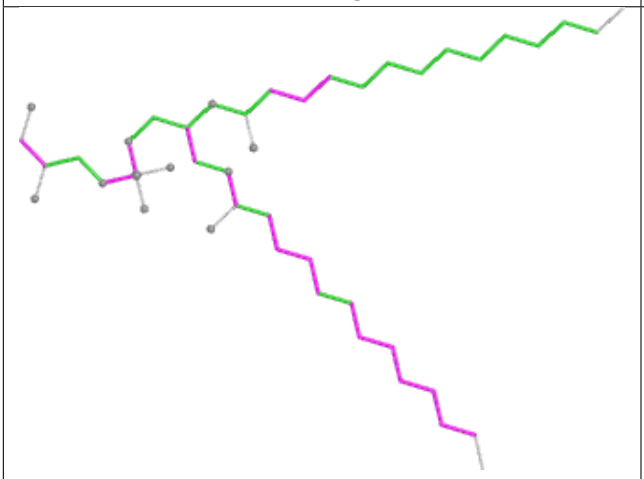
Ligand LHG I 103



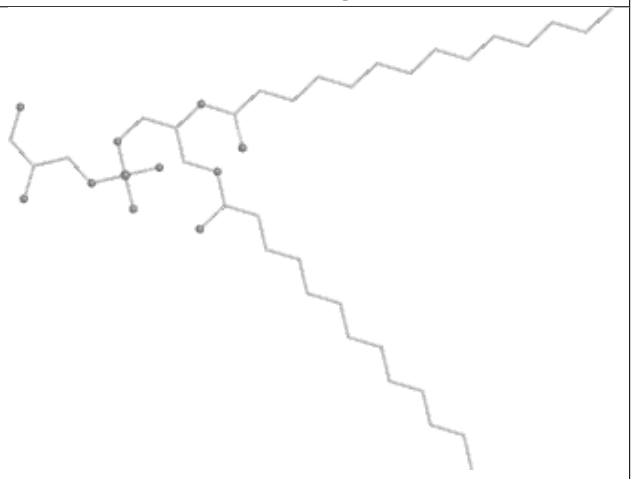
Bond lengths



Bond angles

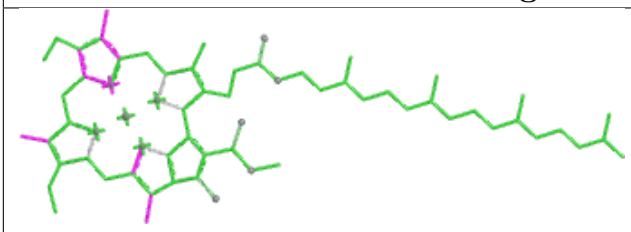


Torsions

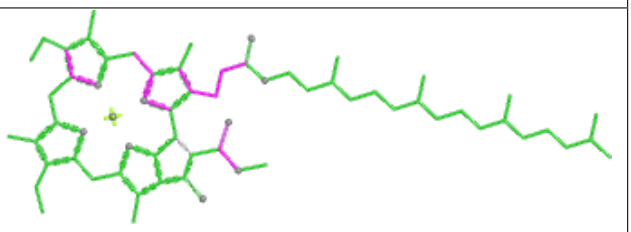


Rings

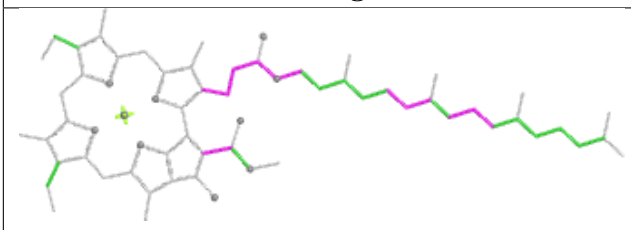
Ligand CLA a 1103



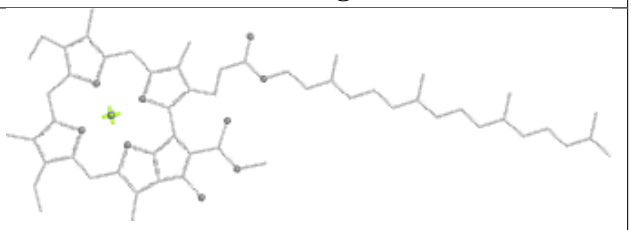
Bond lengths



Bond angles

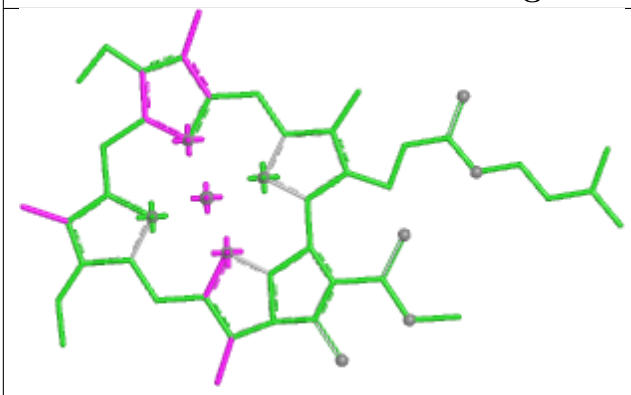


Torsions

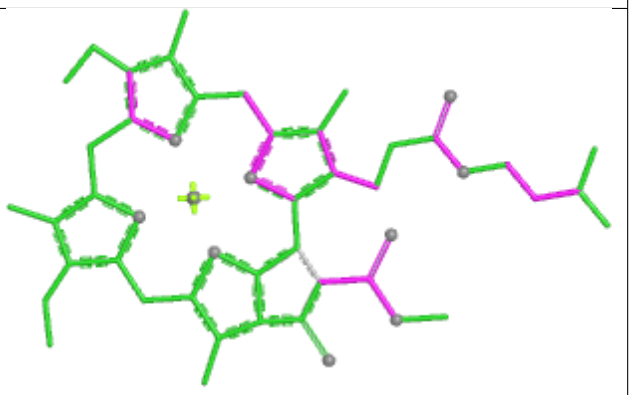


Rings

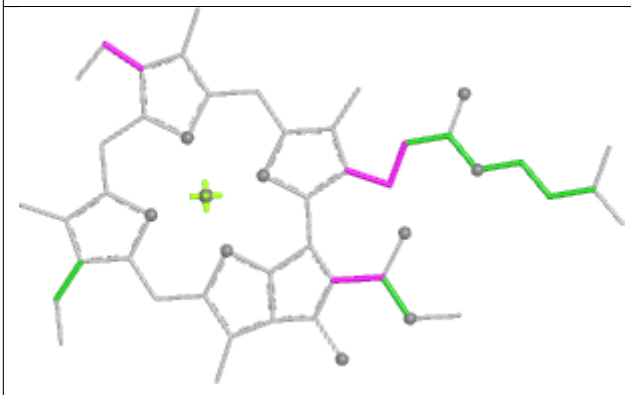
Ligand CLA X 502



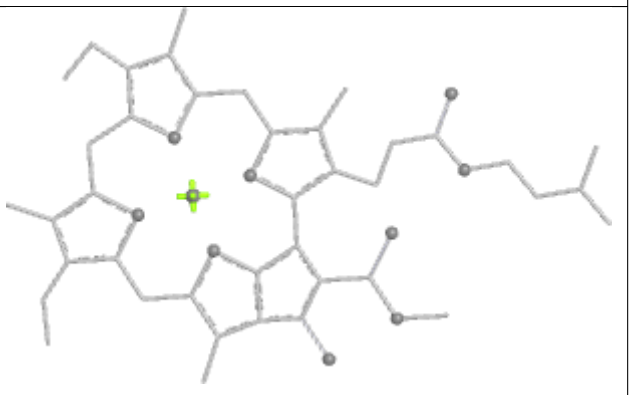
Bond lengths



Bond angles

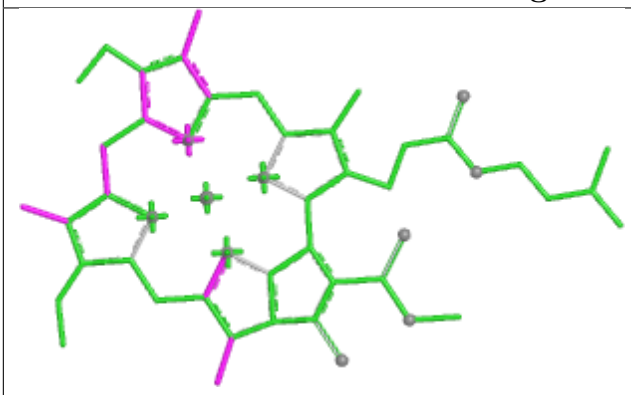


Torsions

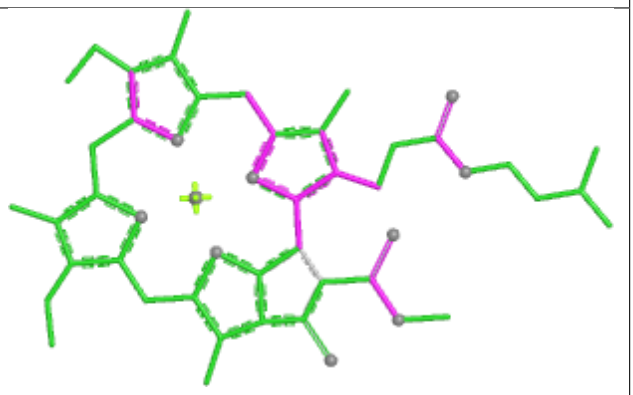


Rings

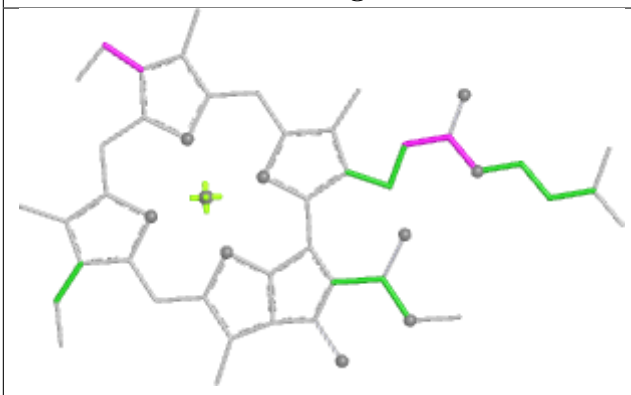
Ligand CLA s 513



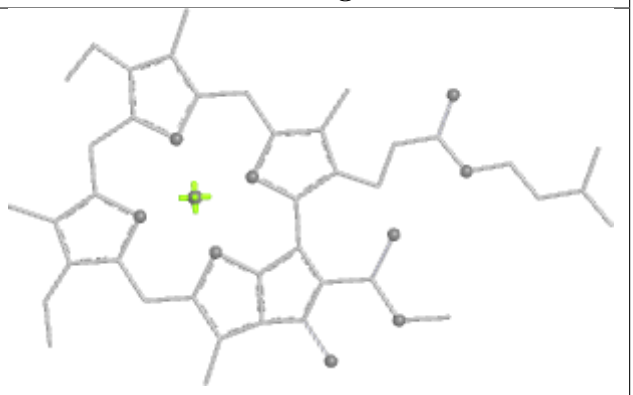
Bond lengths



Bond angles



Torsions

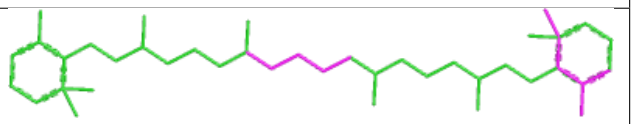


Rings

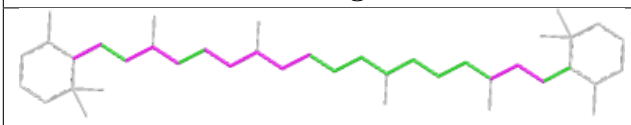
Ligand BCR a 4003



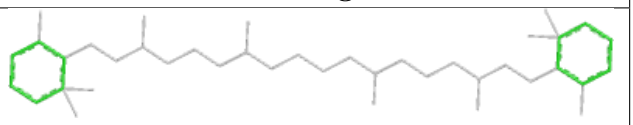
Bond lengths



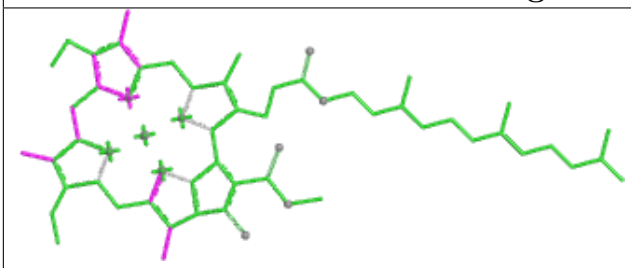
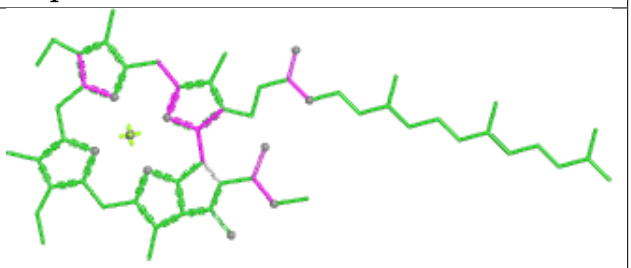
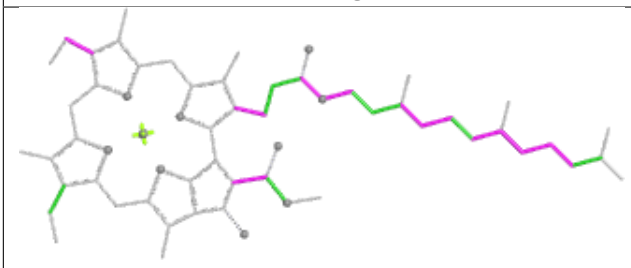
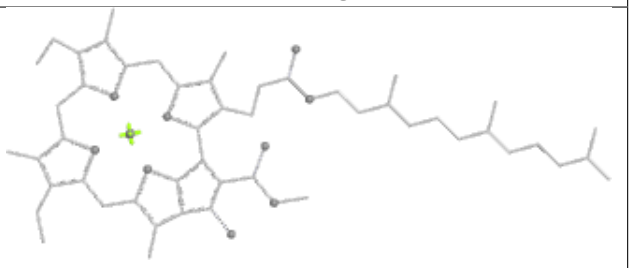
Bond angles

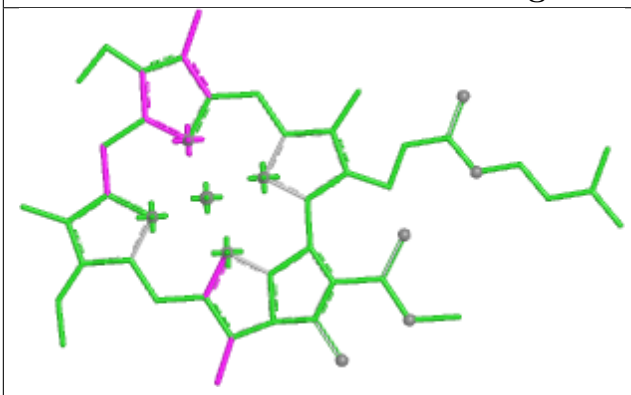
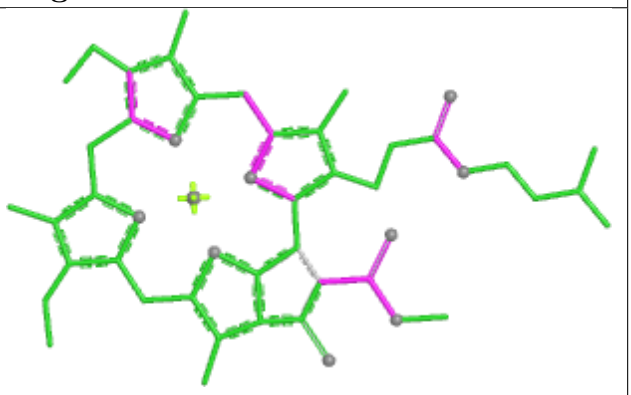
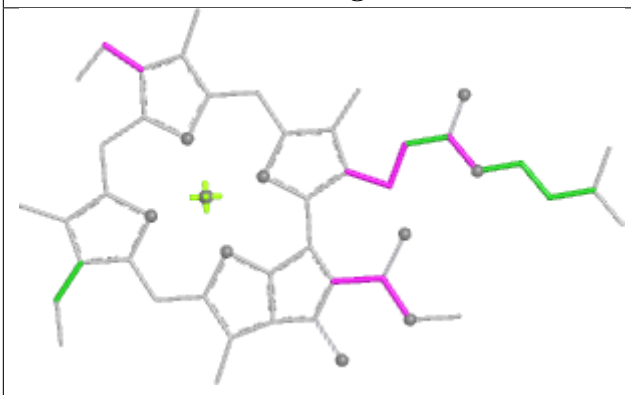
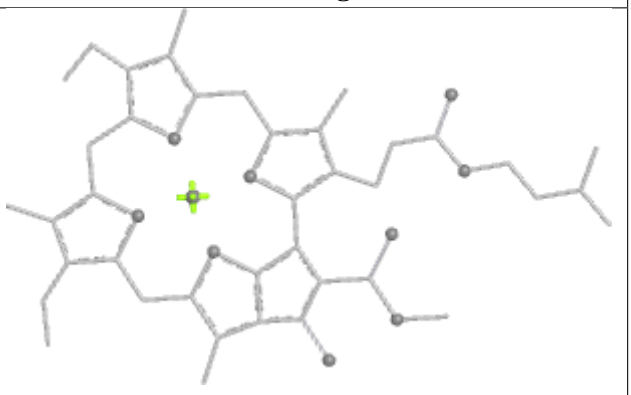


Torsions

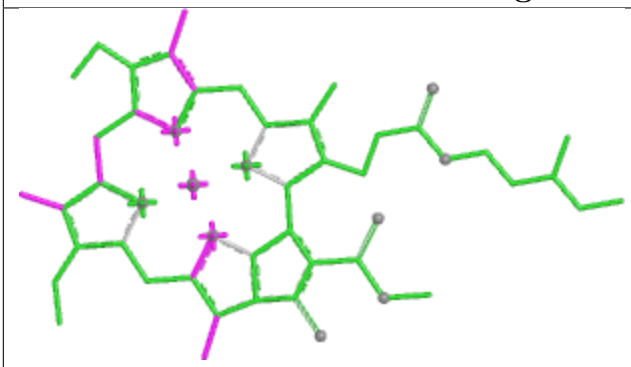


Rings

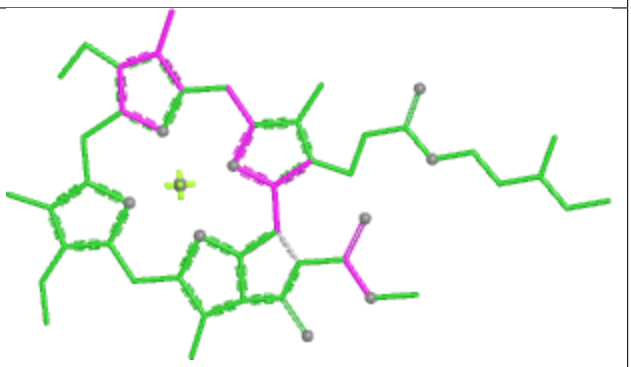
Ligand CLA p 504	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA g 514	
 Bond lengths	 Bond angles
 Torsions	 Rings

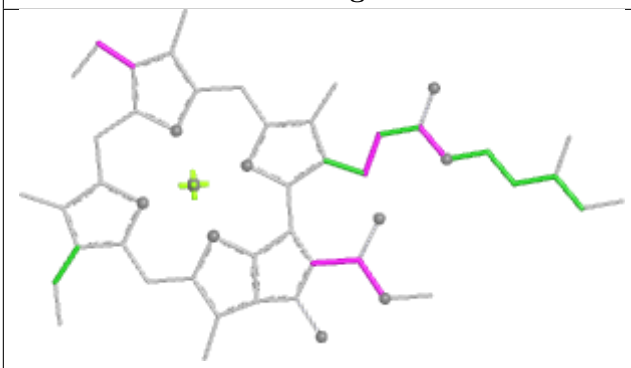
Ligand CLA A 1135



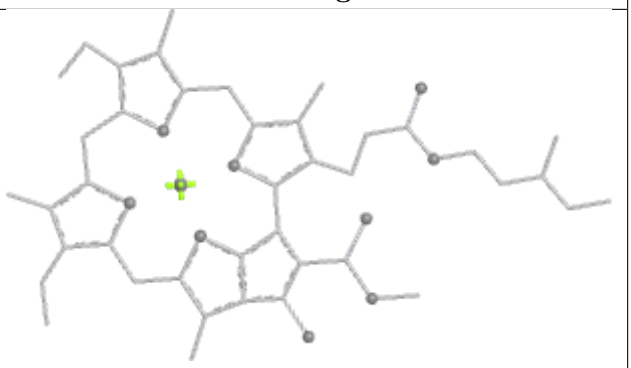
Bond lengths



Bond angles

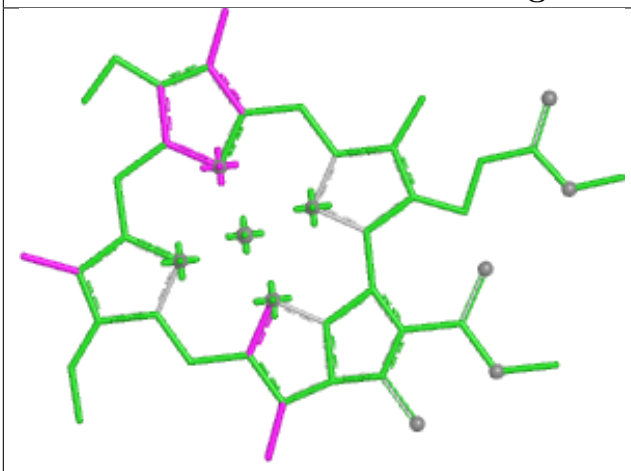


Torsions

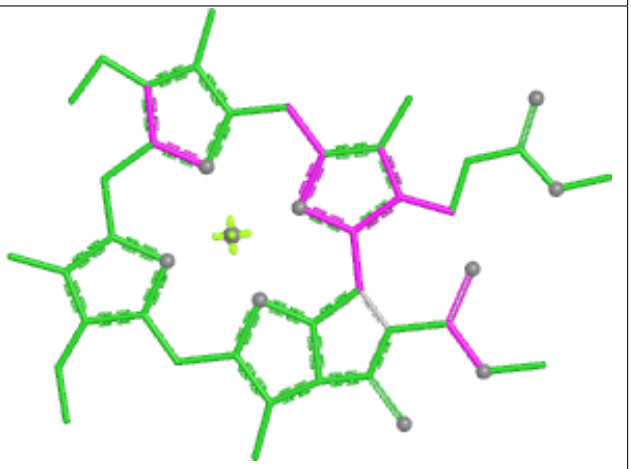


Rings

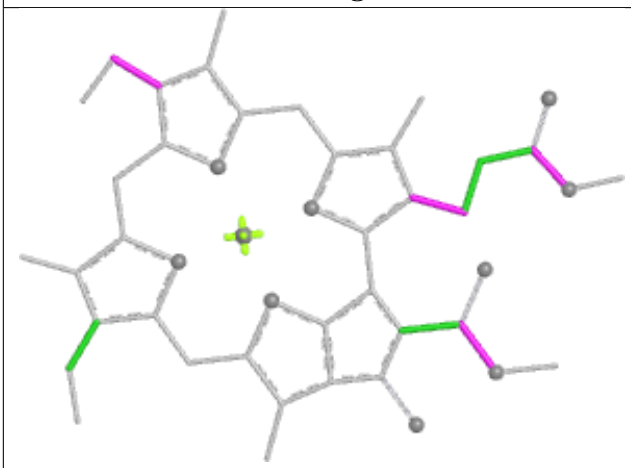
Ligand CLA o 503



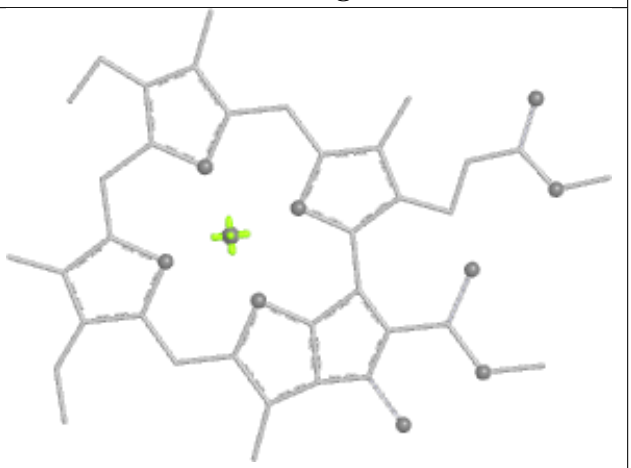
Bond lengths



Bond angles

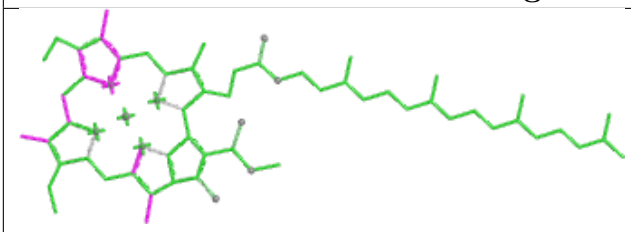


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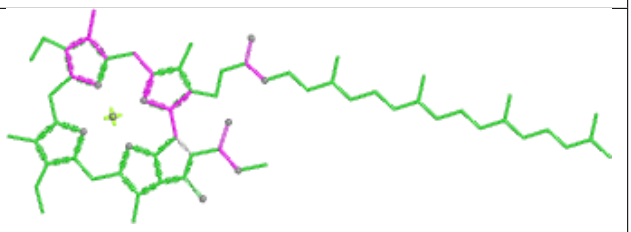


Rings

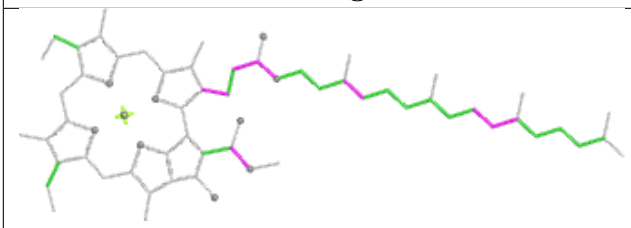
Ligand CLA X 511



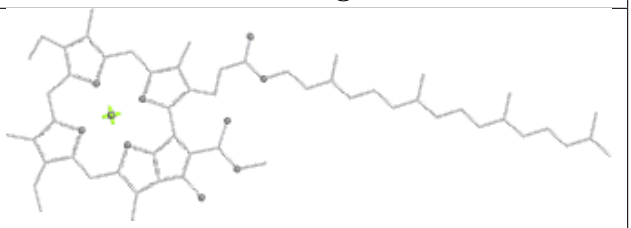
Bond lengths



Bond angles

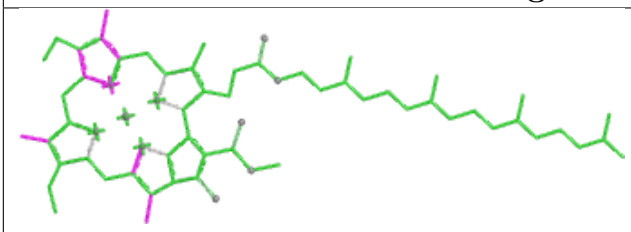


Torsions

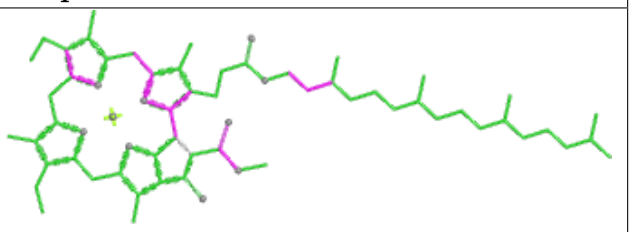


Rings

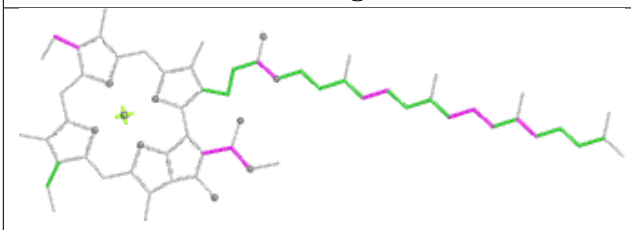
Ligand CLA q 507



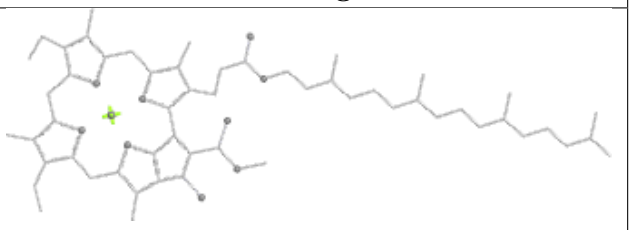
Bond lengths



Bond angles

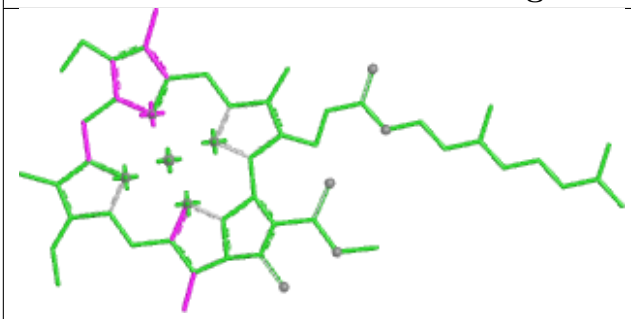


Torsions

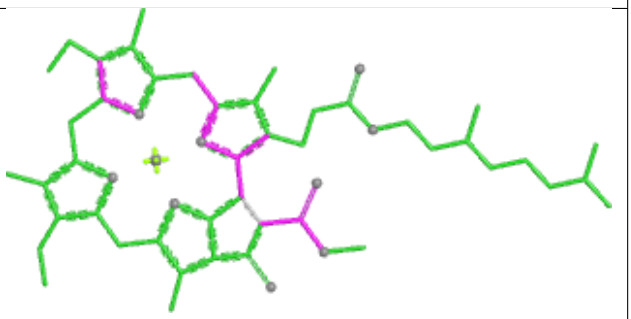


Rings

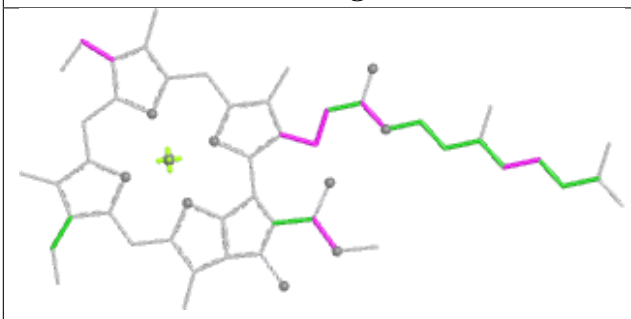
Ligand CLA Z 508



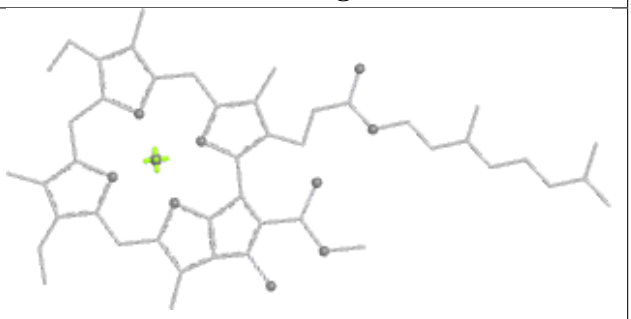
Bond lengths



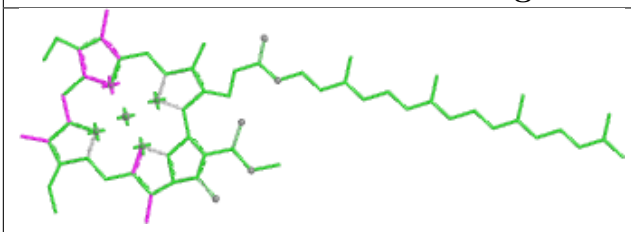
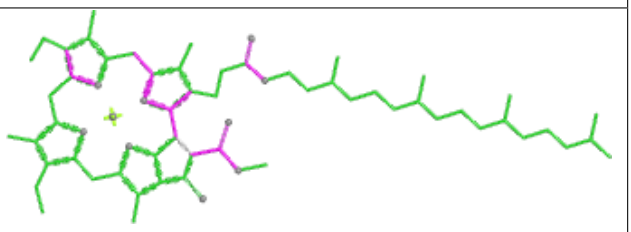
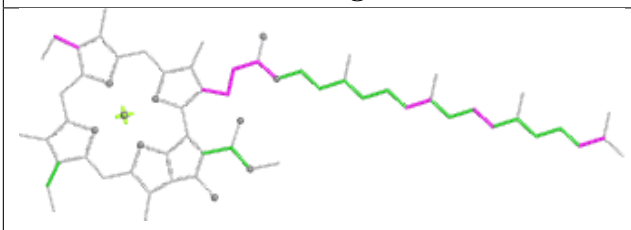
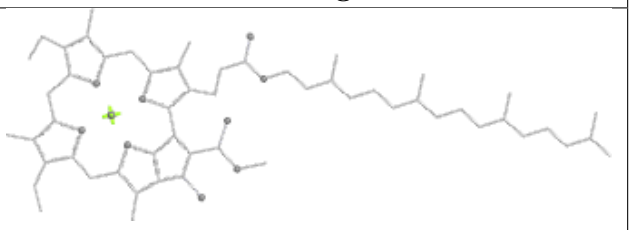
Bond angles

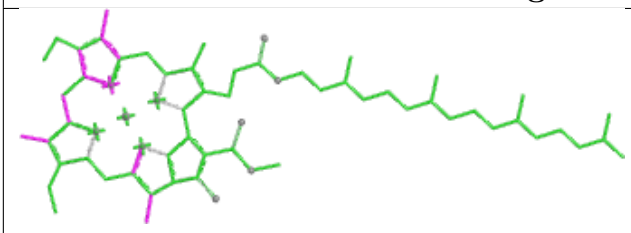
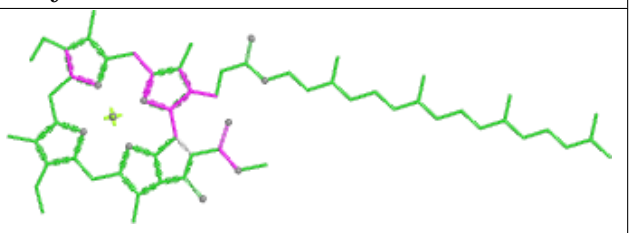
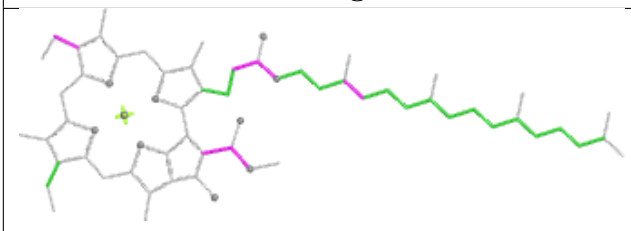
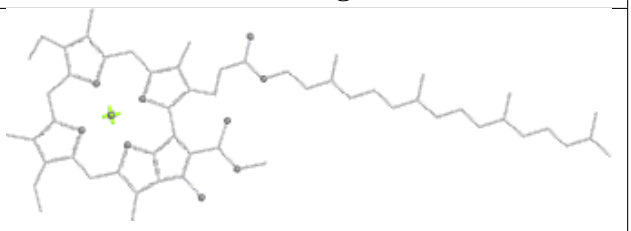


Torsions

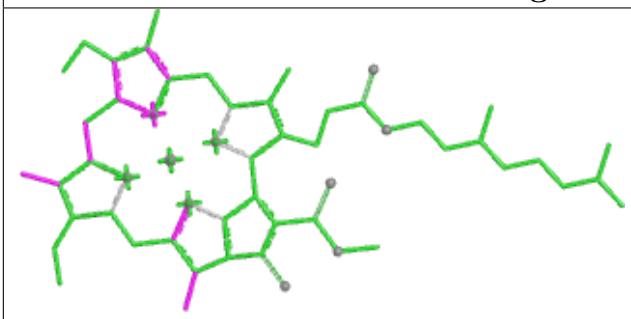


Rings

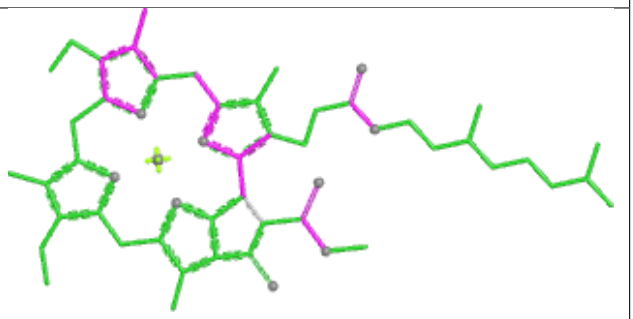
Ligand CLA U 1502	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA y 507	
 Bond lengths	 Bond angles
 Torsions	 Rings

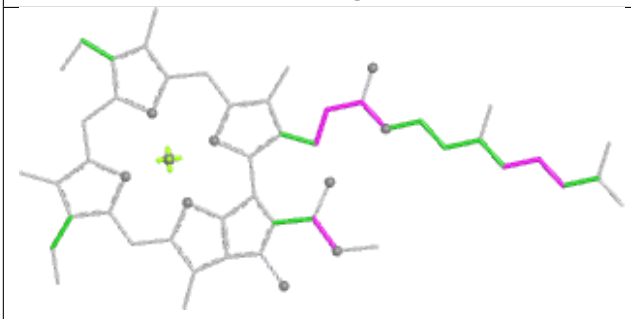
Ligand CLA r 517



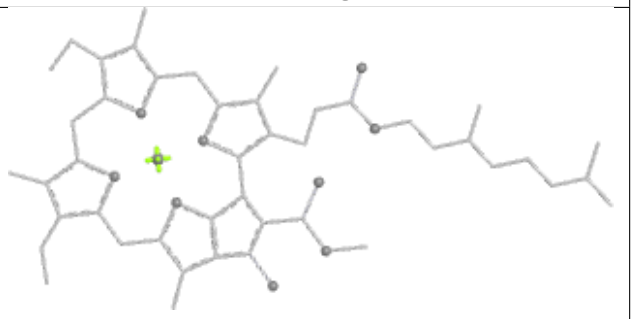
Bond lengths



Bond angles

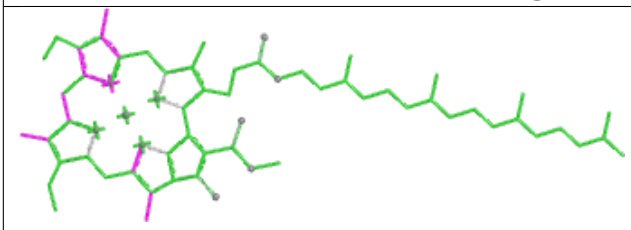


Torsions

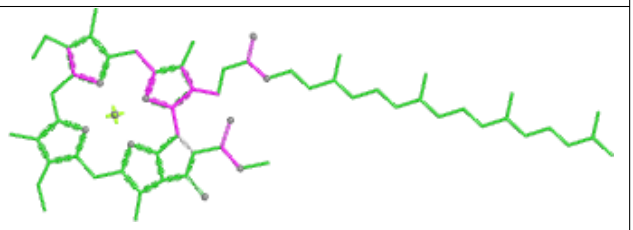


Rings

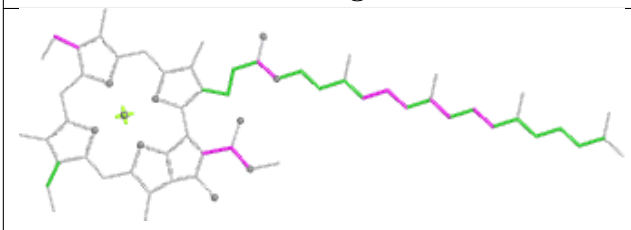
Ligand CLA o 507



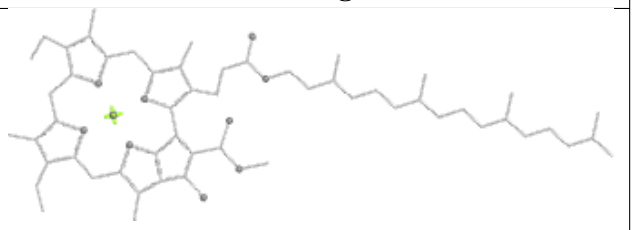
Bond lengths



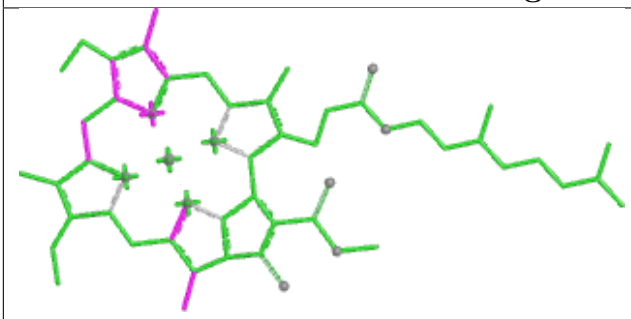
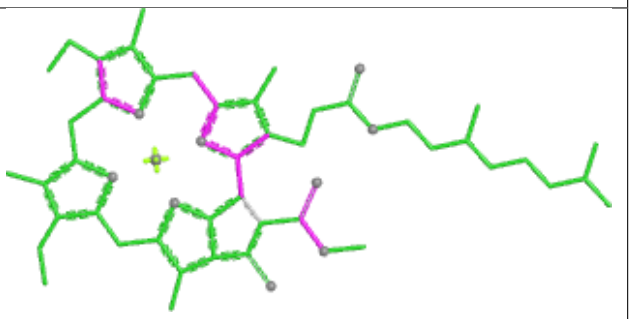
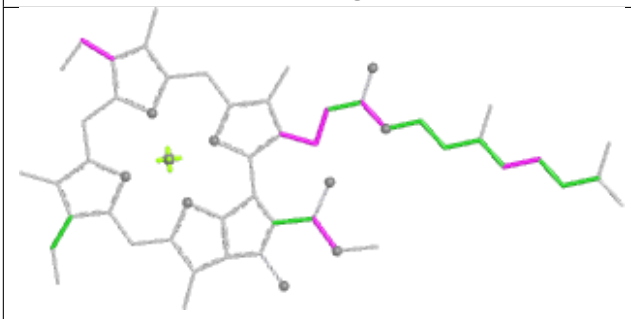
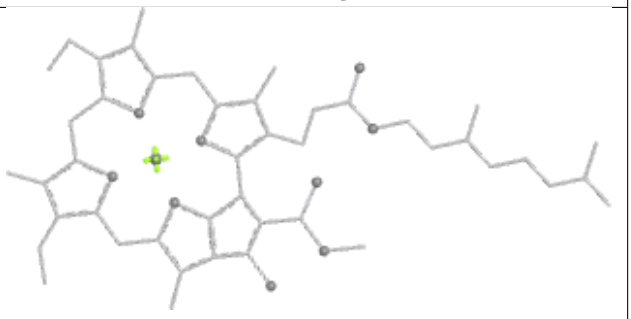
Bond angles

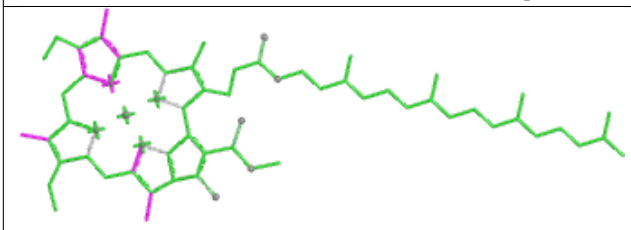
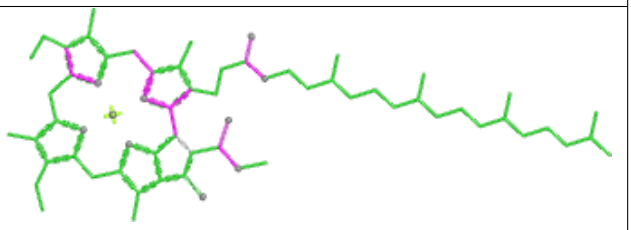
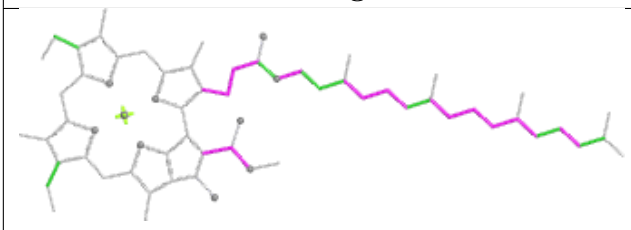
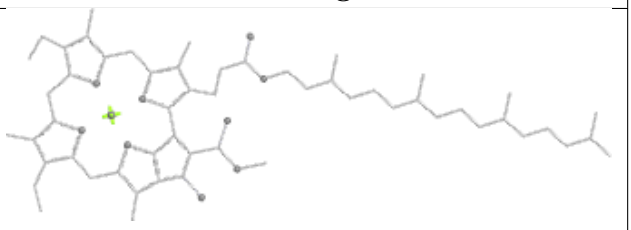


Torsions

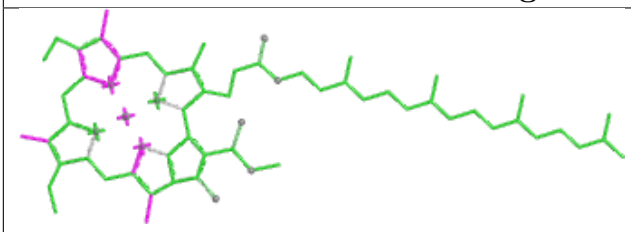


Rings

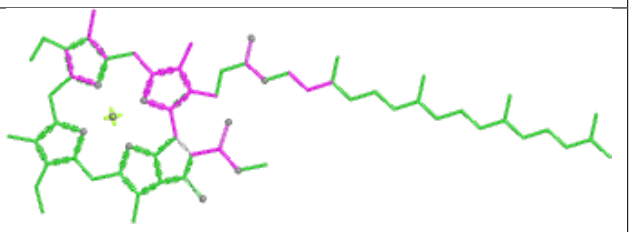
Ligand CLA w 508	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA b 1207	
 Bond lengths	 Bond angles
 Torsions	 Rings

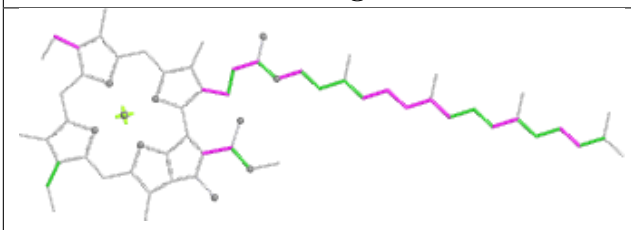
Ligand CL0 A 1011



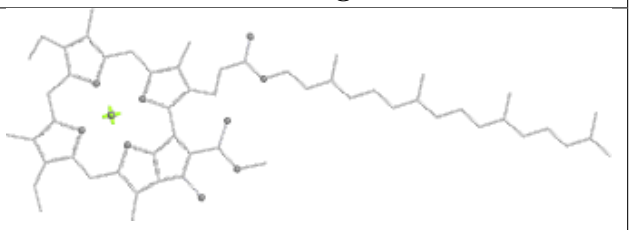
Bond lengths



Bond angles



Torsions

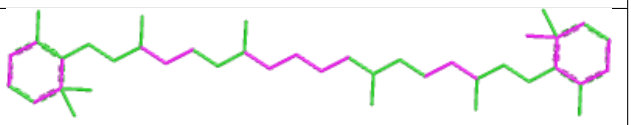


Rings

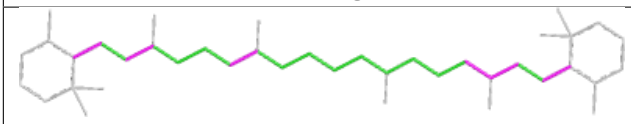
Ligand BCR U 4022



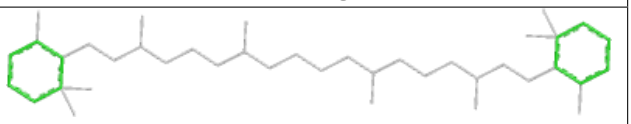
Bond lengths



Bond angles

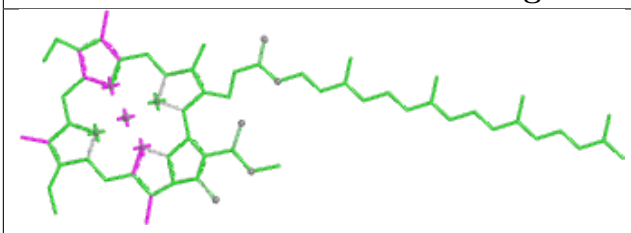


Torsions

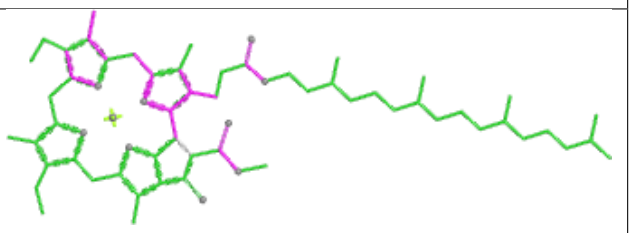


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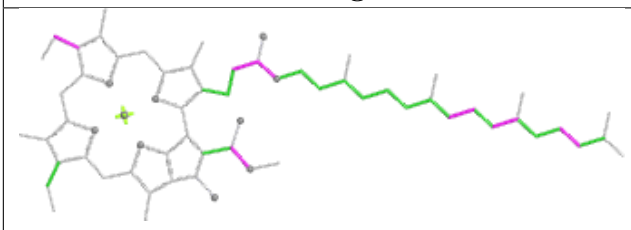
Ligand CLA Y 510



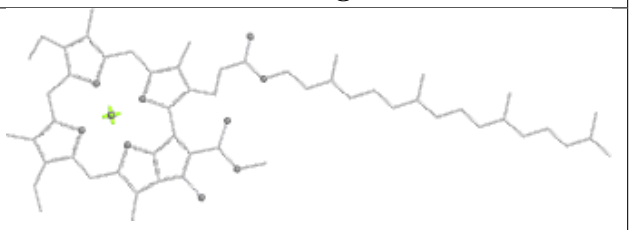
Bond lengths



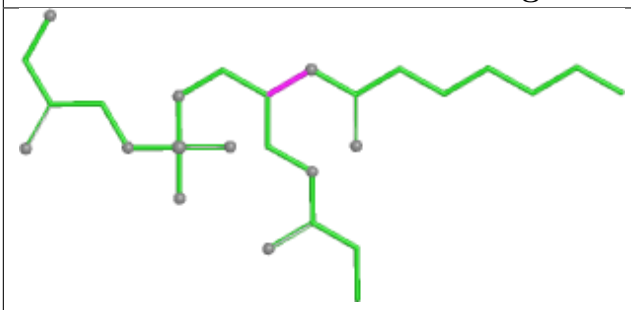
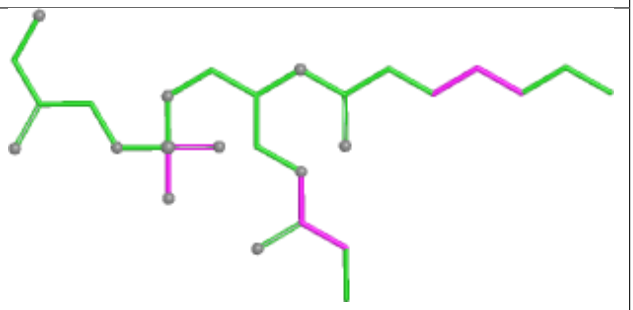
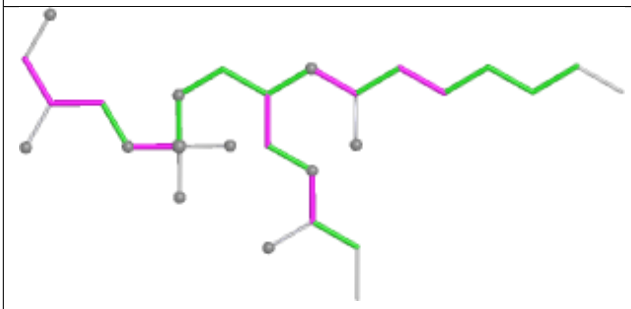
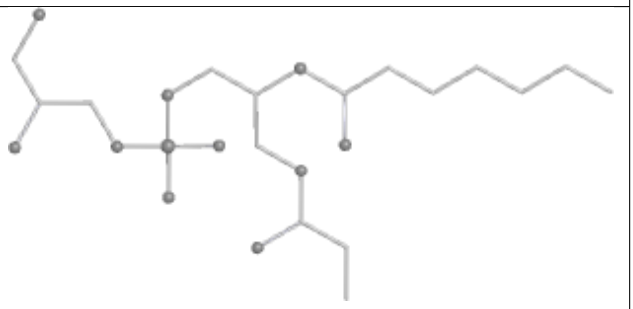
Bond angles

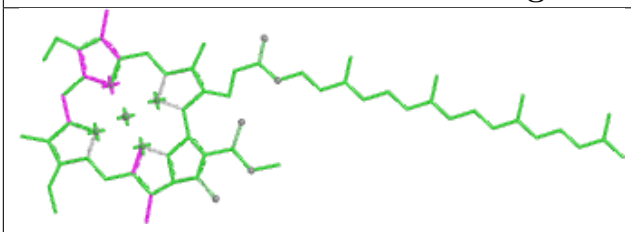
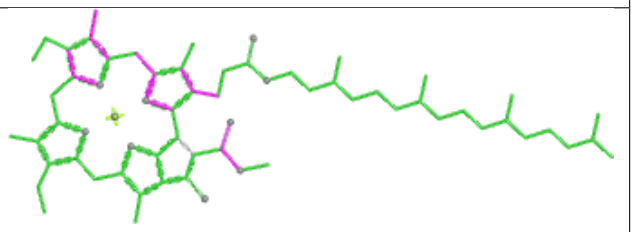
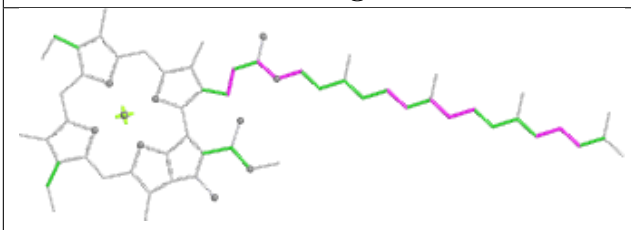
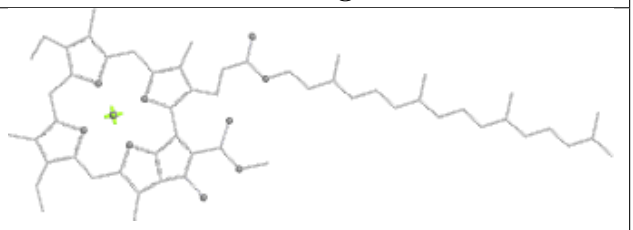


Torsions

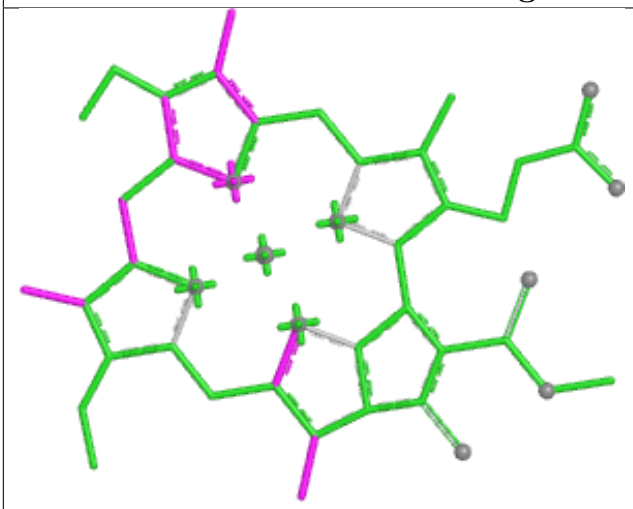


Rings

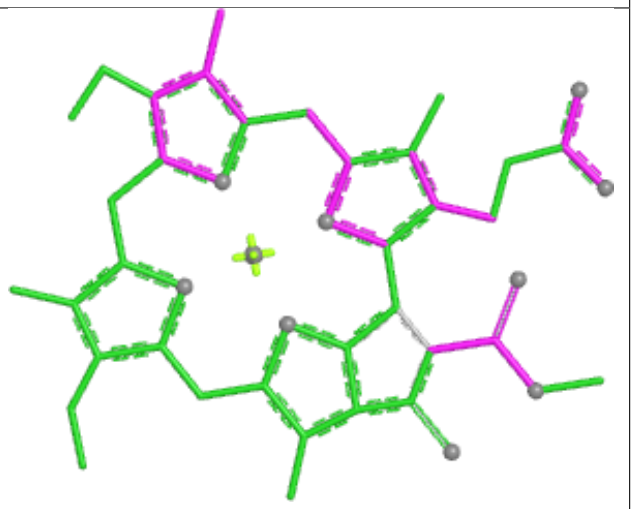
Ligand LHG A 851	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA u 515	
	
Bond lengths	Bond angles
	
Torsions	Rings

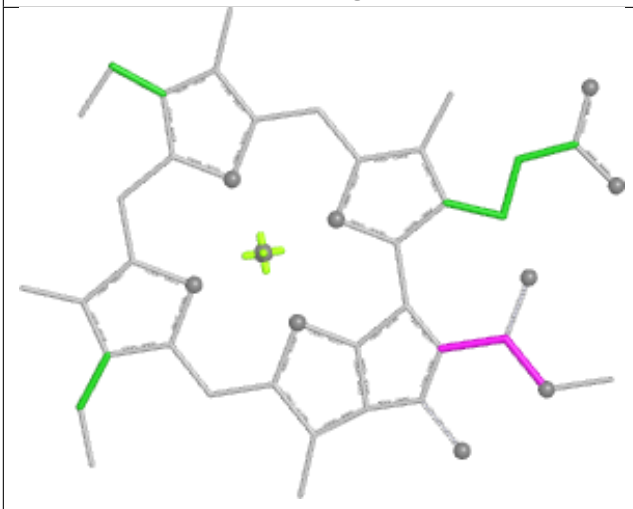
Ligand CLA b 1230



Bond lengths



Bond angles

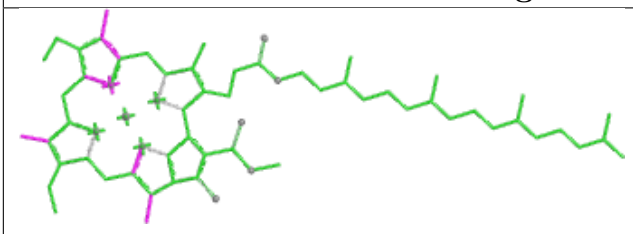


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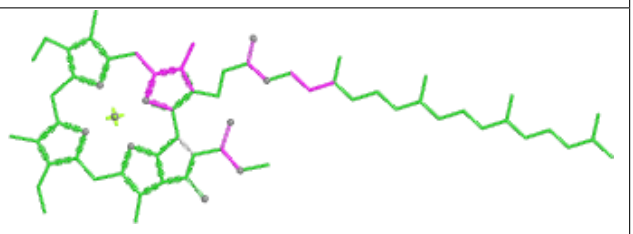


Rings

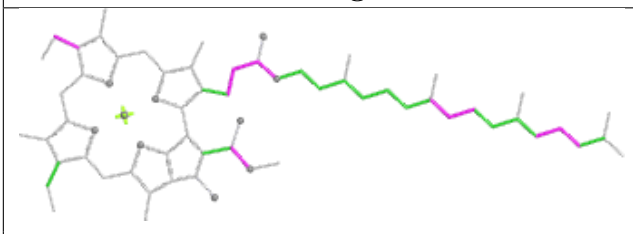
Ligand CLA B 1021



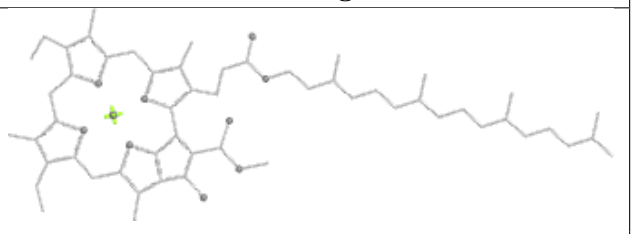
Bond lengths



Bond angles

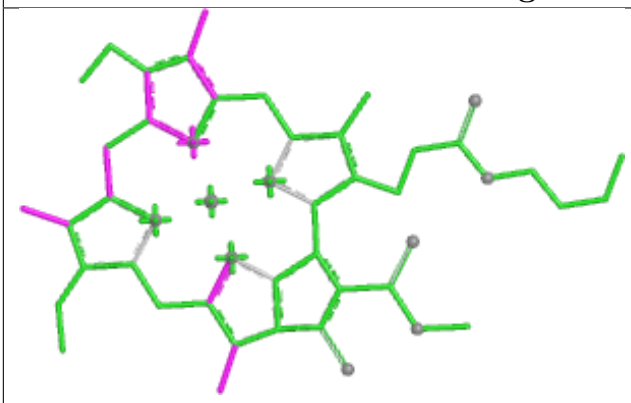


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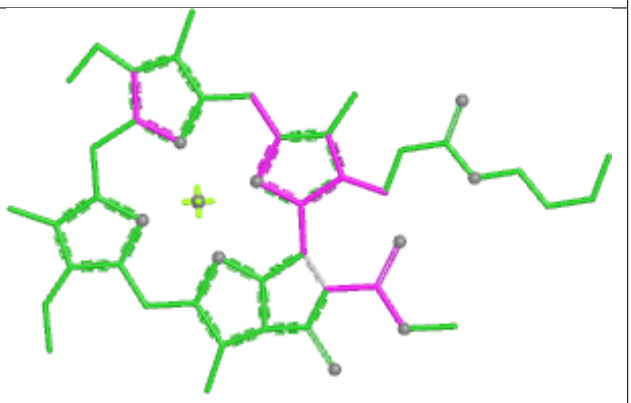


Rings

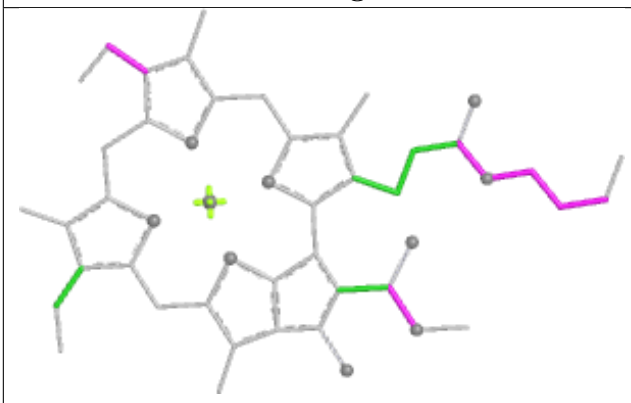
Ligand CLA b 1227



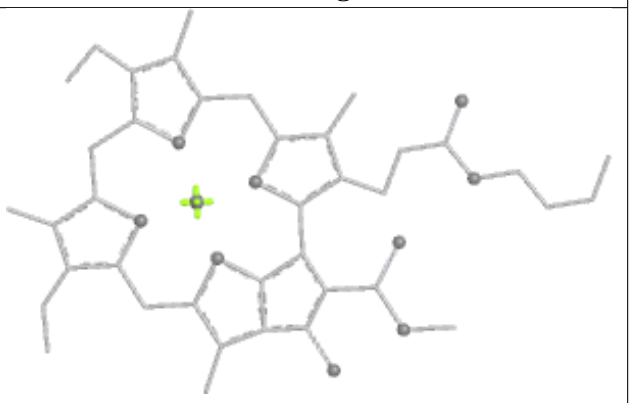
Bond lengths



Bond angles



Torsions

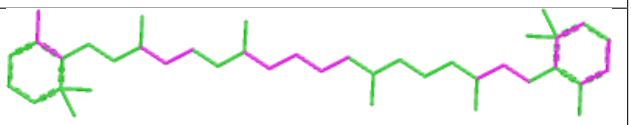


Rings

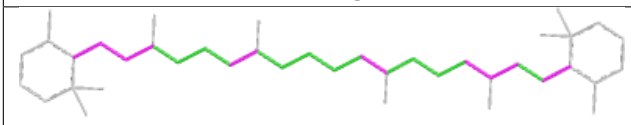
Ligand BCR v 603



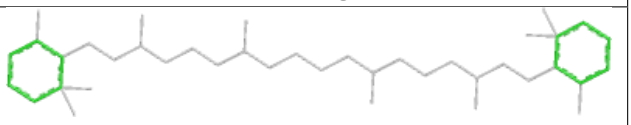
Bond lengths



Bond angles

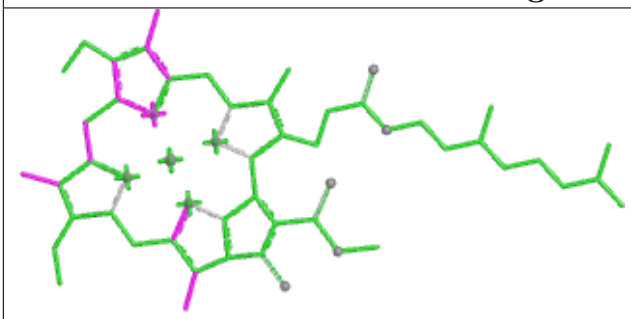


Torsions

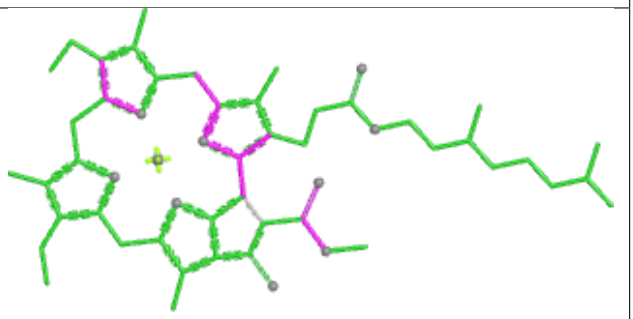


Rings

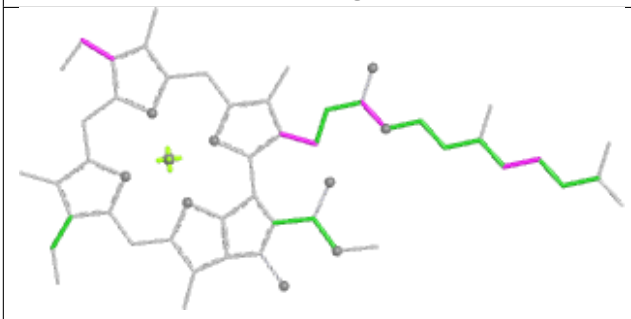
Ligand CLA h 508



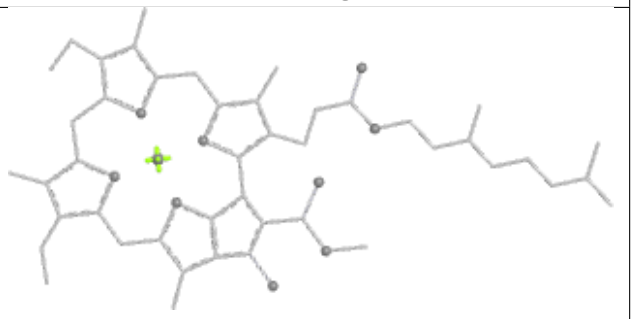
Bond lengths



Bond angles

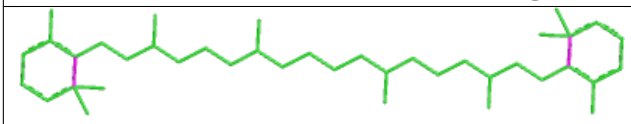


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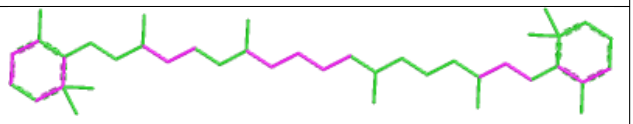


Rings

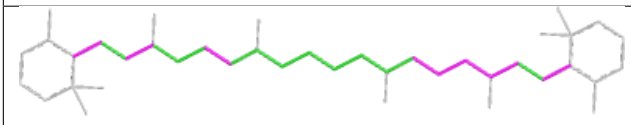
Ligand BCR o 602



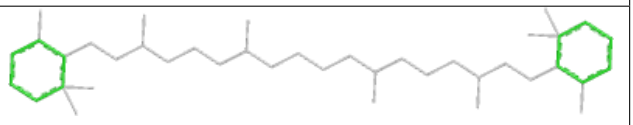
Bond lengths



Bond angles

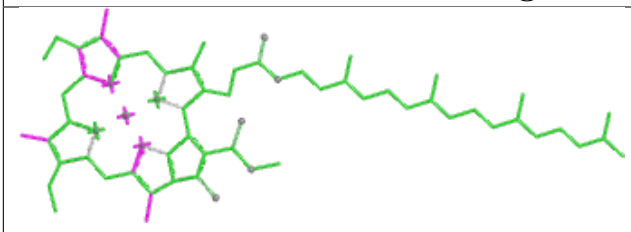


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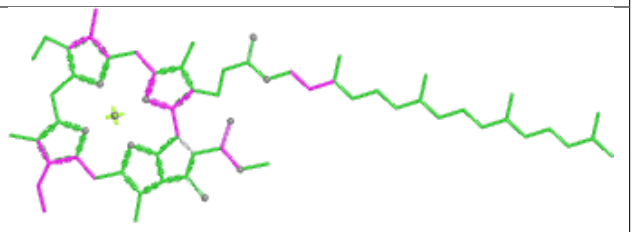


Rings

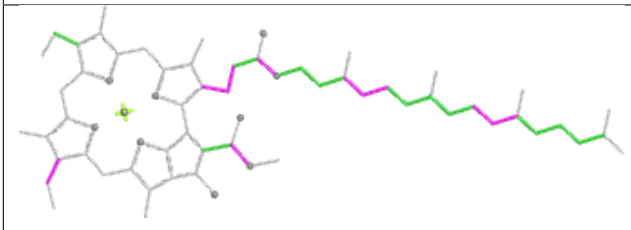
Ligand CLA b 1210



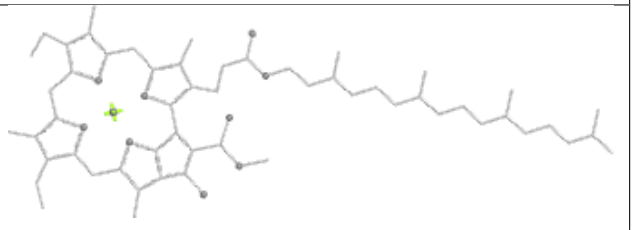
Bond lengths



Bond angles

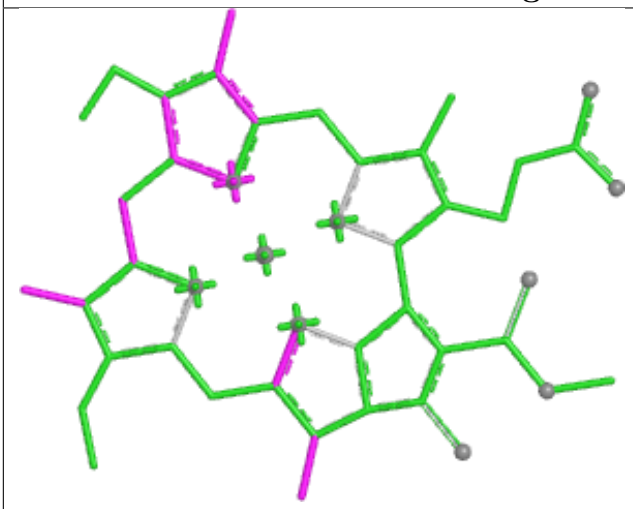


Torsions

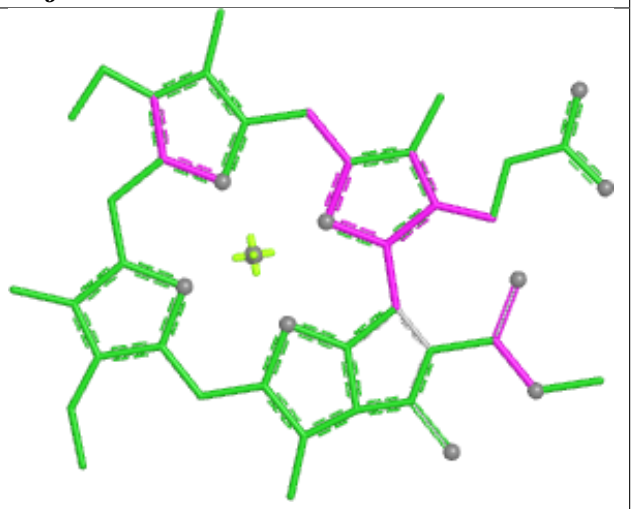


Rings

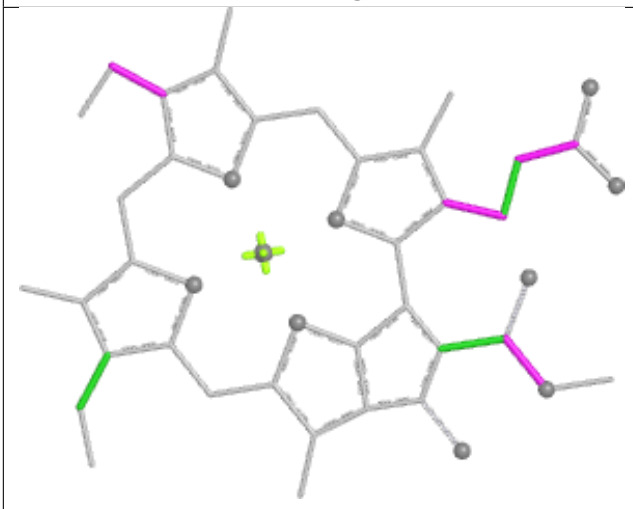
Ligand CLA j 1302



Bond lengths



Bond angles

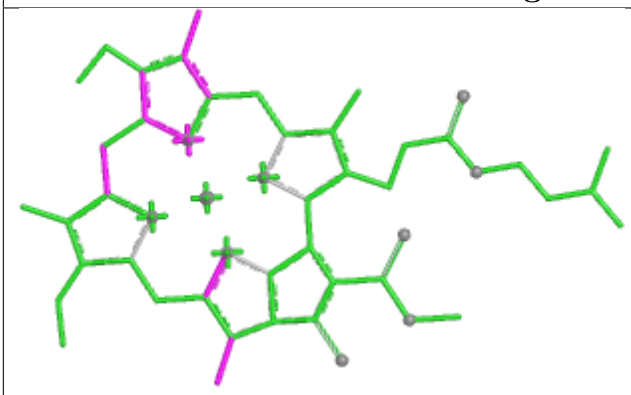


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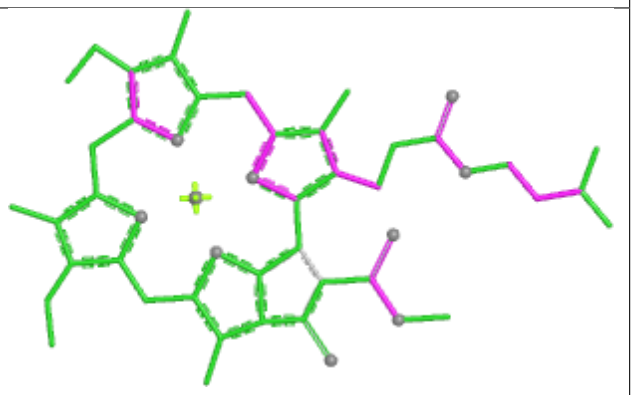


Rings

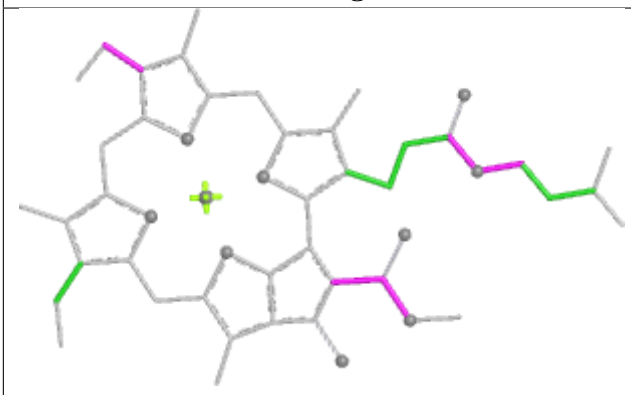
Ligand CLA Y 501



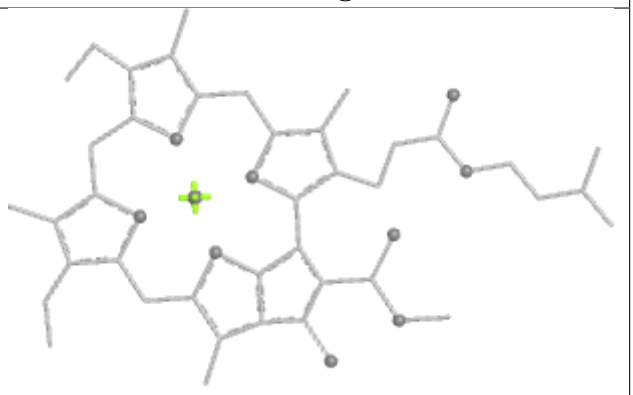
Bond lengths



Bond angles



Torsions

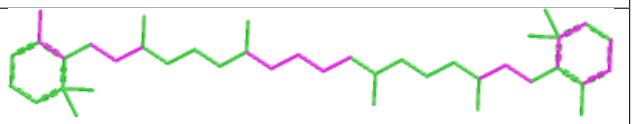


Rings

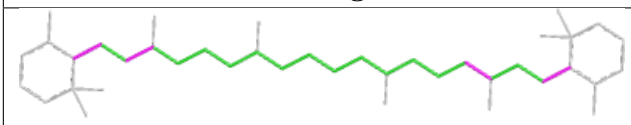
Ligand BCR M 4021



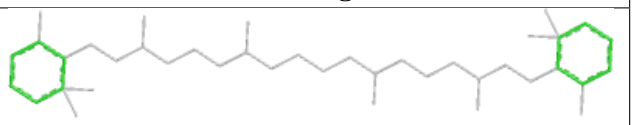
Bond lengths



Bond angles

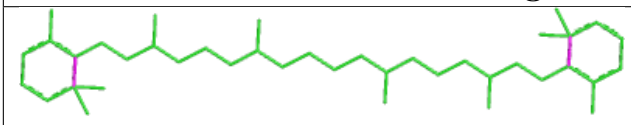


Torsions

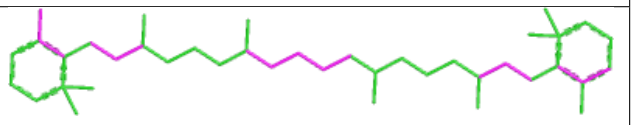


Rings

Ligand BCR Z 602



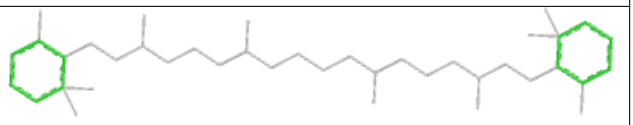
Bond lengths



Bond angles

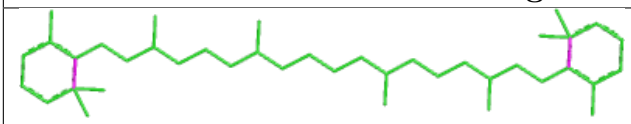


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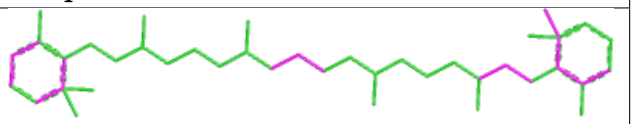


Rings

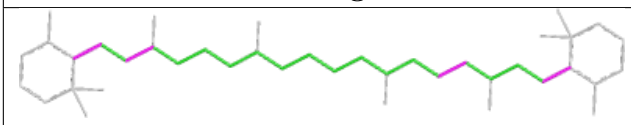
Ligand BCR q 601



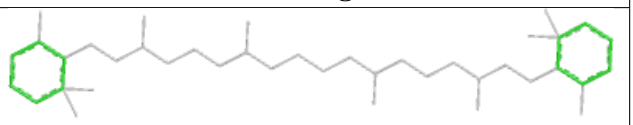
Bond lengths



Bond angles

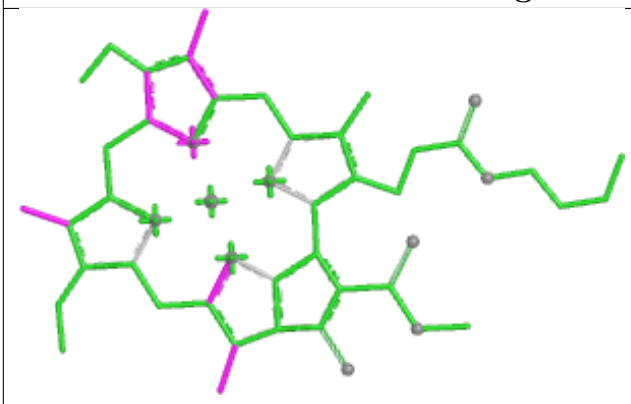


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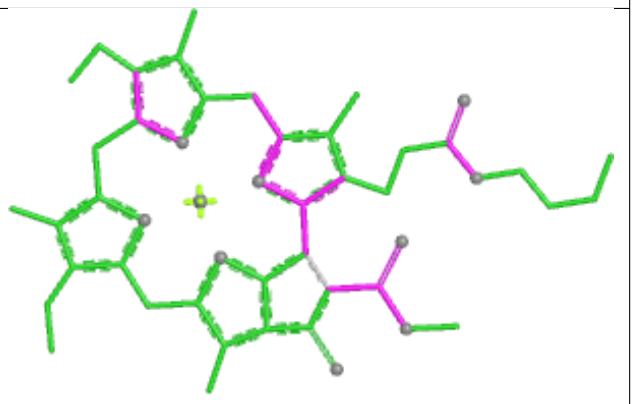


Rings

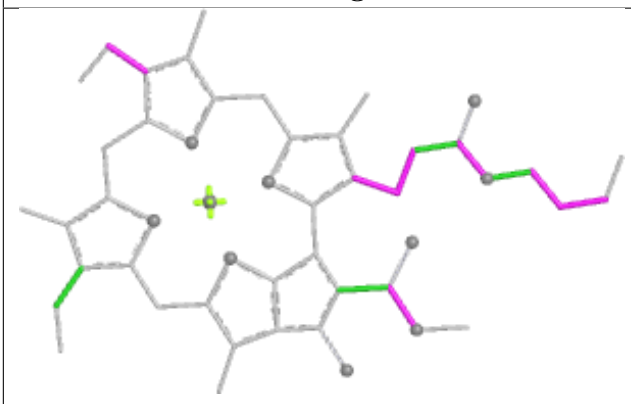
Ligand CLA A 1120



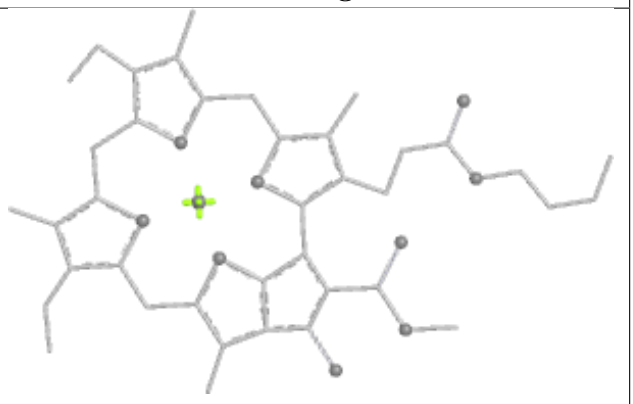
Bond lengths



Bond angles

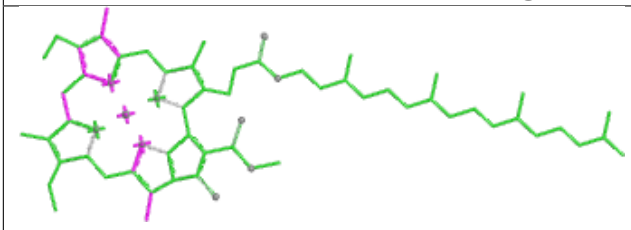


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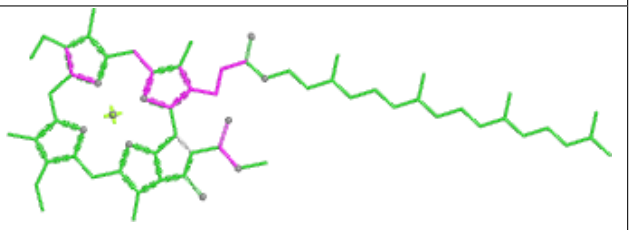


Rings

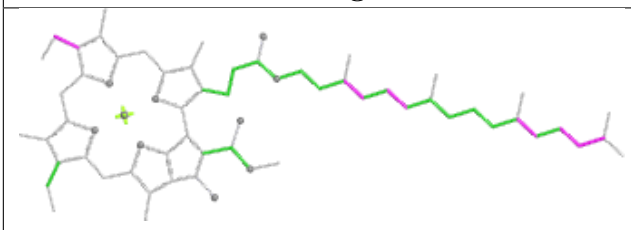
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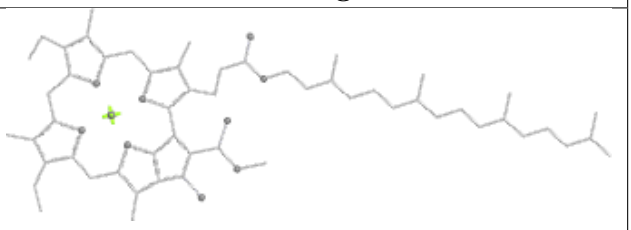
Bond lengths



Bond angles

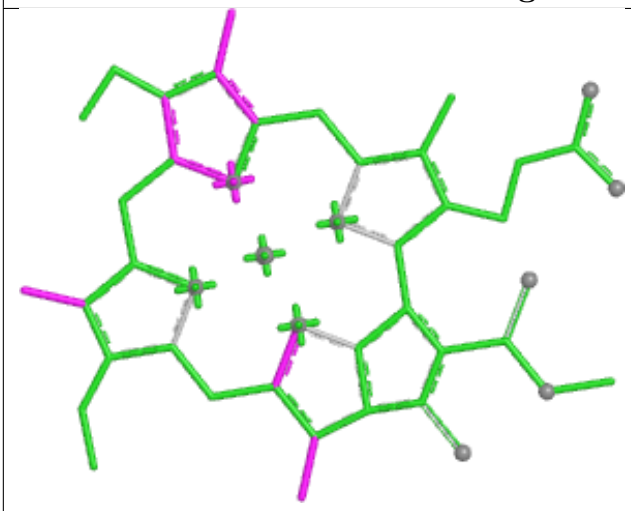


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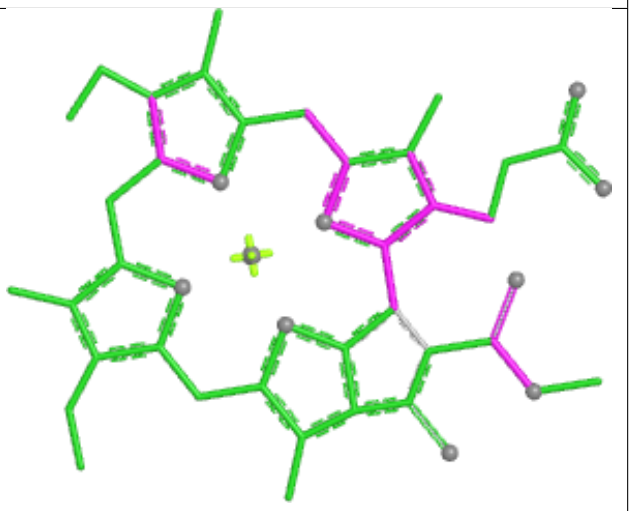


Rings

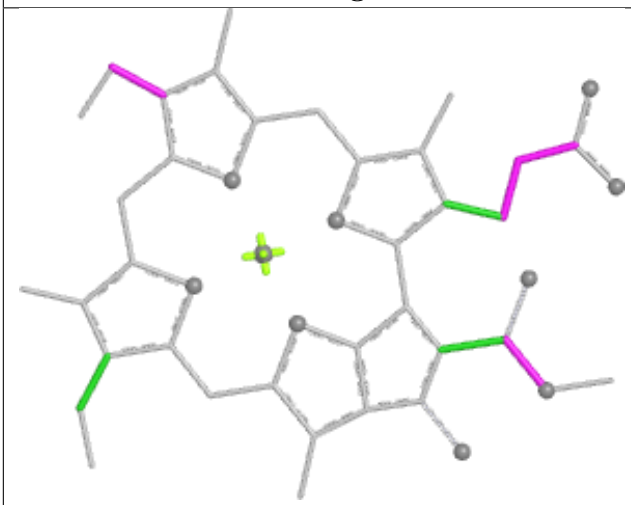
Ligand CLA b 1219



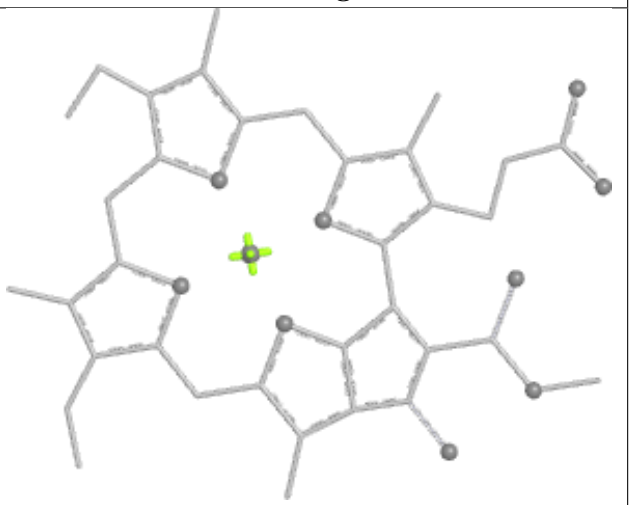
Bond lengths



Bond angles

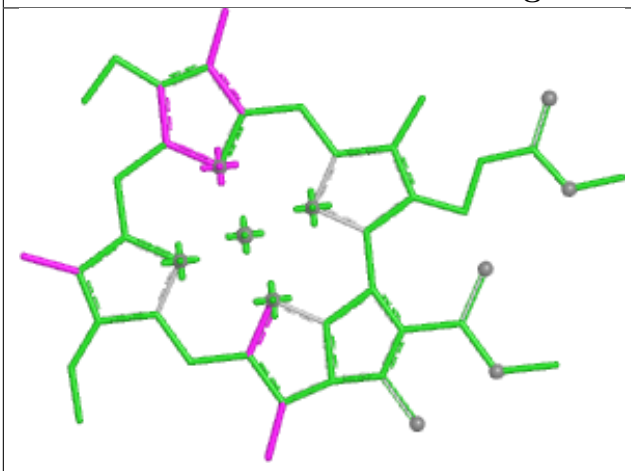


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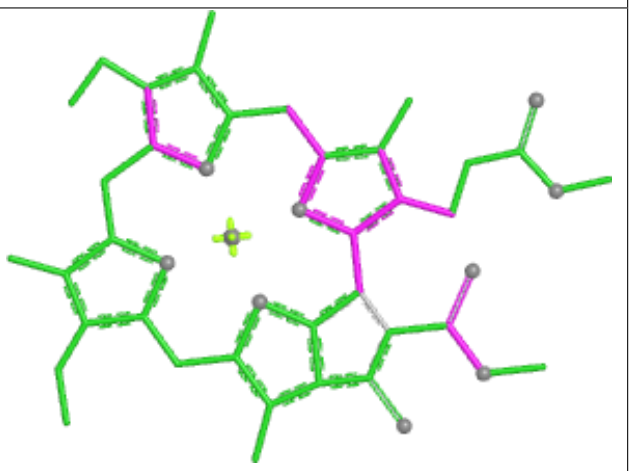


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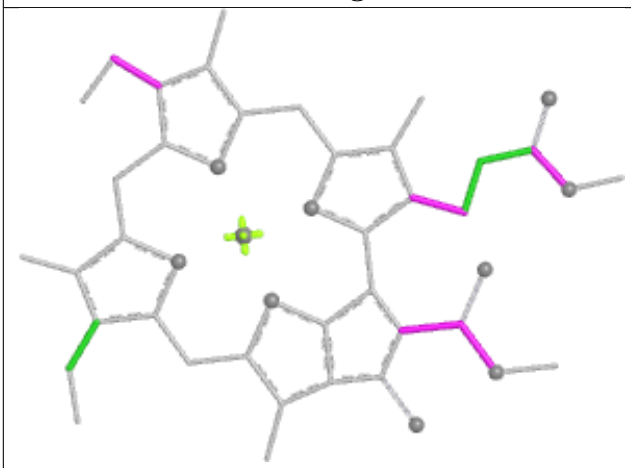
Ligand CLA X 503



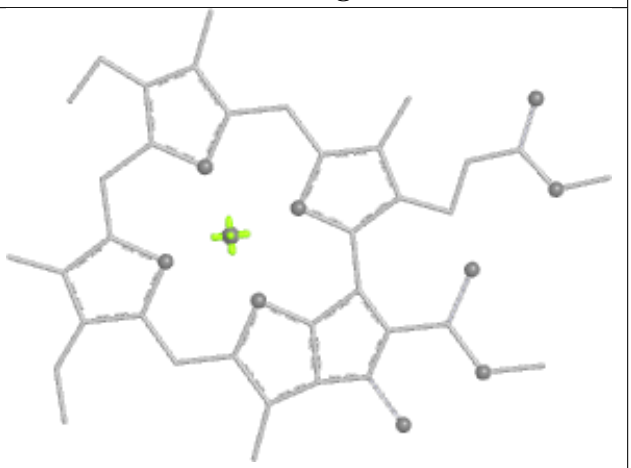
Bond lengths



Bond angles



Torsions

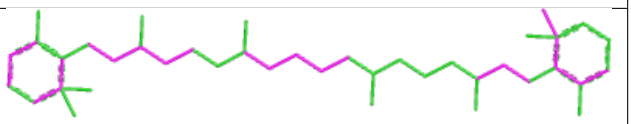


Rings

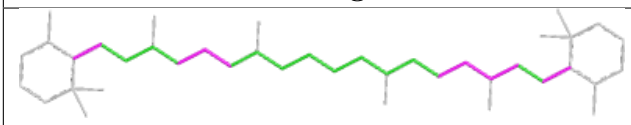
Ligand BCR Y 602



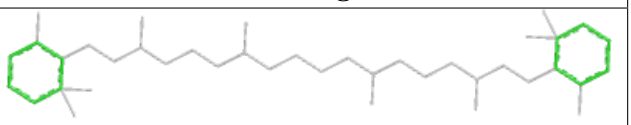
Bond lengths



Bond angles

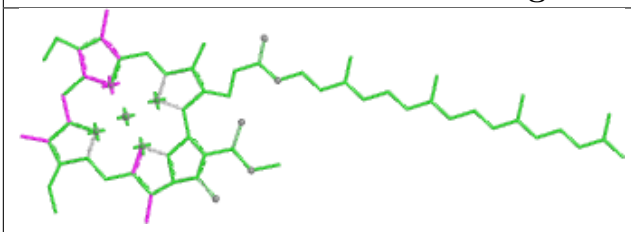


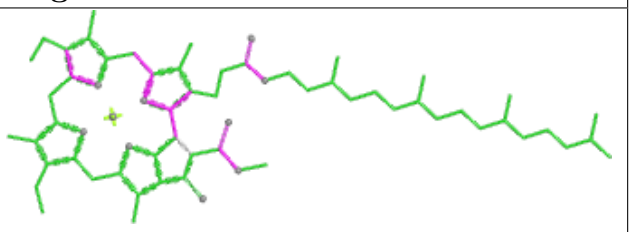
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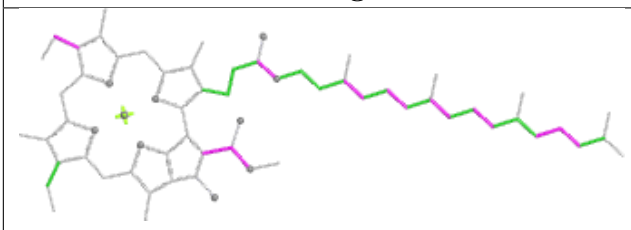


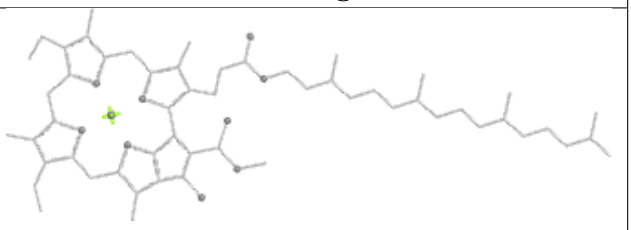
Rings

Ligand CLA g 507


Bond lengths

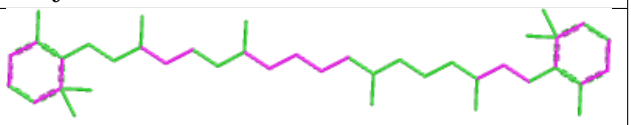

Bond angles

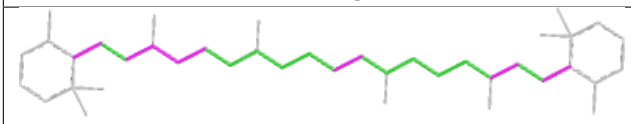

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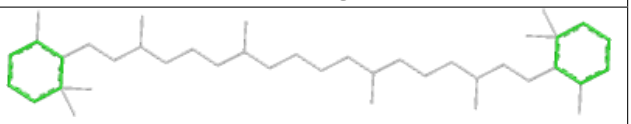

Rings

Ligand BCR y 601

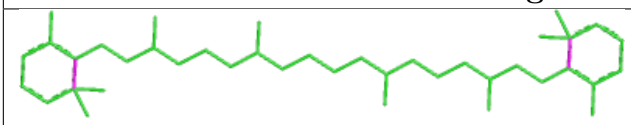

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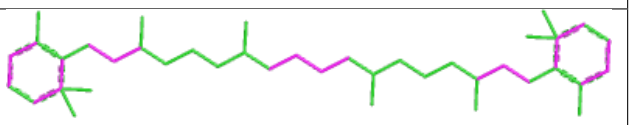

Bond angles

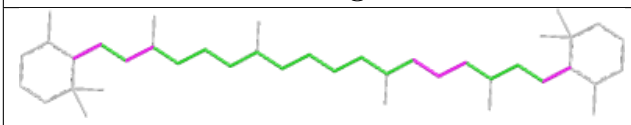

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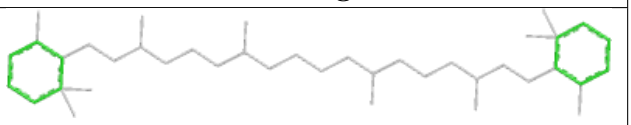

Rings

Ligand BCR o 601


Bond lengths

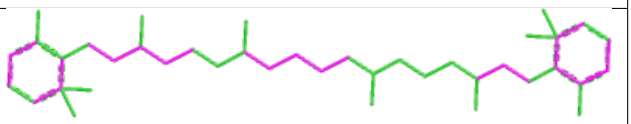

Bond angles

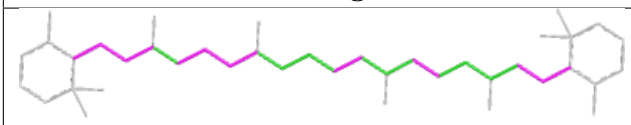

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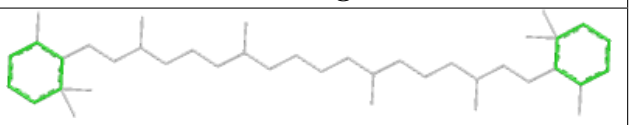

Rings

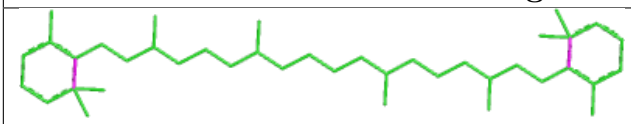
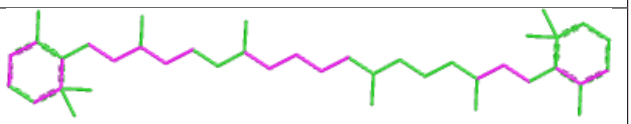
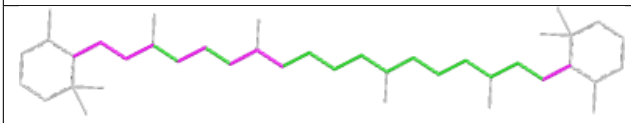
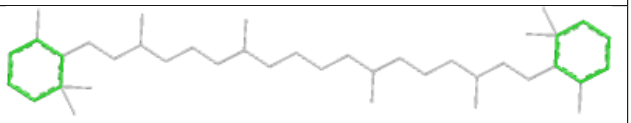
Ligand BCR o 604

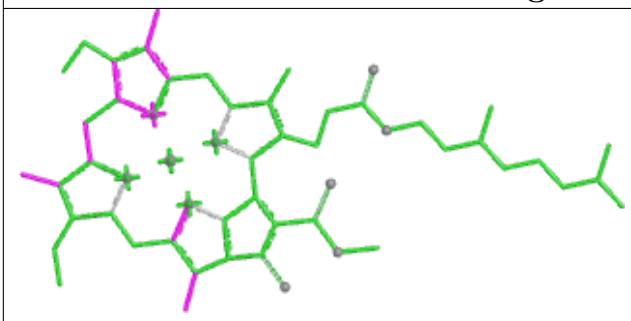
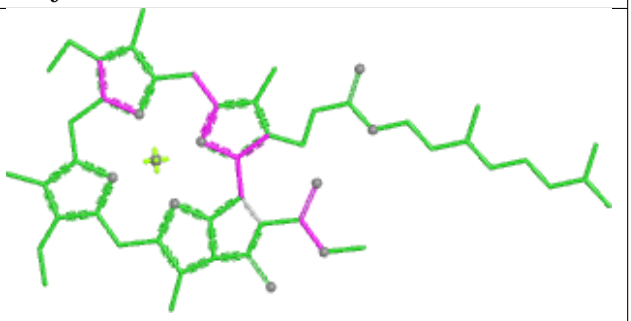
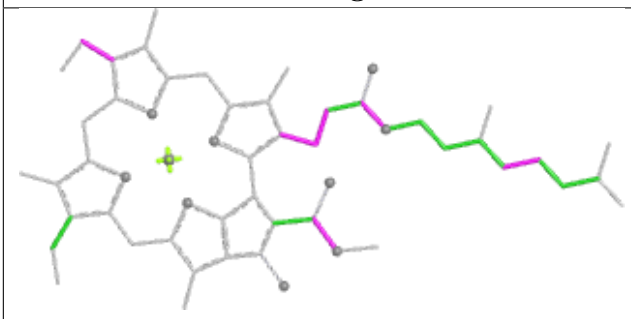
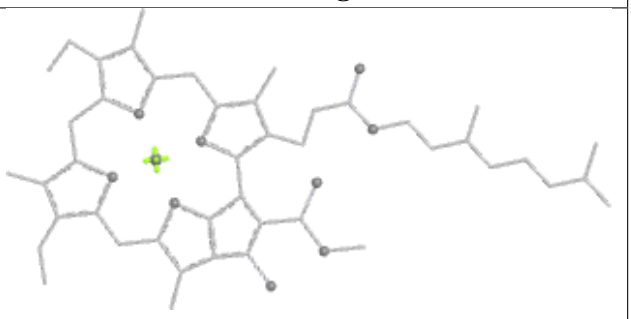

Bond lengths


Bond angles

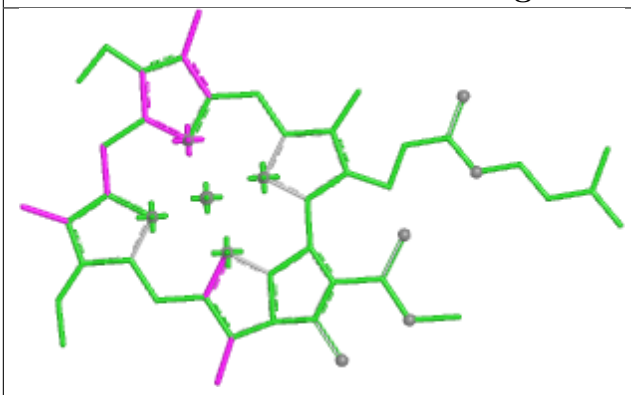

Torsions


Rings

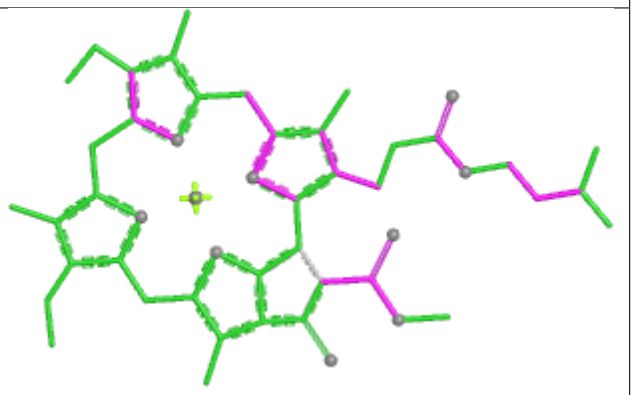
Ligand BCR x 603	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA y 508	
 Bond lengths	 Bond angles
 Torsions	 Rings

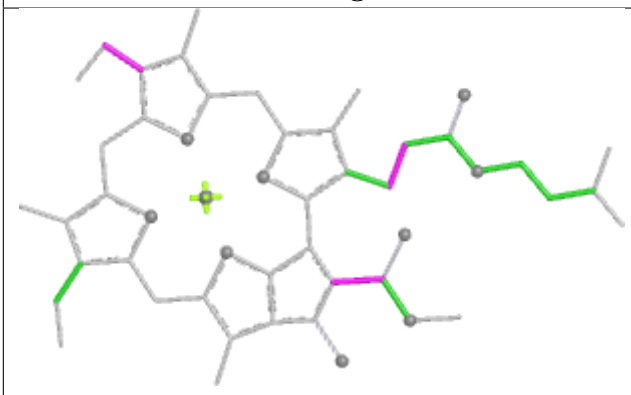
Ligand CLA H 1129



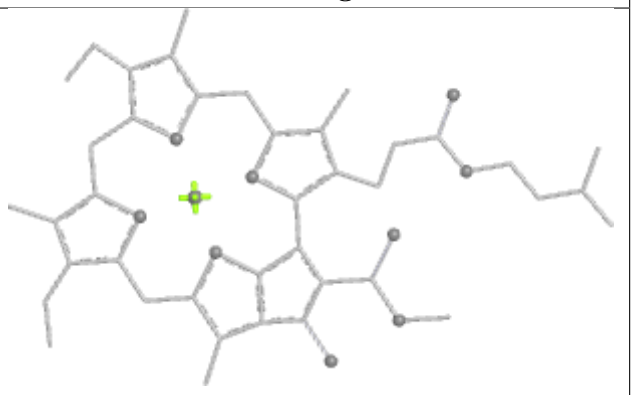
Bond lengths



Bond angles

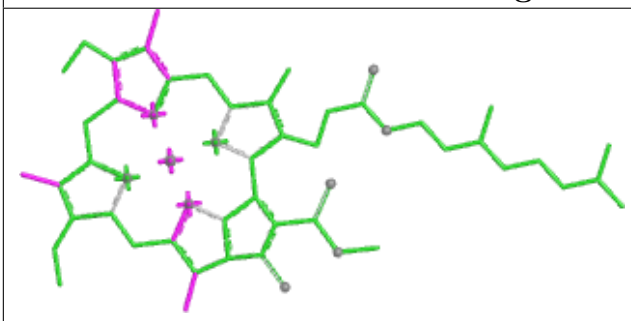


Torsions

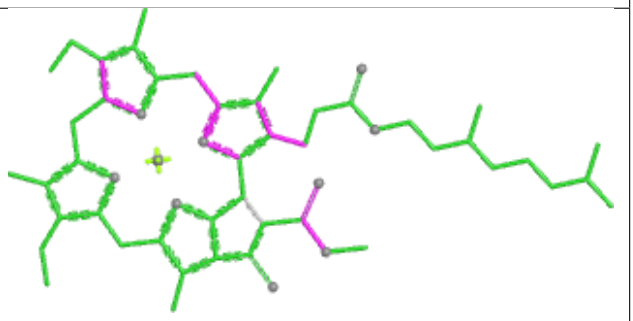


Rings

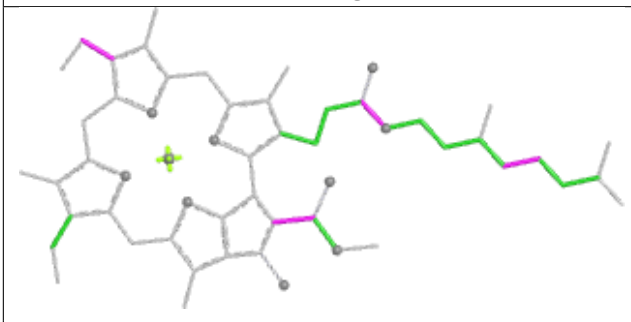
Ligand CLA A 1118



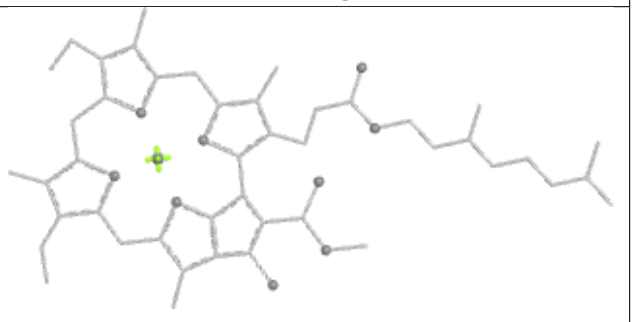
Bond lengths



Bond angles

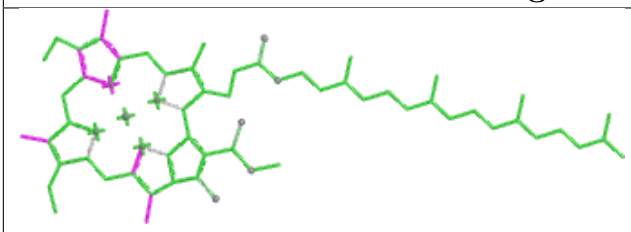


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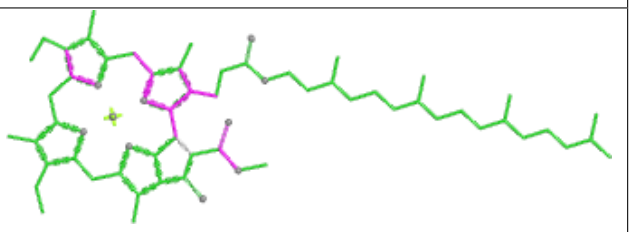


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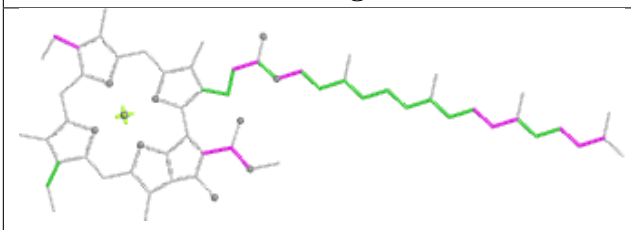
Ligand CLA o 510



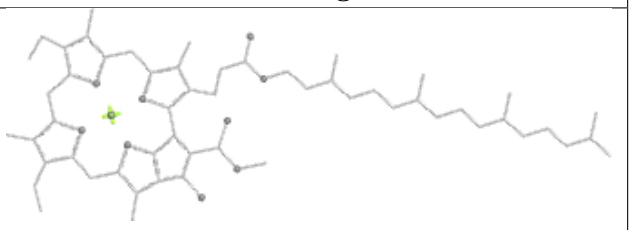
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Bond angles

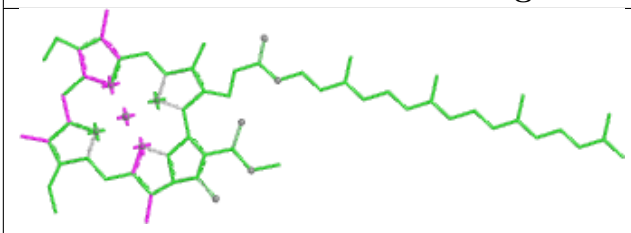


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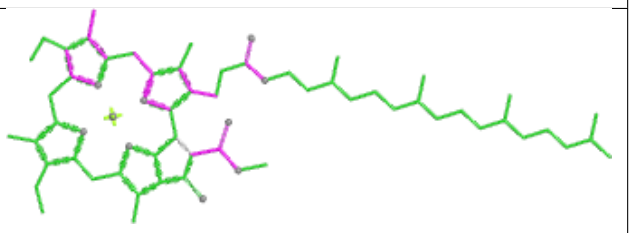


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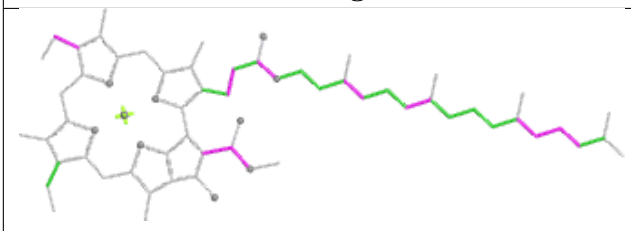
Ligand CLA A 1119



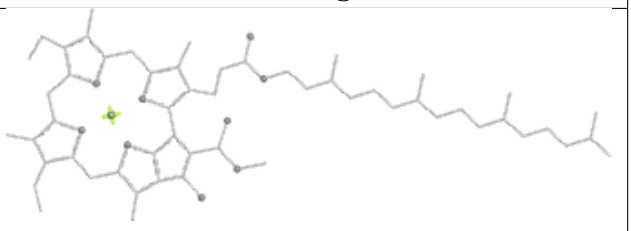
Bond lengths



Bond angles

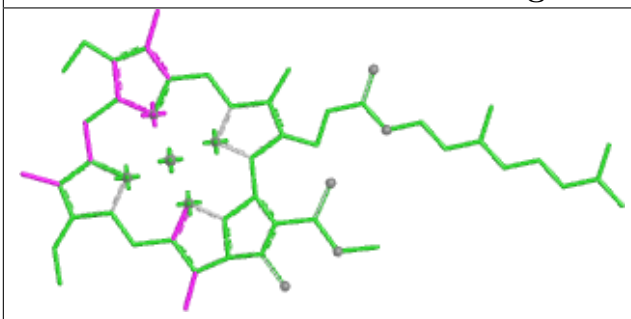


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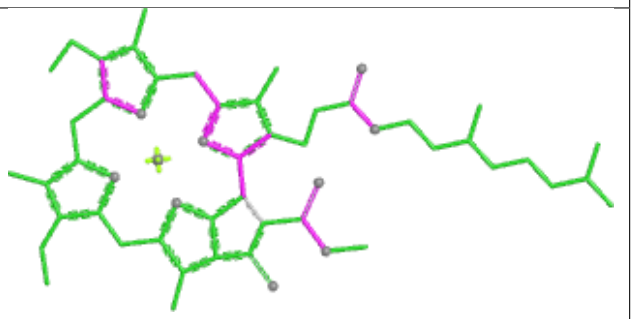


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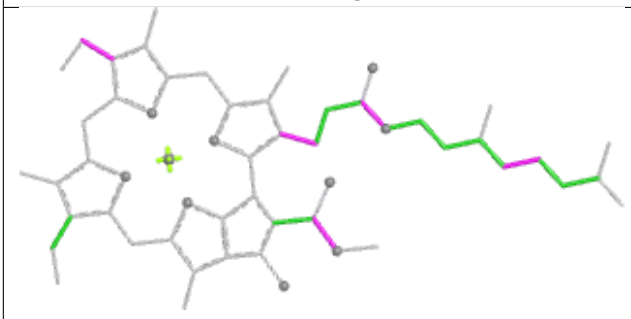
Ligand CLA v 508



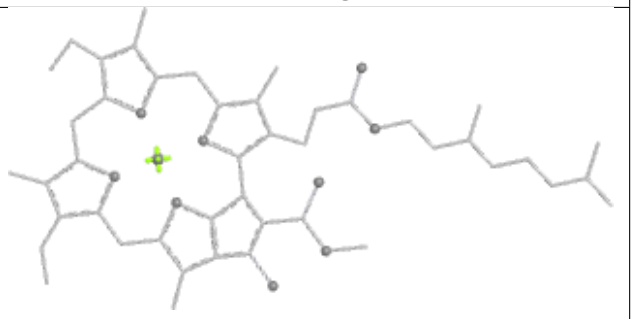
Bond lengths



Bond angles

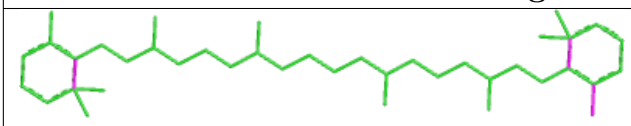


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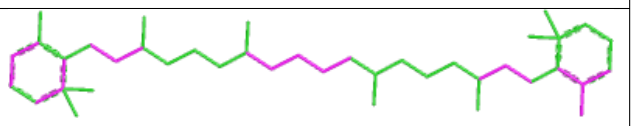


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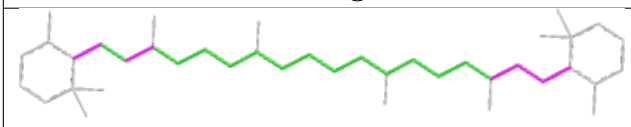
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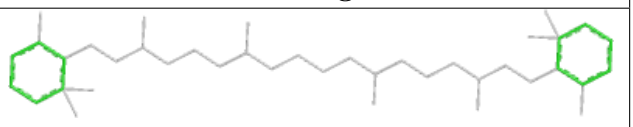
Bond lengths



Bond angles

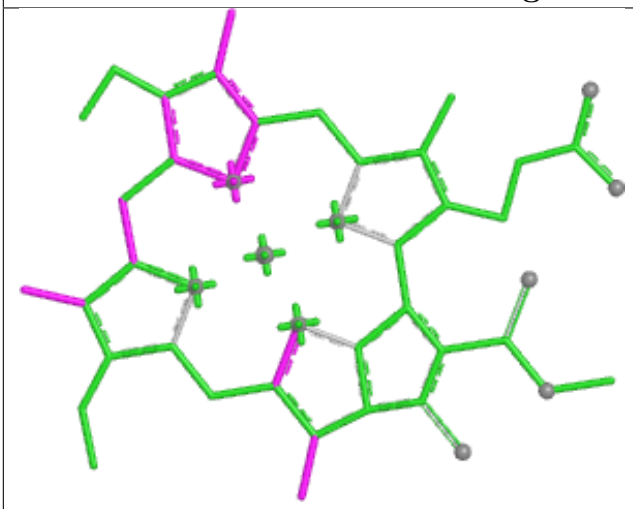


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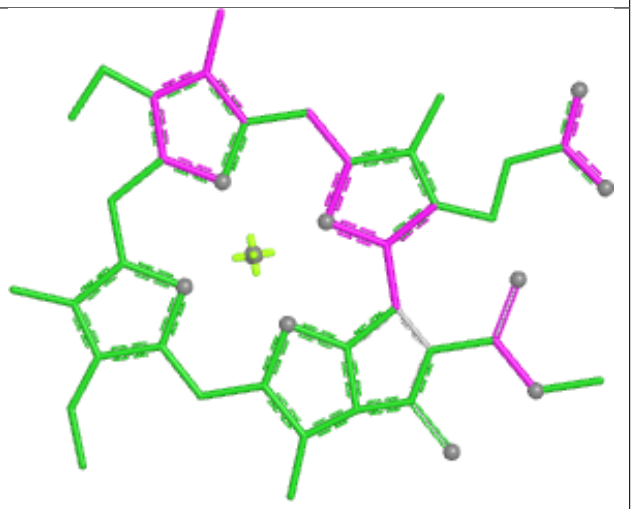


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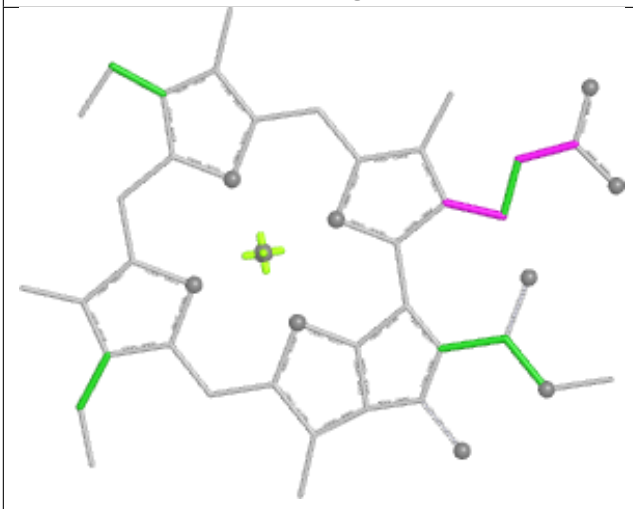
Ligand CLA f 1301



Bond lengths



Bond angles

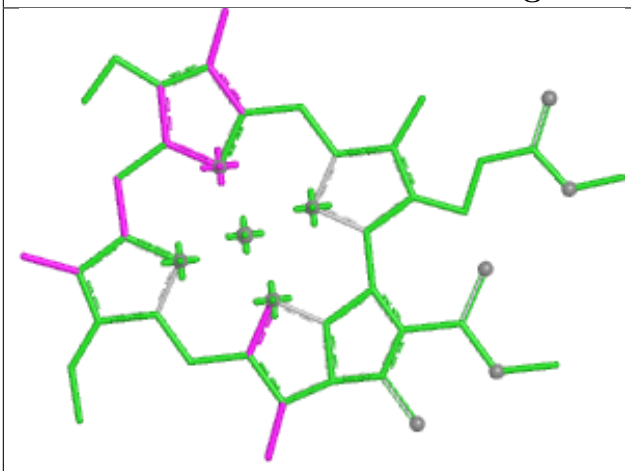


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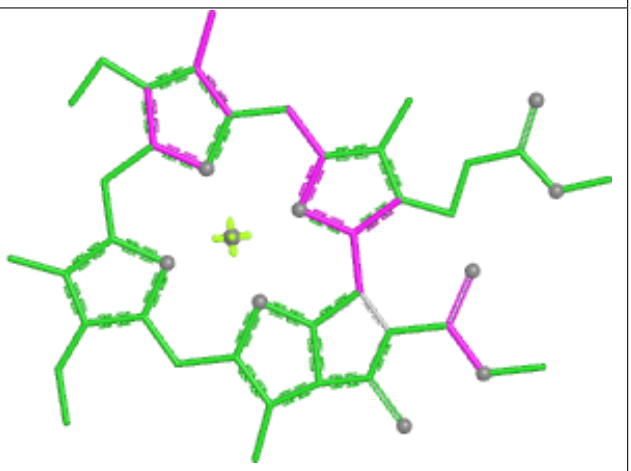


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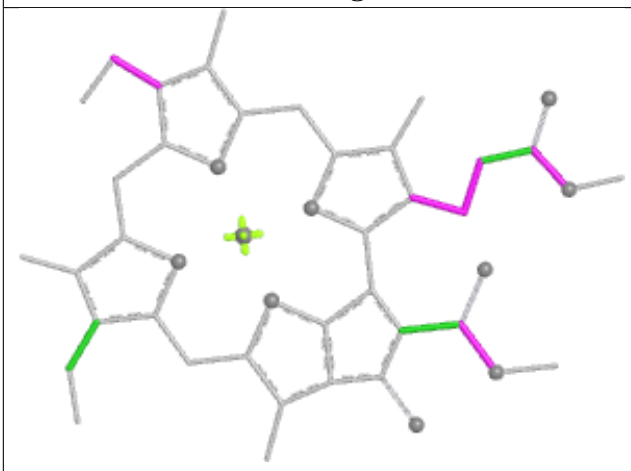
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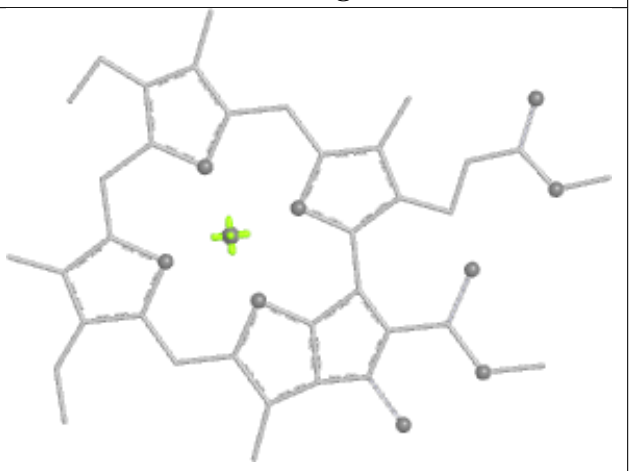
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Bond angles

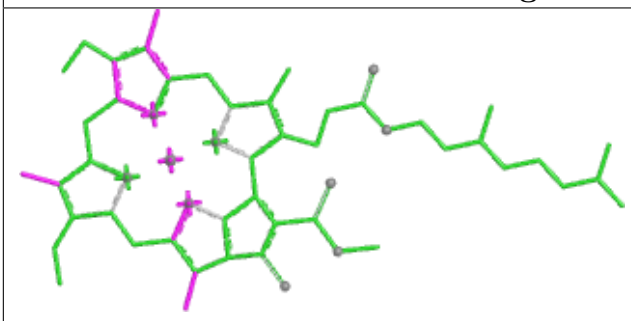


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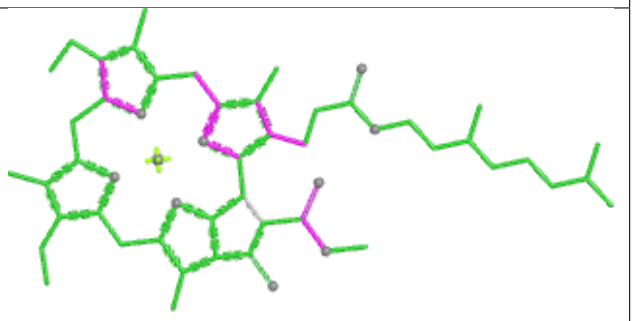


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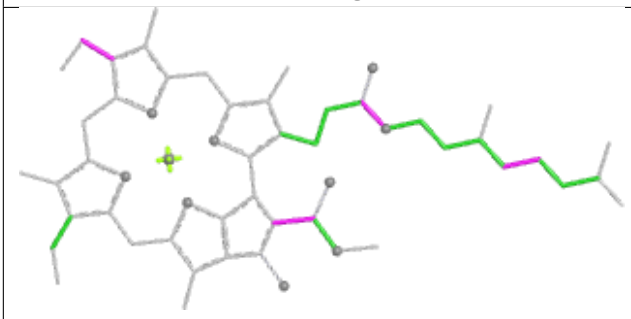
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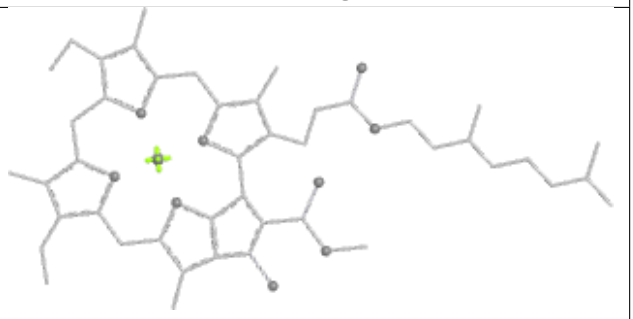
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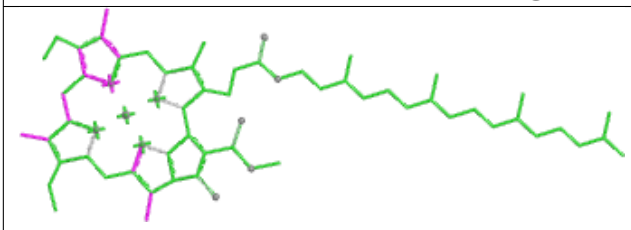


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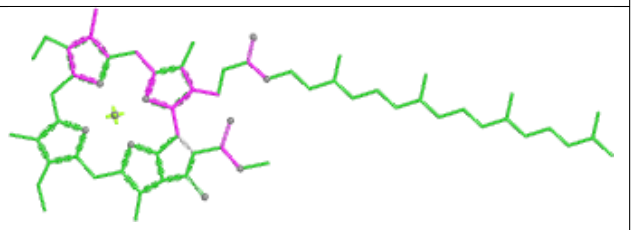


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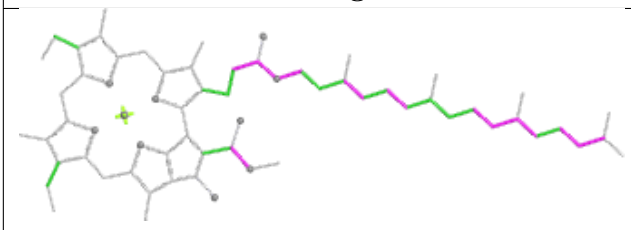
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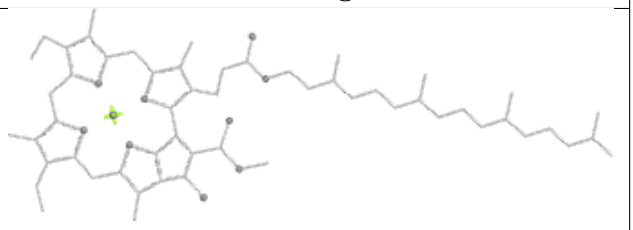
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Bond angles

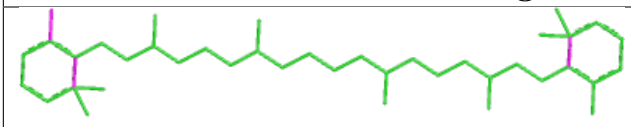


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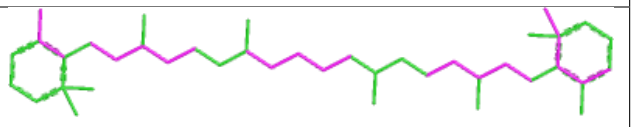


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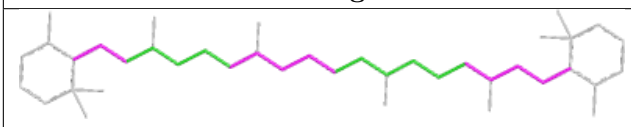
Ligand BCR b 4010



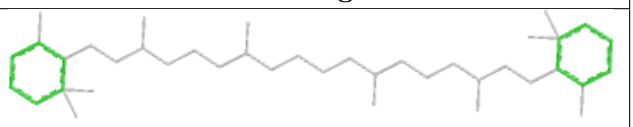
Bond lengths



Bond angles

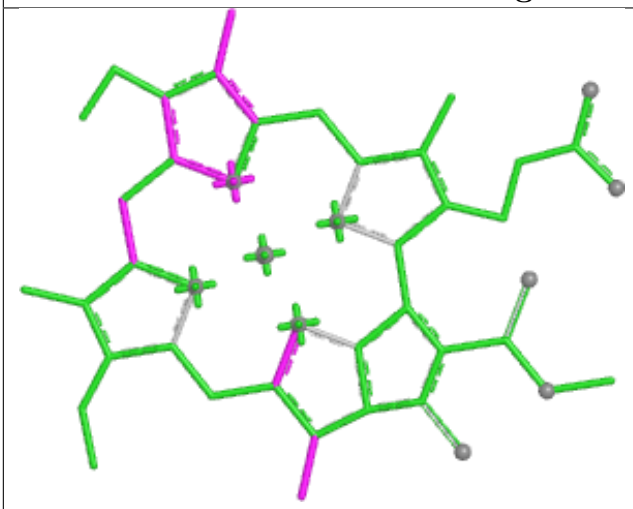


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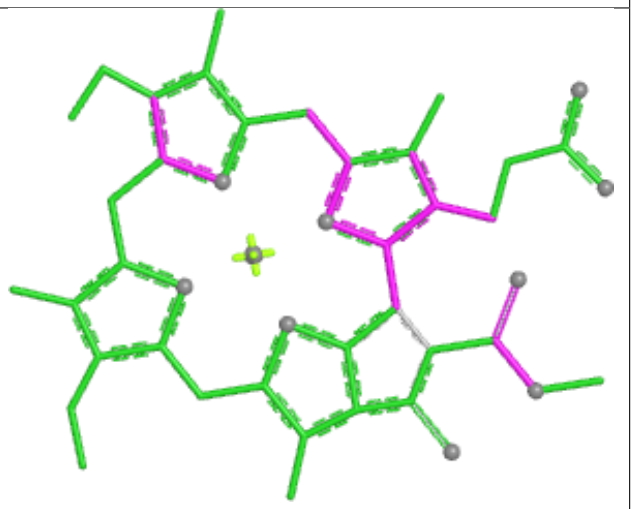


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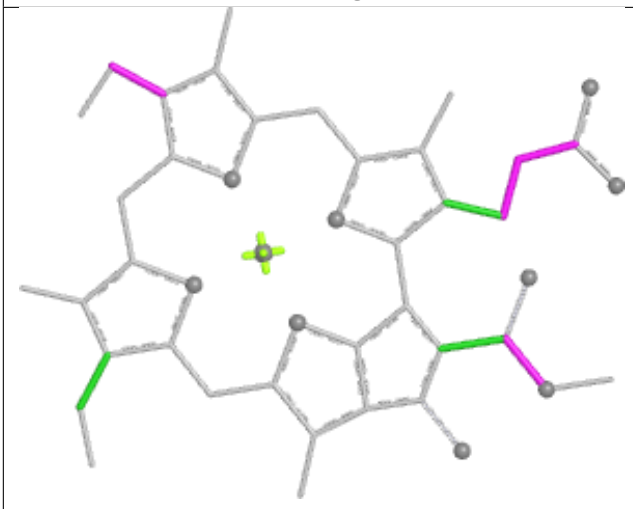
Ligand CLA B 1219



Bond lengths



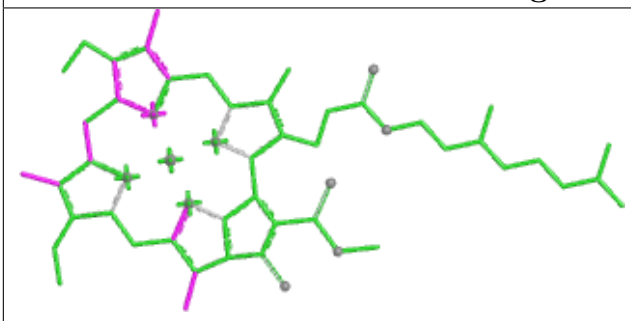
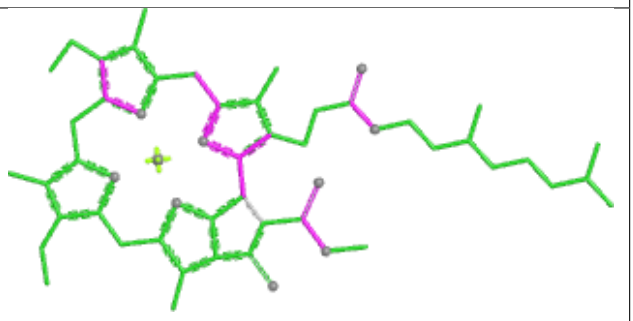
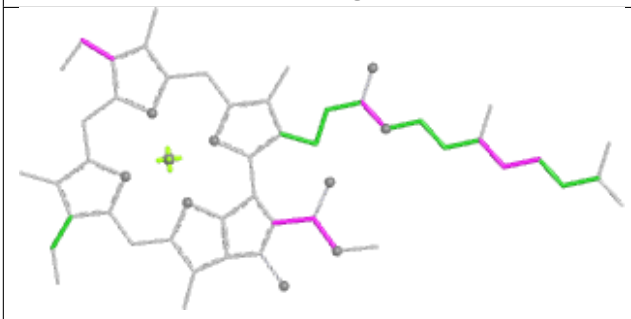
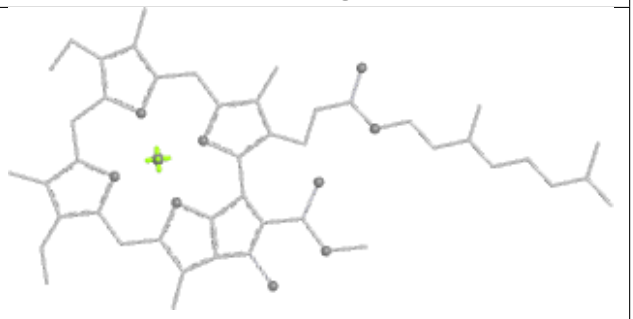
Bond angles

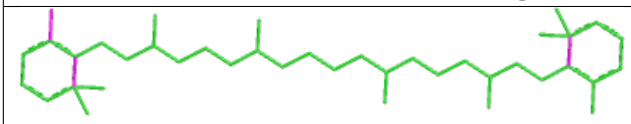
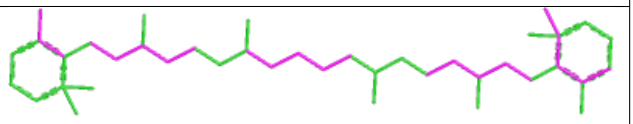
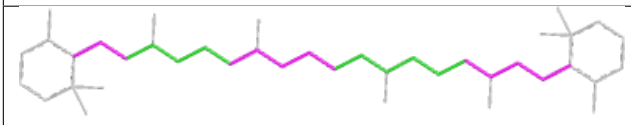
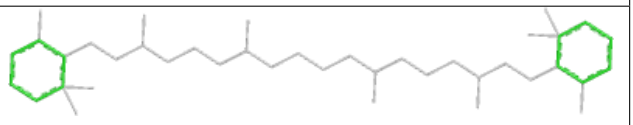


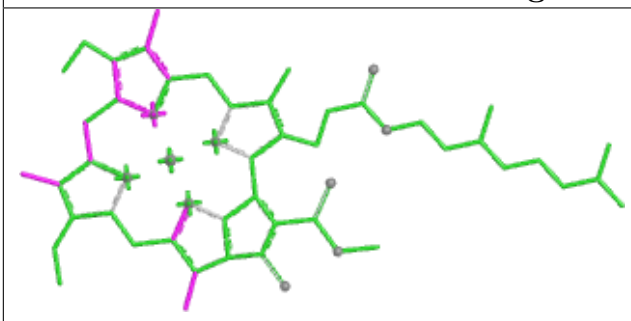
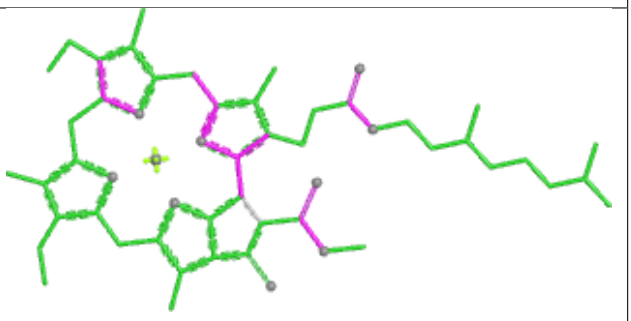
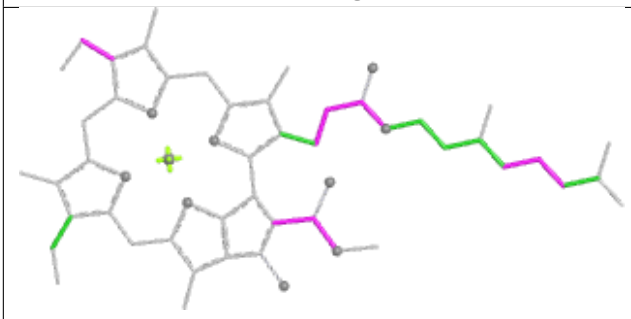
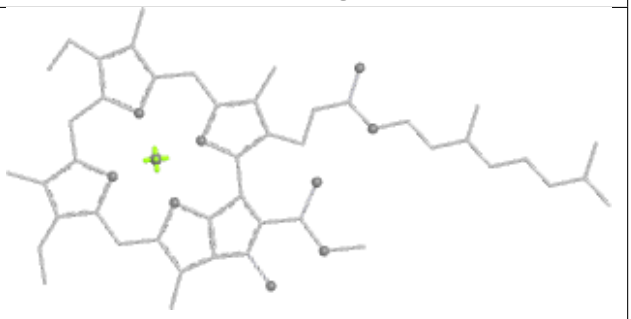
Torsions

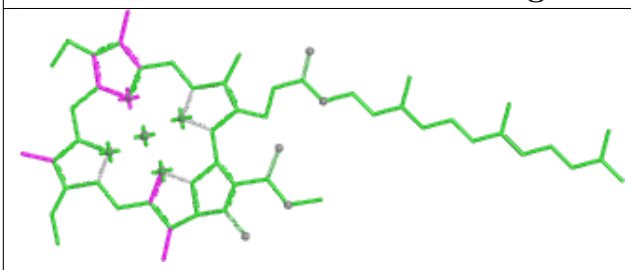
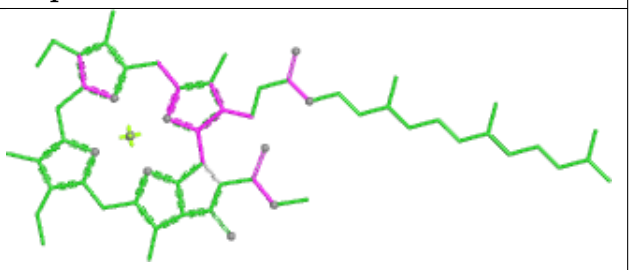
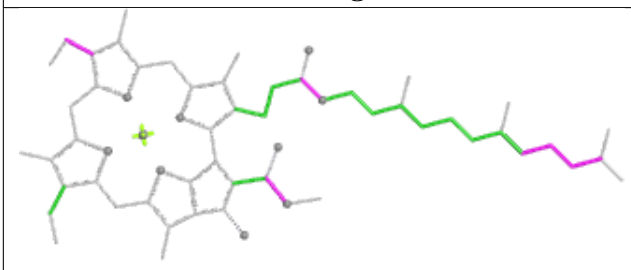
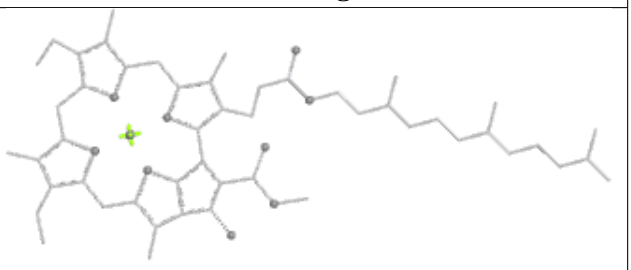


Rings

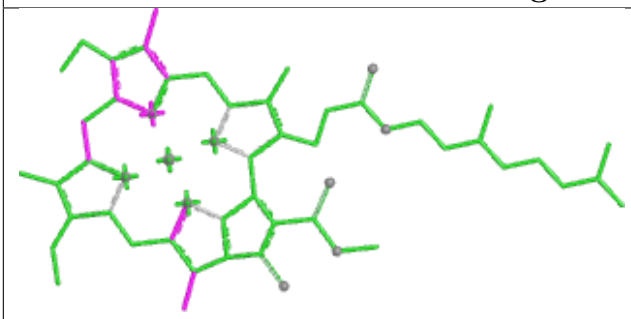
Ligand CLA r 510	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand BCR B 4010	
	
Bond lengths	Bond angles
	
Torsions	Rings

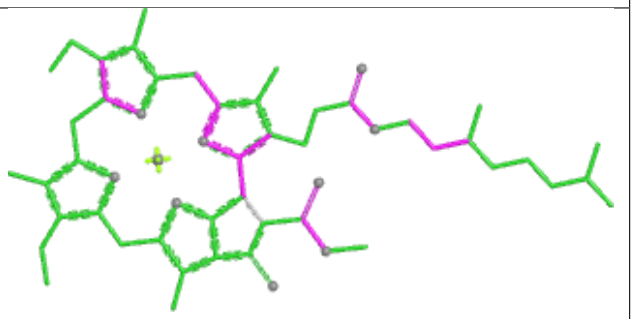
Ligand CLA x 517	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA p 506	
	
Bond lengths	Bond angles
	
Torsions	Rings

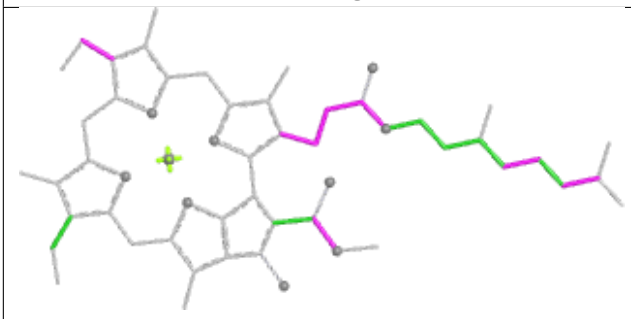
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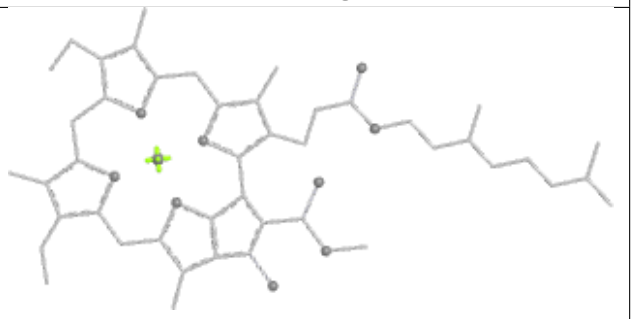
Bond lengths



Bond angles

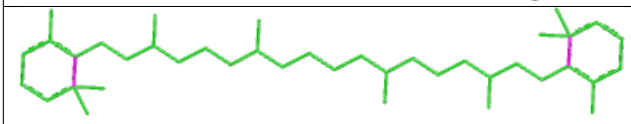


Torsions

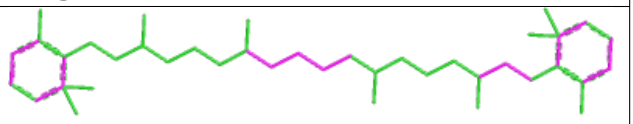


Rings

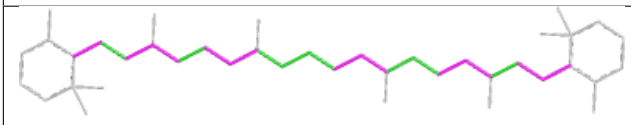
Ligand BCR g 601



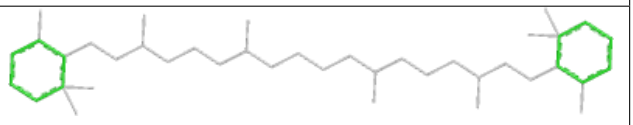
Bond lengths



Bond angles

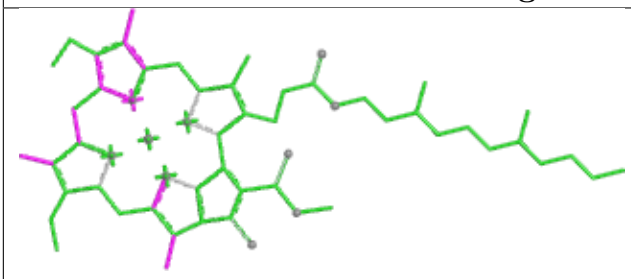


Torsions

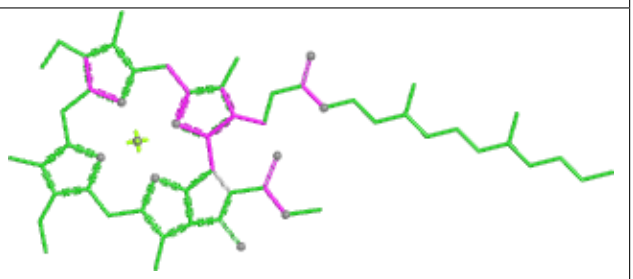


Rings

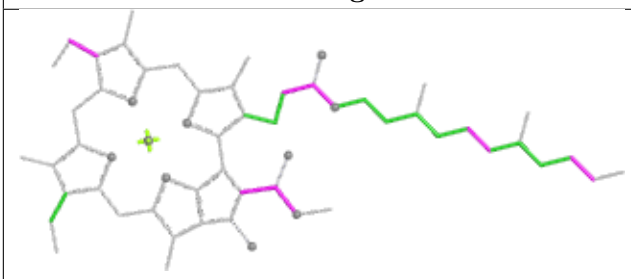
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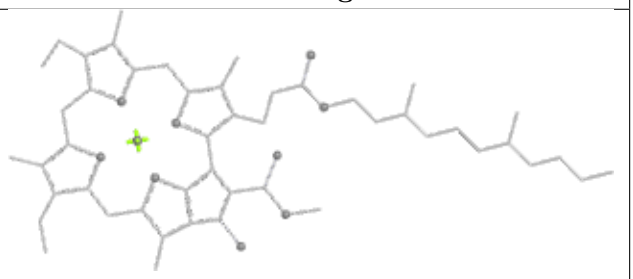
Bond lengths



Bond angles

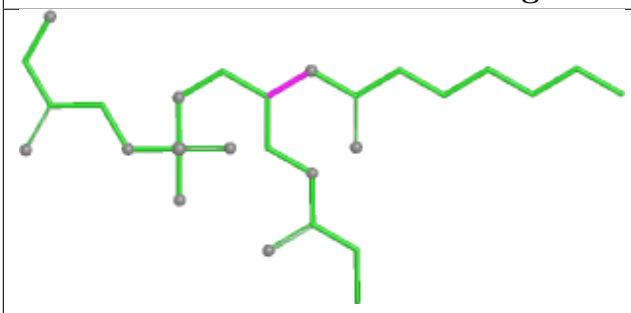


Torsions

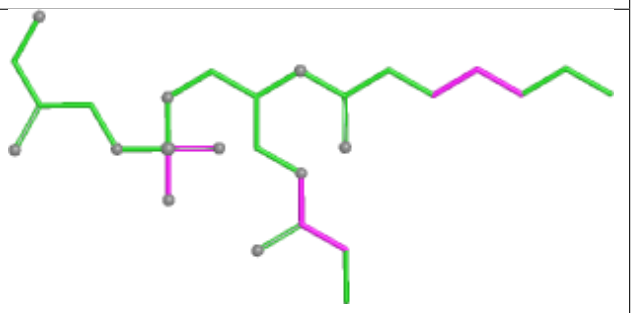


Rings

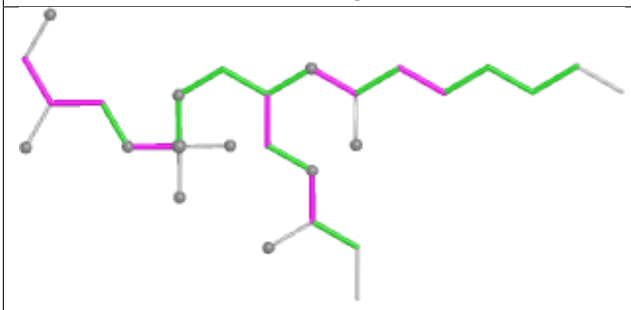
Ligand LHG H 851



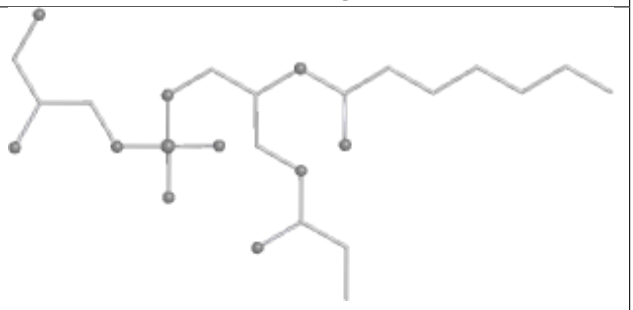
Bond lengths



Bond angles



Torsions

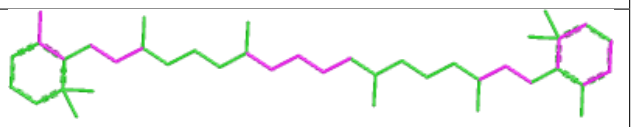


Rings

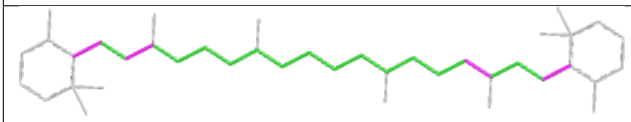
Ligand BCR V 4021



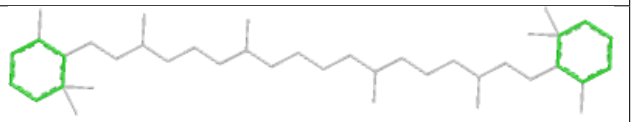
Bond lengths



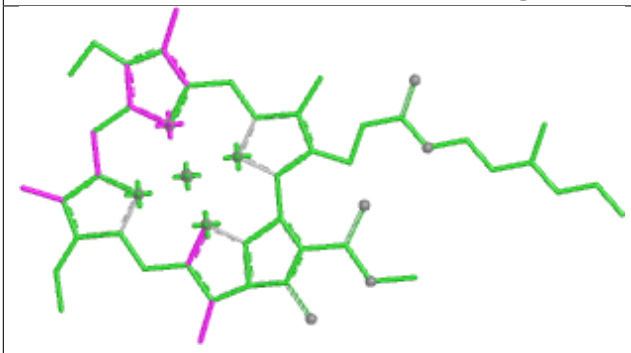
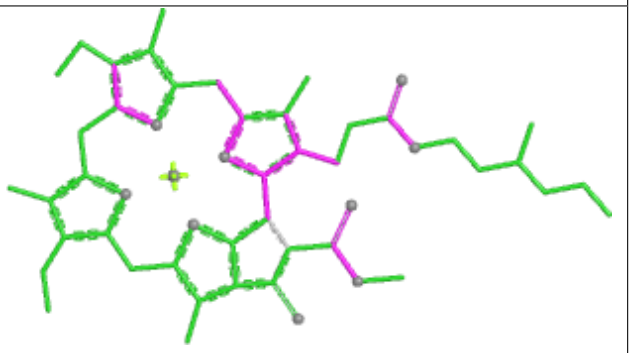
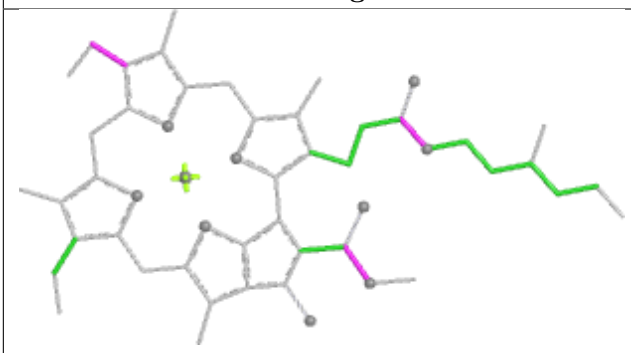
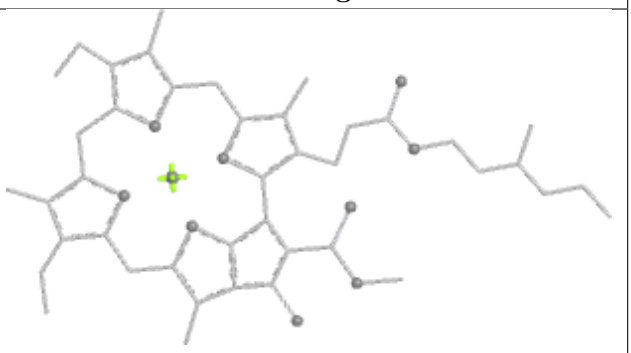
Bond angles

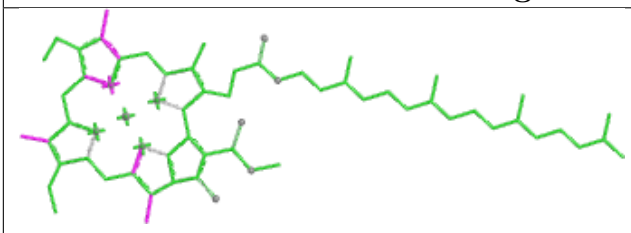
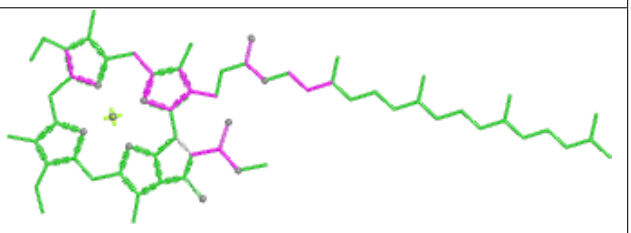
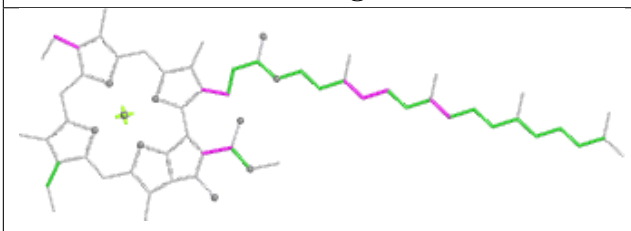
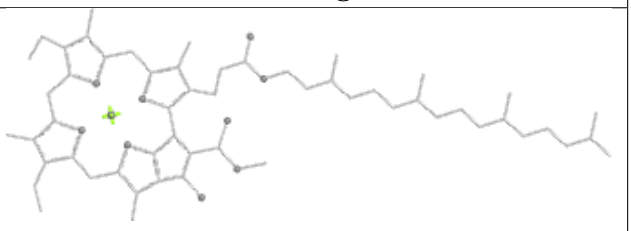


Torsions

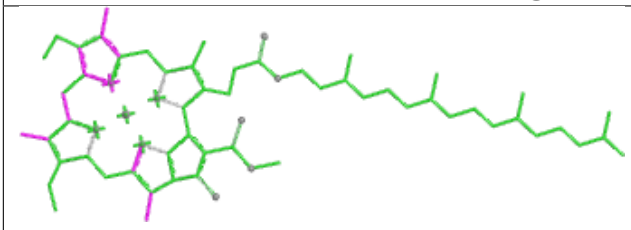


Rings

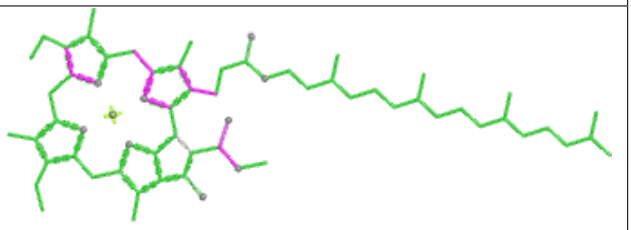
Ligand CLA A 1801	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA G 1205	
	
Bond lengths	Bond angles
	
Torsions	Rings

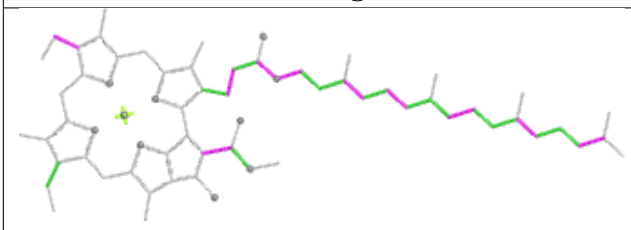
Ligand CLA x 515



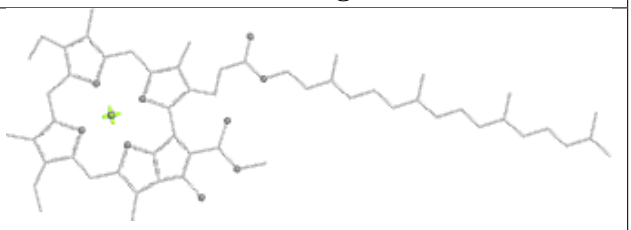
Bond lengths



Bond angles

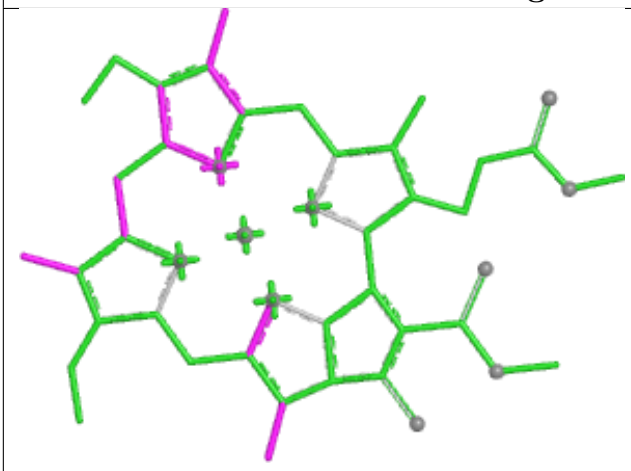


Torsions

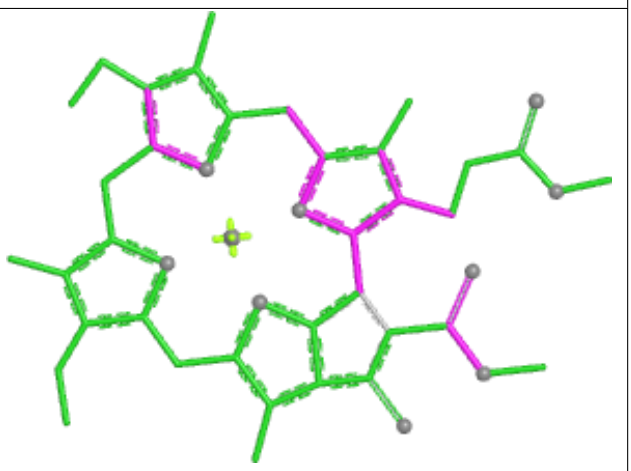


Rings

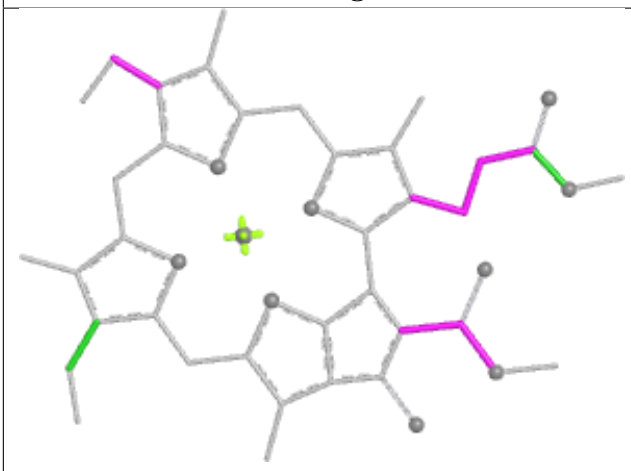
Ligand CLA x 505



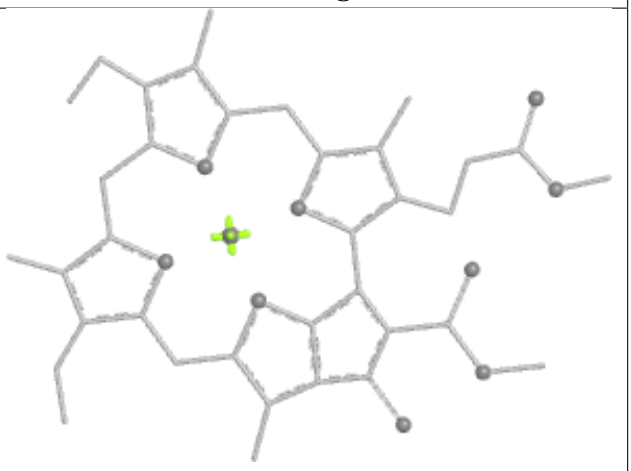
Bond lengths



Bond angles

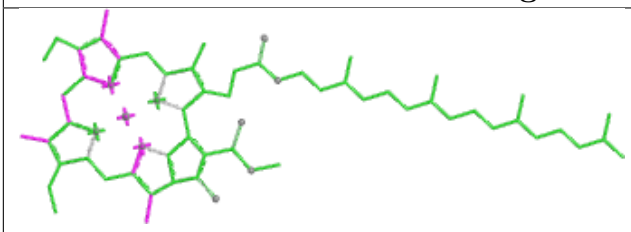


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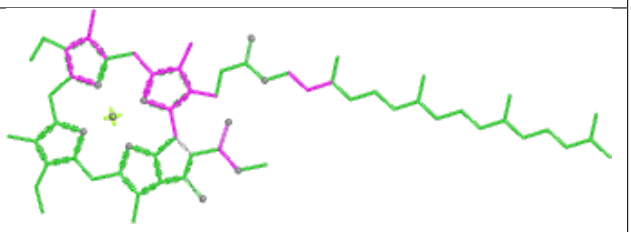


Rings

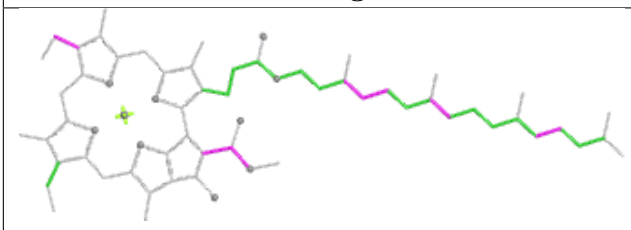
Ligand CLA a 1131



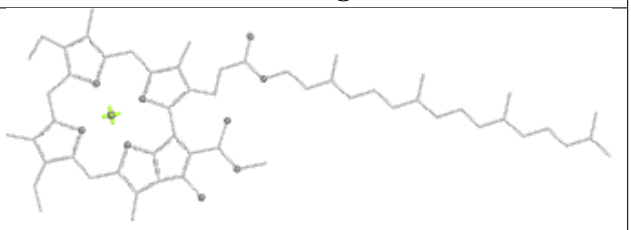
Bond lengths



Bond angles

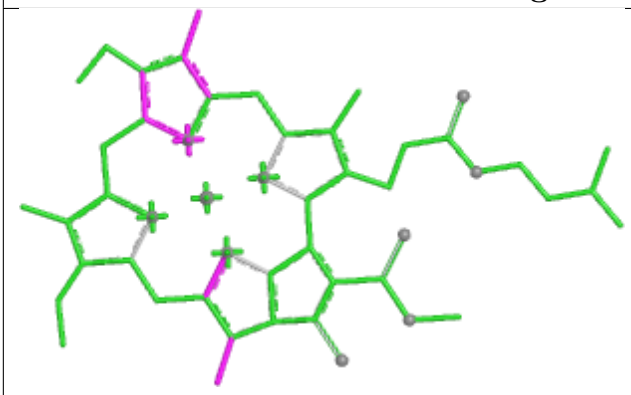


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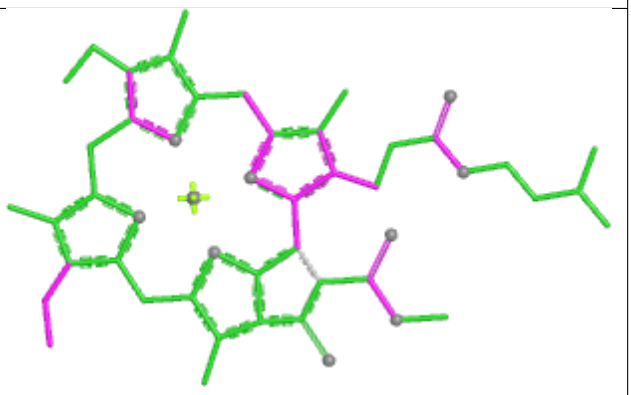


Rings

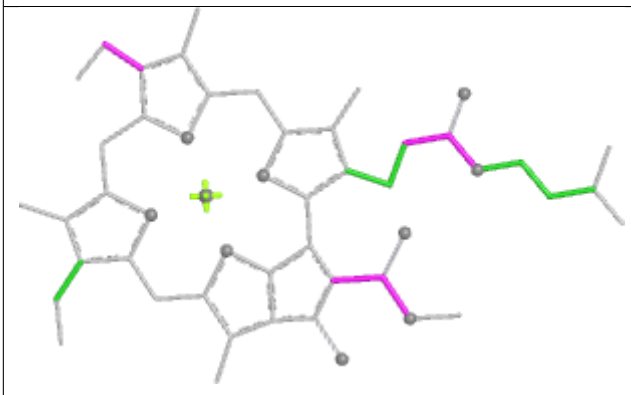
Ligand CLA t 502



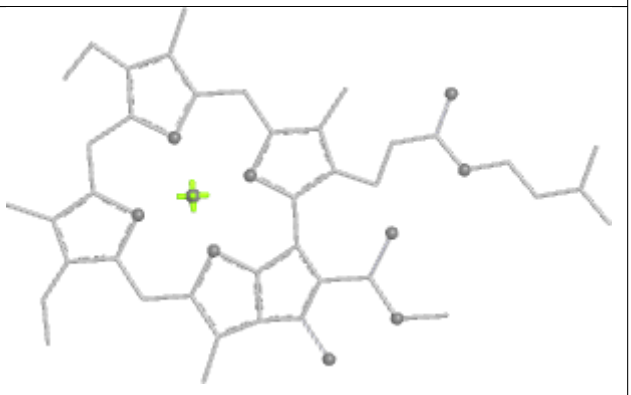
Bond lengths



Bond angles

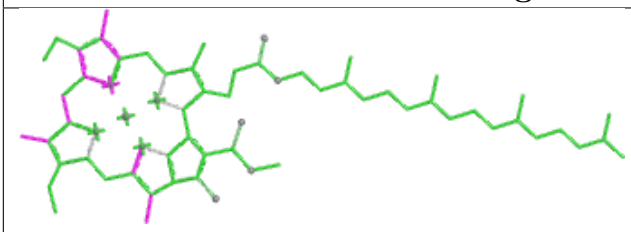


Torsions

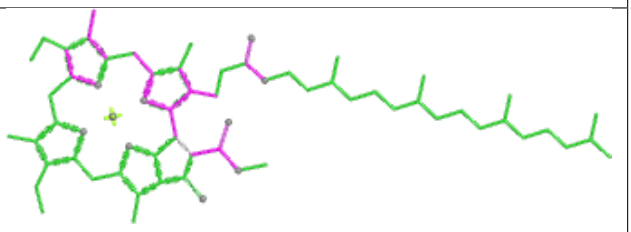


Rings

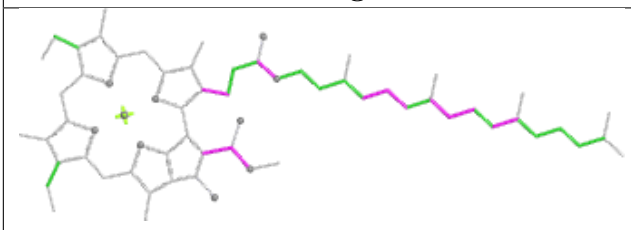
Ligand CLA A 1101



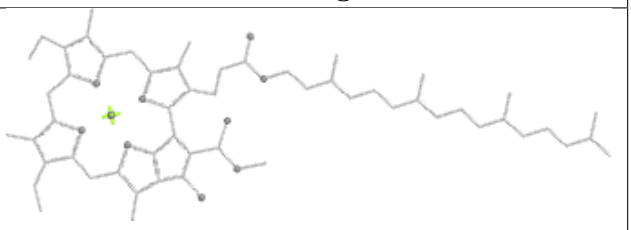
Bond lengths



Bond angles

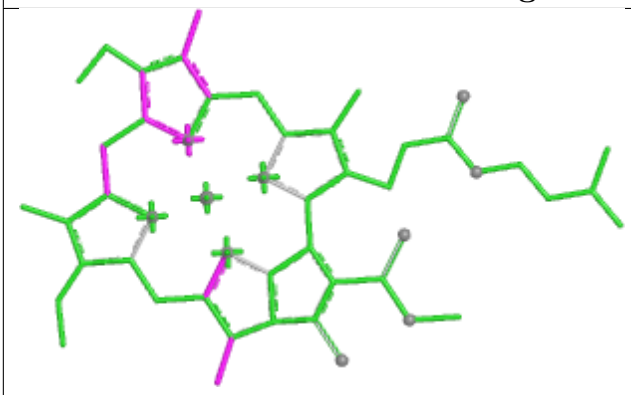


Torsions

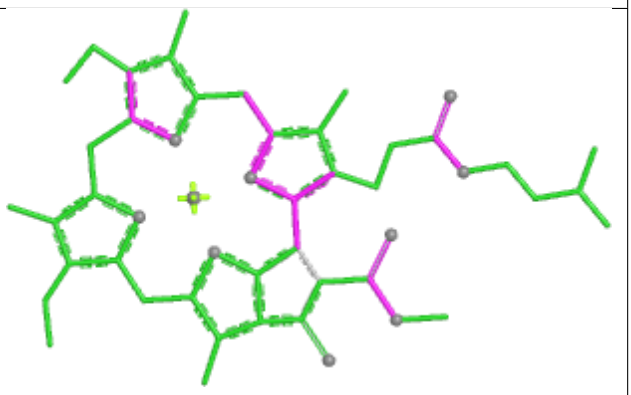


Rings

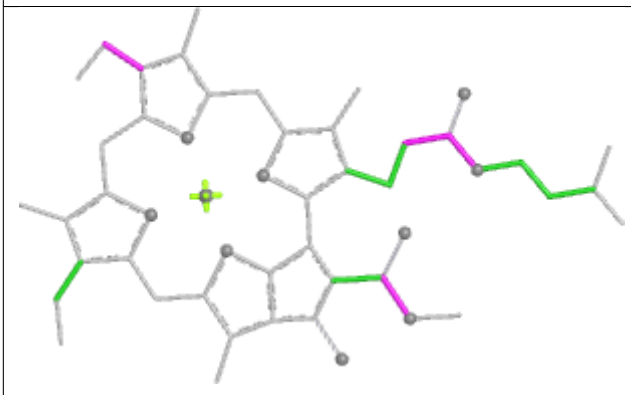
Ligand CLA W 502



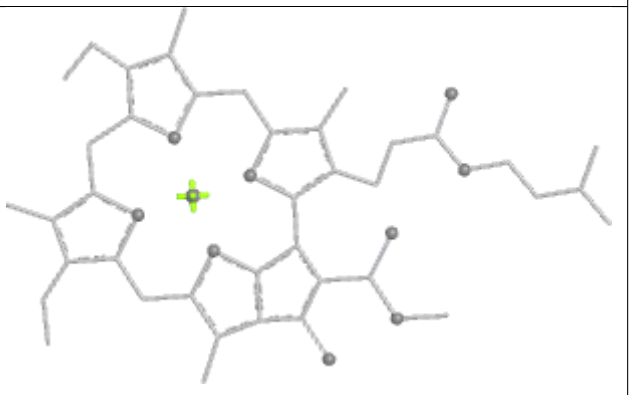
Bond lengths



Bond angles

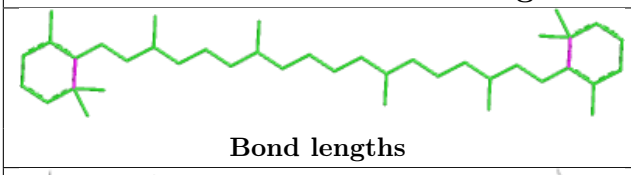


Torsions

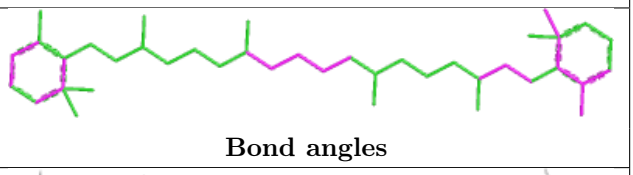


Rings

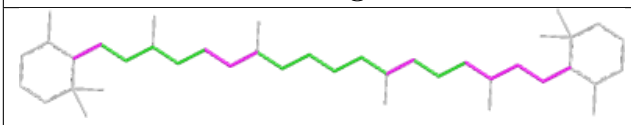
Ligand BCR b 4009



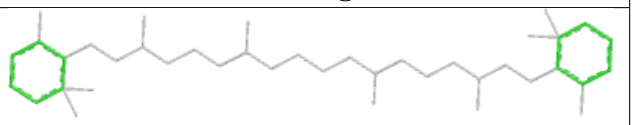
Bond lengths



Bond angles

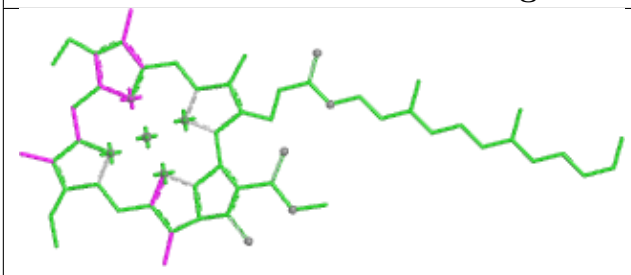


Torsions

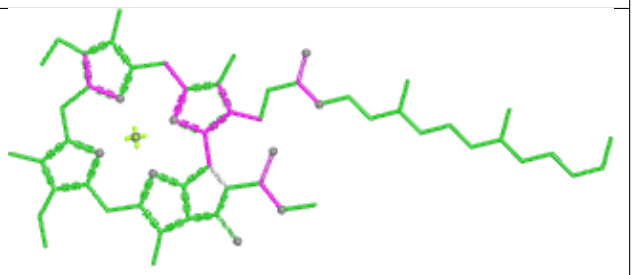


Rings

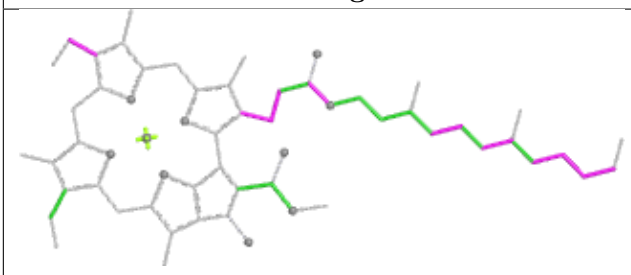
Ligand CLA a 1122



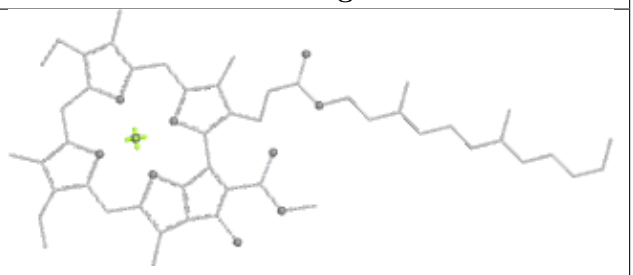
Bond lengths



Bond angles

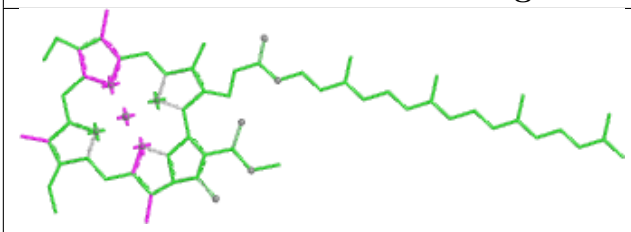


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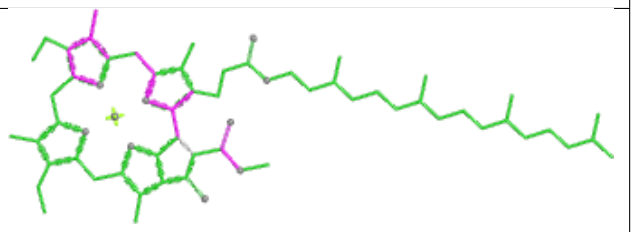


Rings

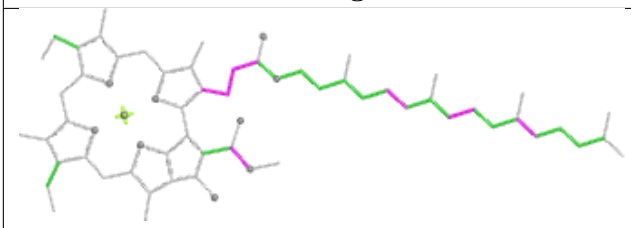
Ligand CLA H 1127



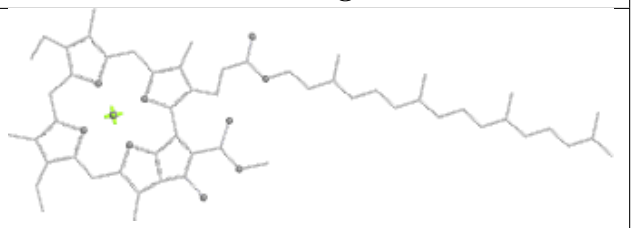
Bond lengths



Bond angles

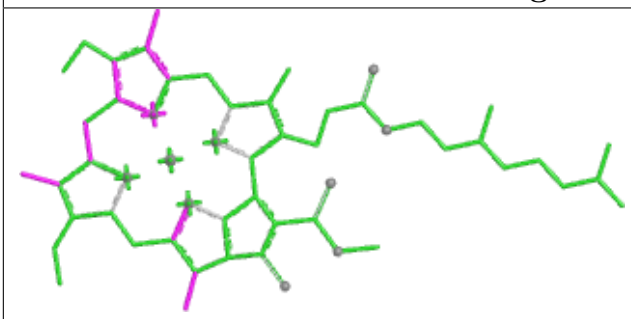


Torsions

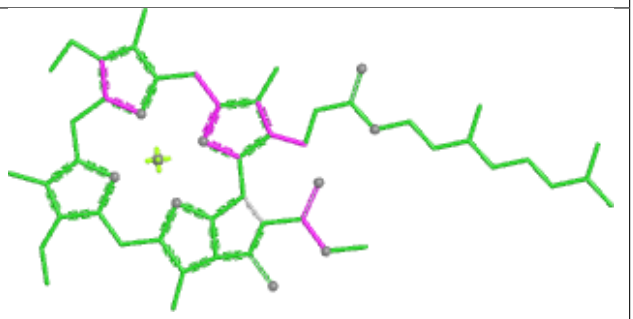


Rings

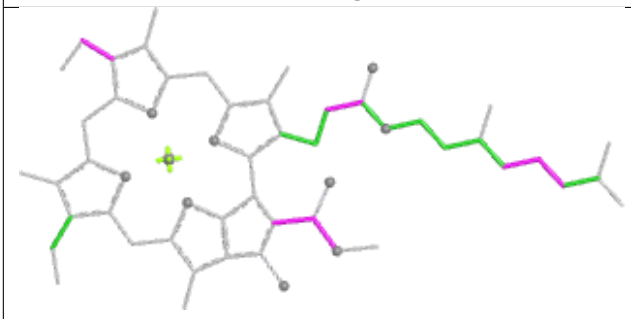
Ligand CLA s 517



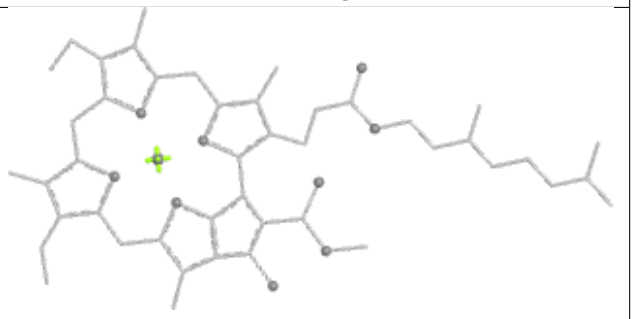
Bond lengths



Bond angles

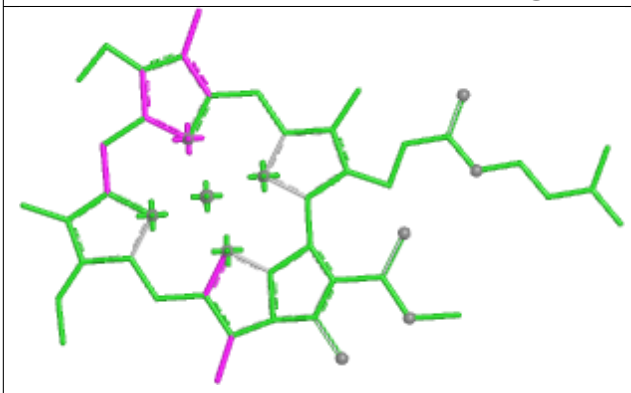


Torsions

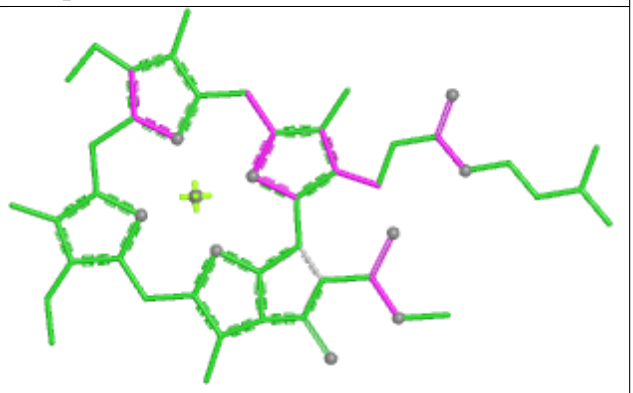


Rings

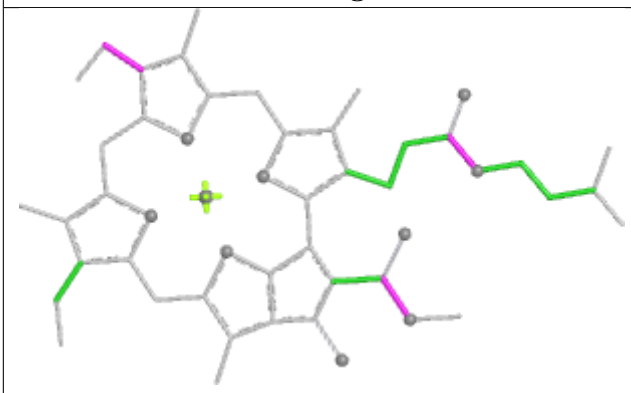
Ligand CLA q 501



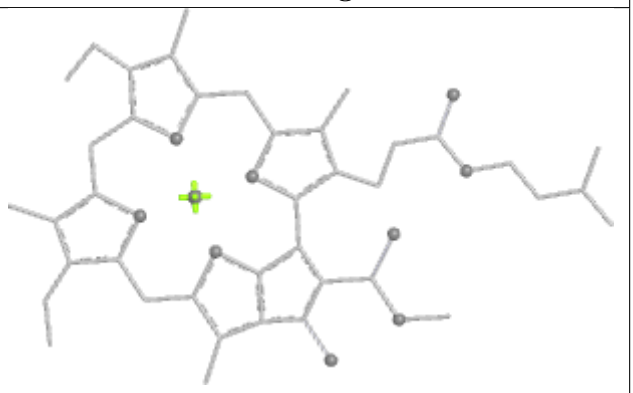
Bond lengths



Bond angles

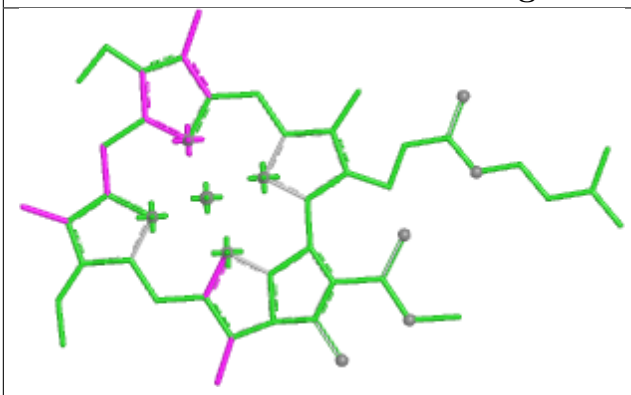


Torsions

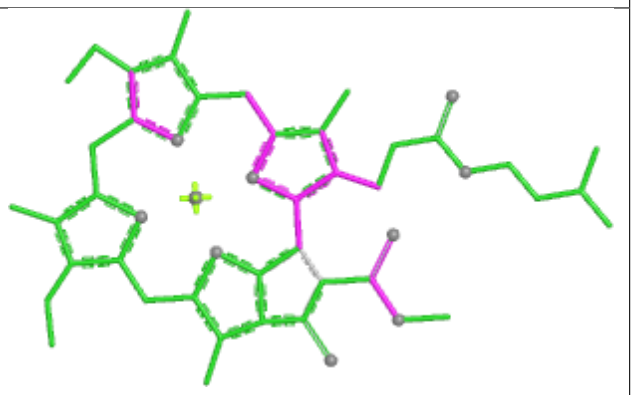


Rings

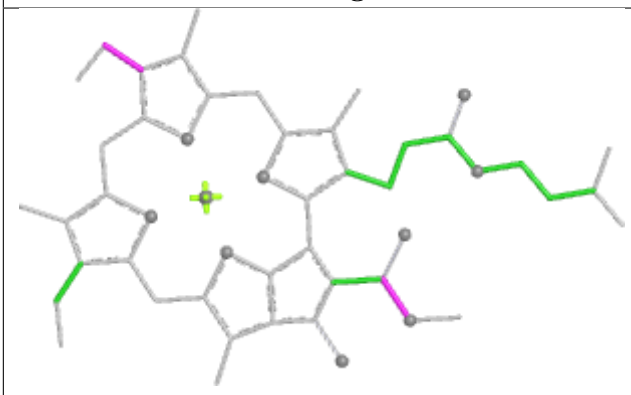
Ligand CLA b 1240



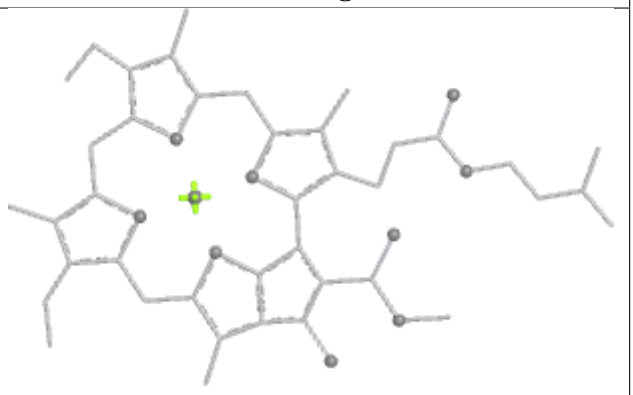
Bond lengths



Bond angles

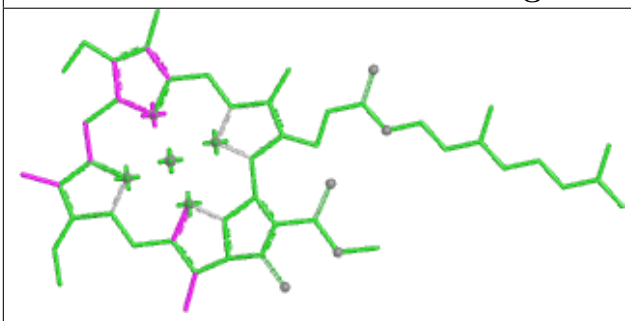


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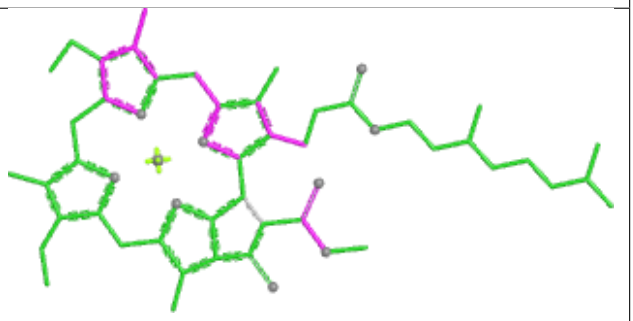


Rings

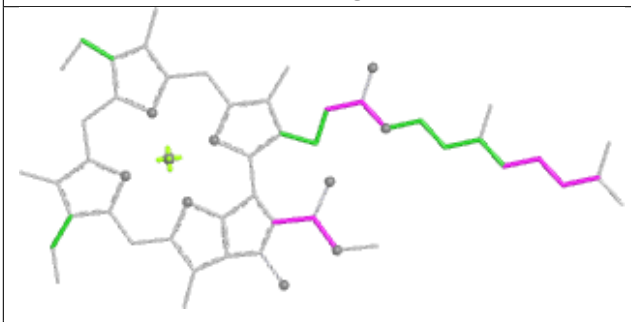
Ligand CLA Y 517



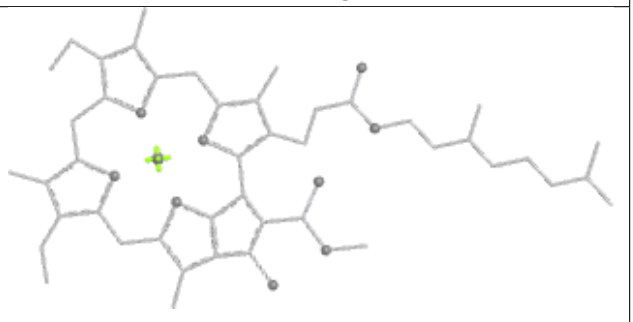
Bond lengths



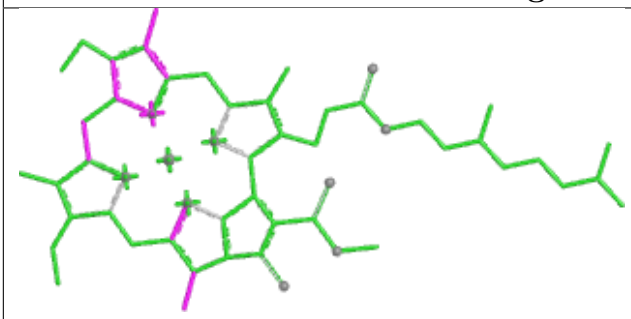
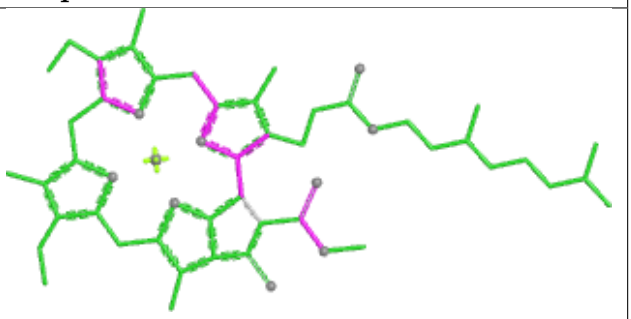
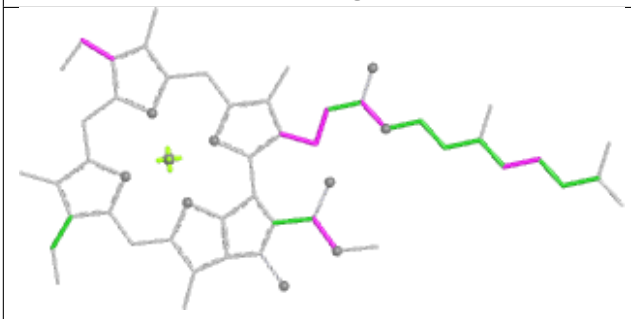
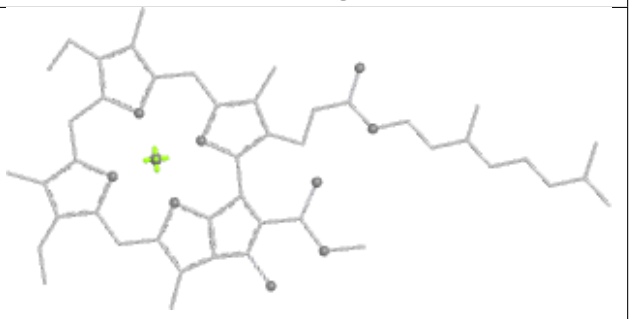
Bond angles

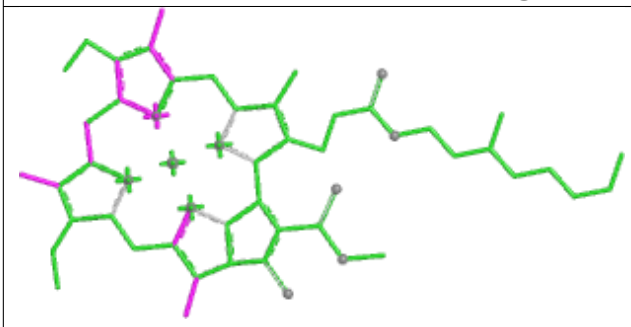
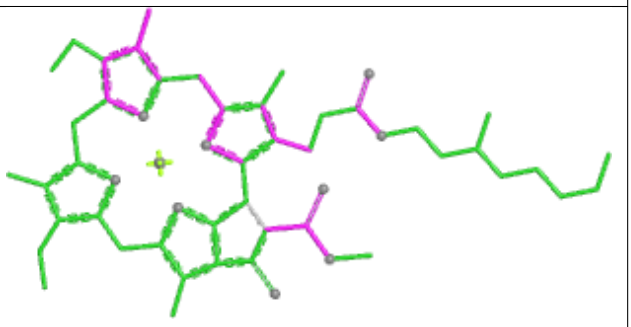
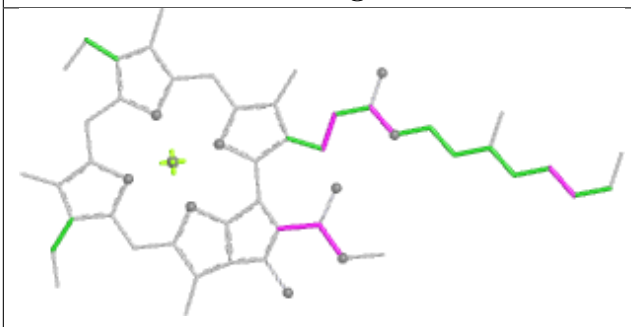
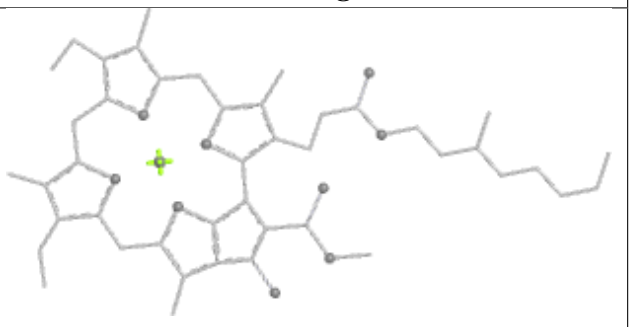


Torsions

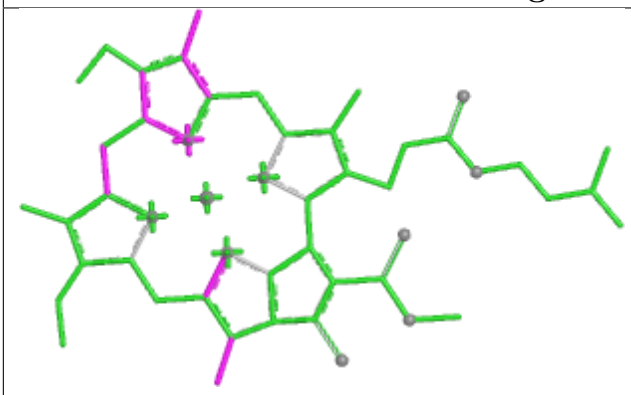


Rings

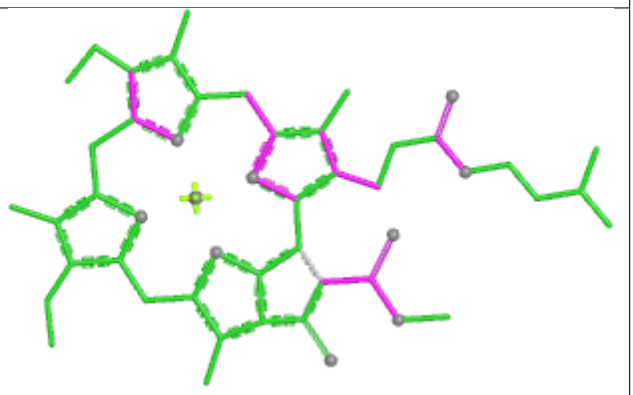
Ligand CLA q 508	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA B 1201	
 Bond lengths	 Bond angles
 Torsions	 Rings

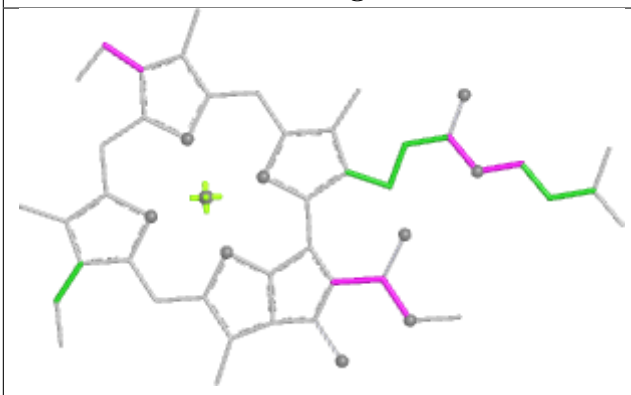
Ligand CLA o 501



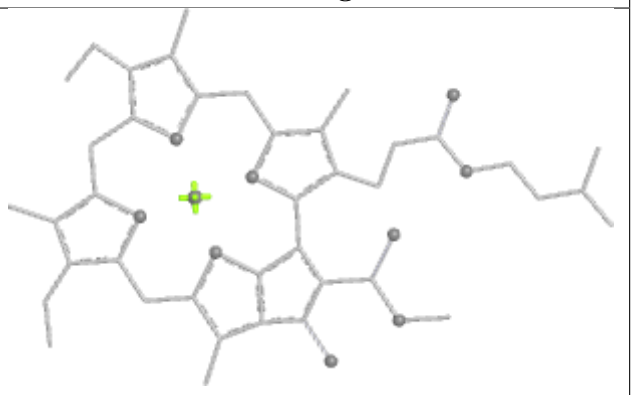
Bond lengths



Bond angles

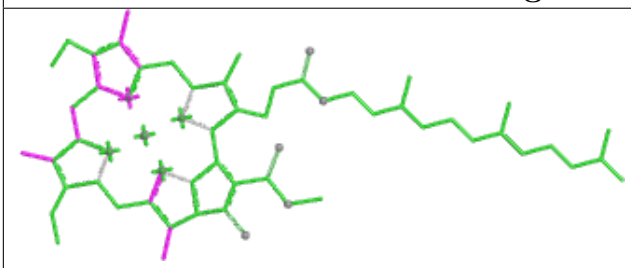


Torsions

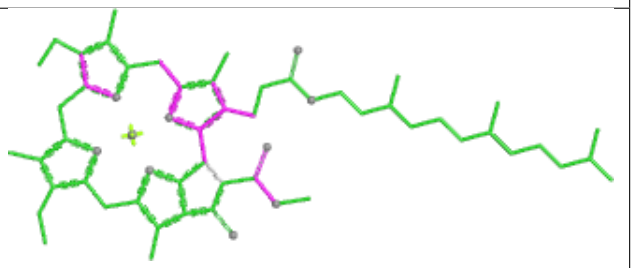


Rings

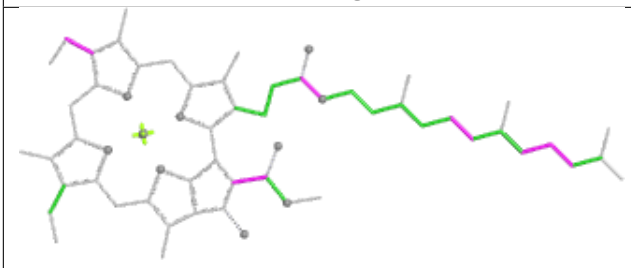
Ligand CLA w 506



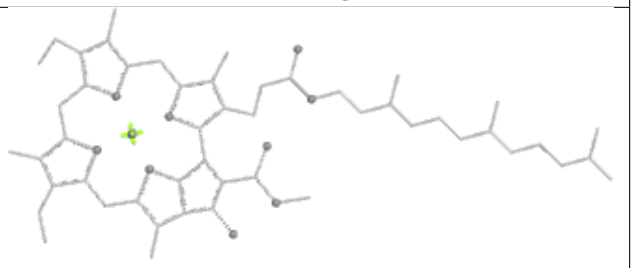
Bond lengths



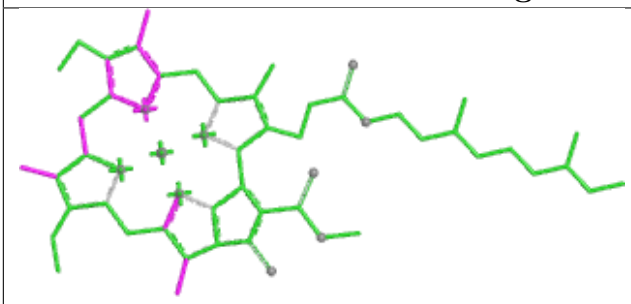
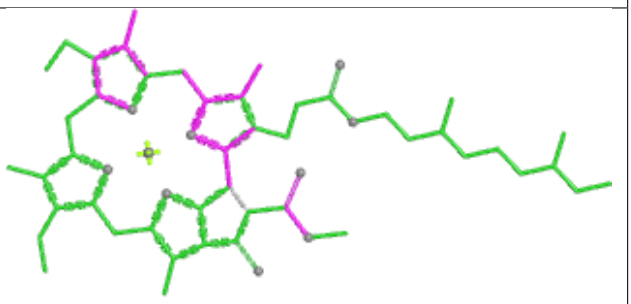
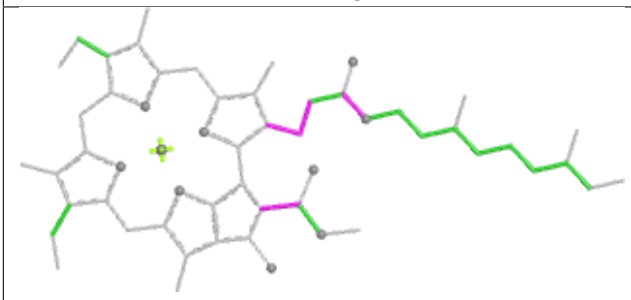
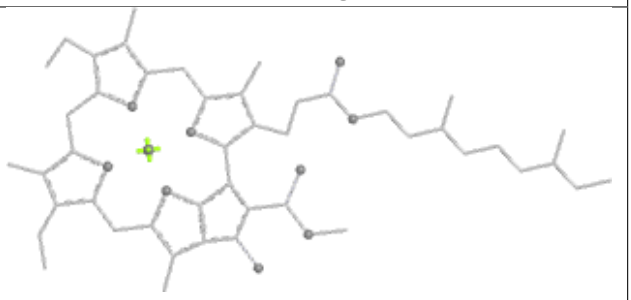
Bond angles

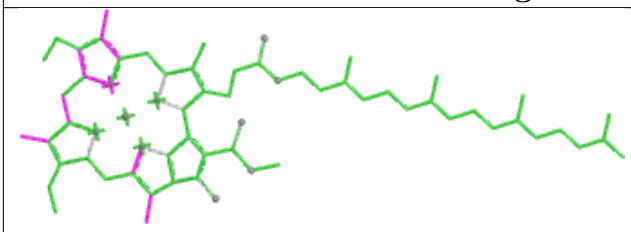
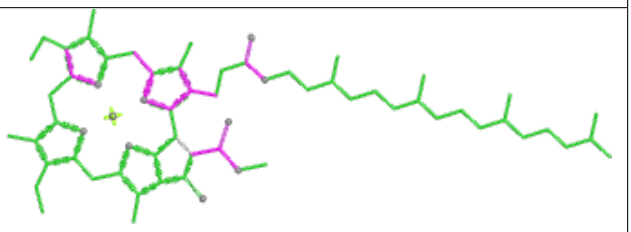
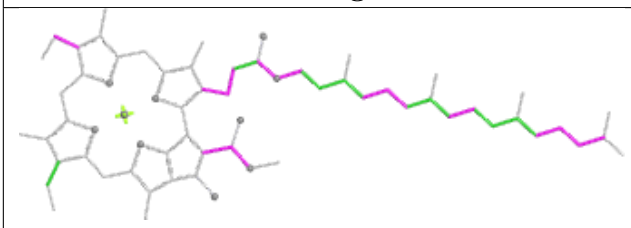
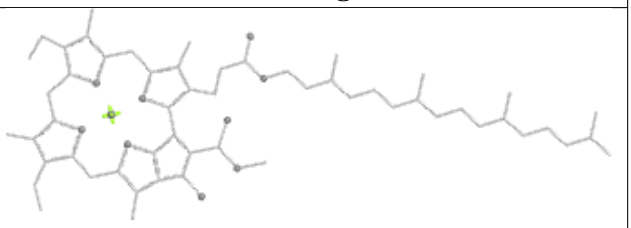


Torsions

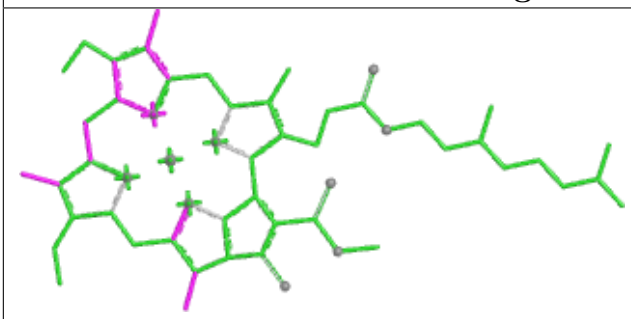


Rings

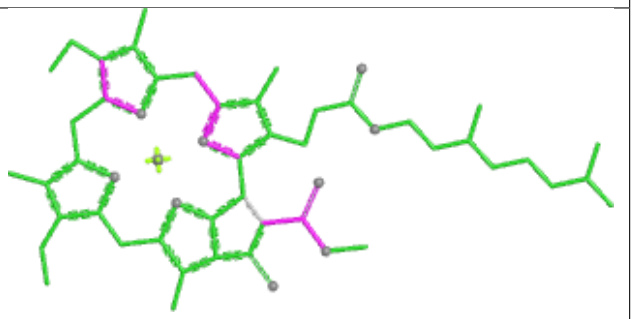
Ligand CLA A 1102	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA H 1106	
	
Bond lengths	Bond angles
	
Torsions	Rings

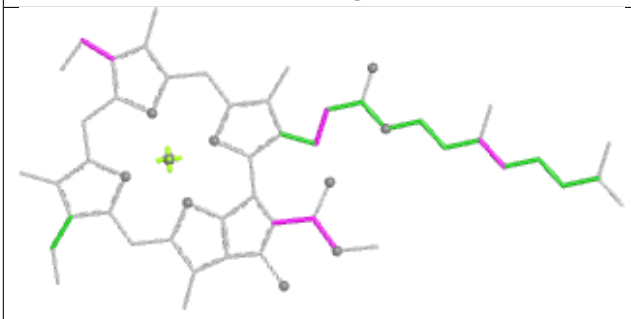
Ligand CLA G 1218



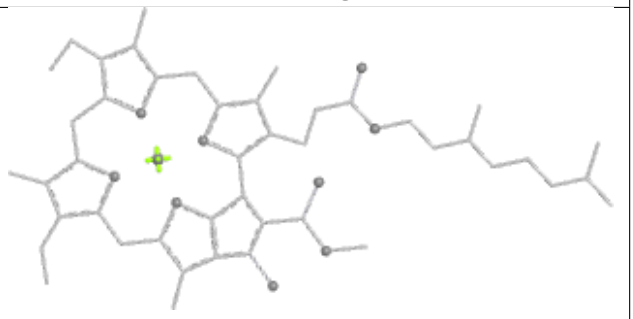
Bond lengths



Bond angles

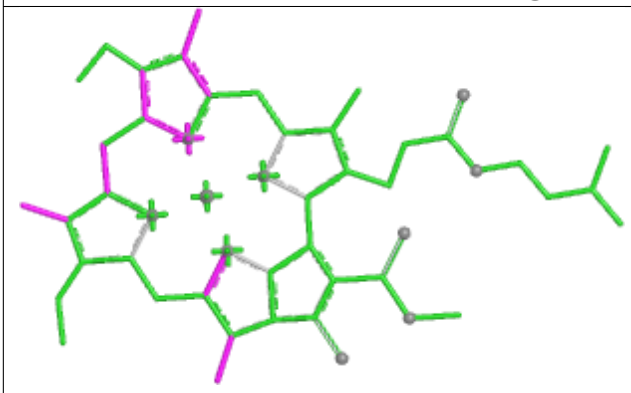


Torsions

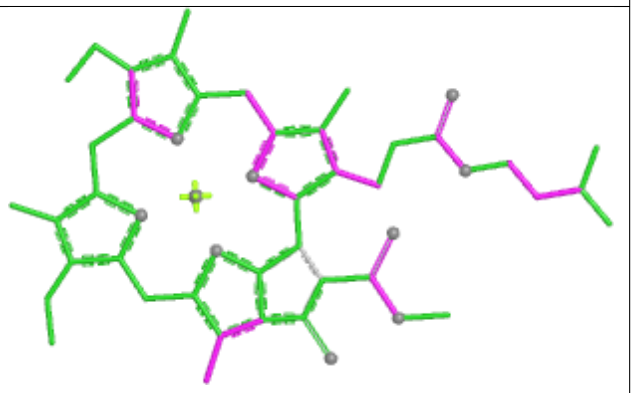


Rings

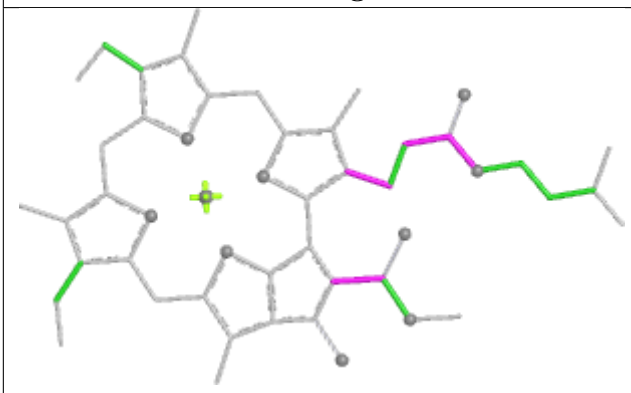
Ligand CLA Z 502



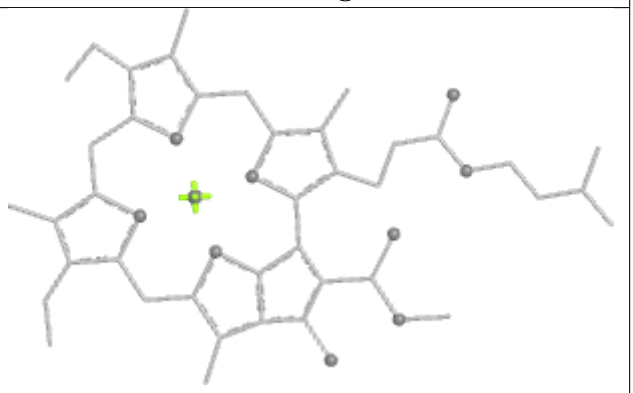
Bond lengths



Bond angles

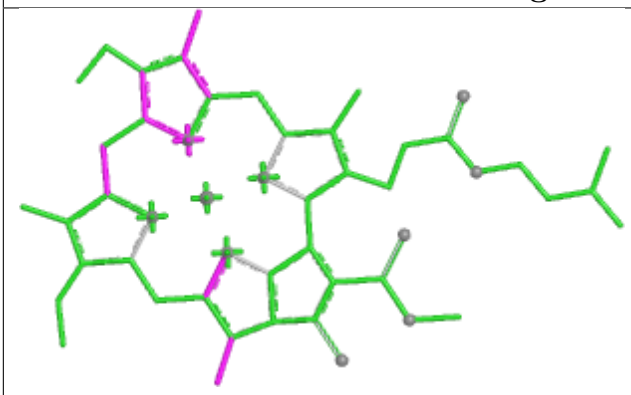


Torsions

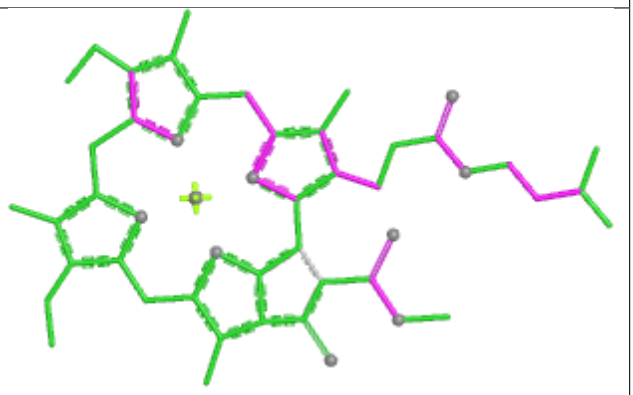


Rings

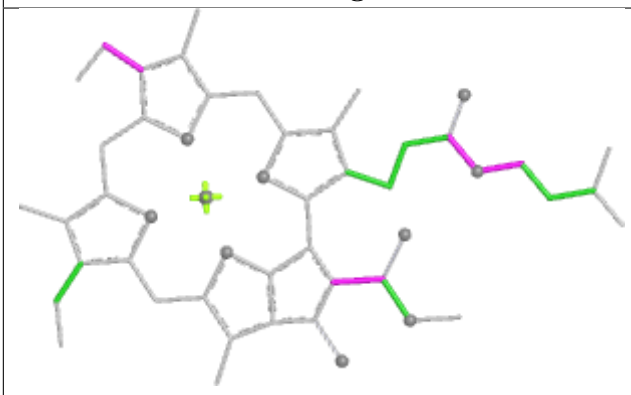
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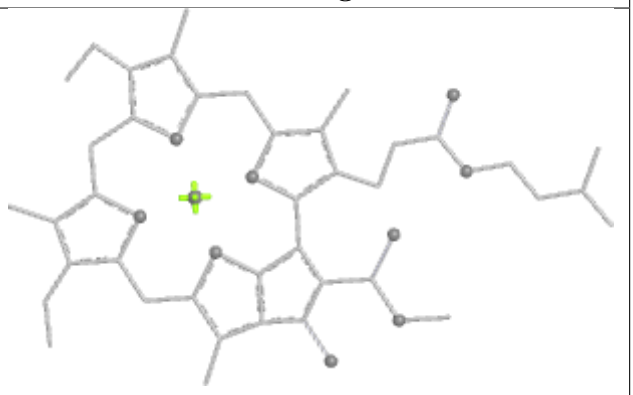
Bond lengths



Bond angles

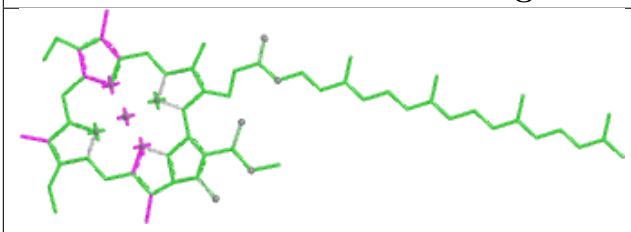


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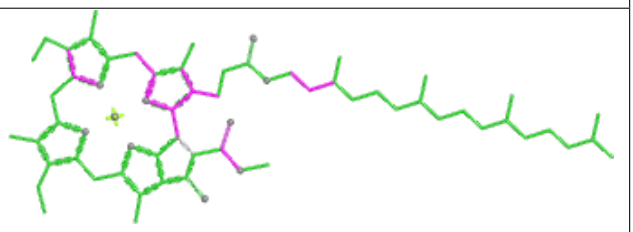


Rings

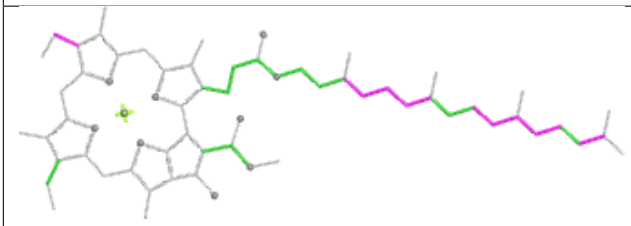
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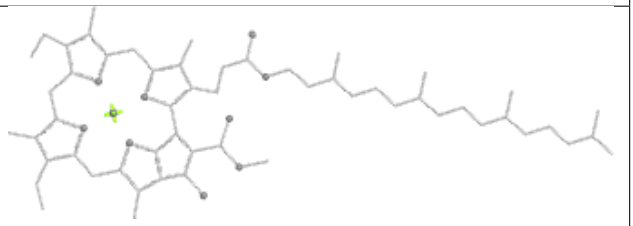
Bond lengths



Bond angles

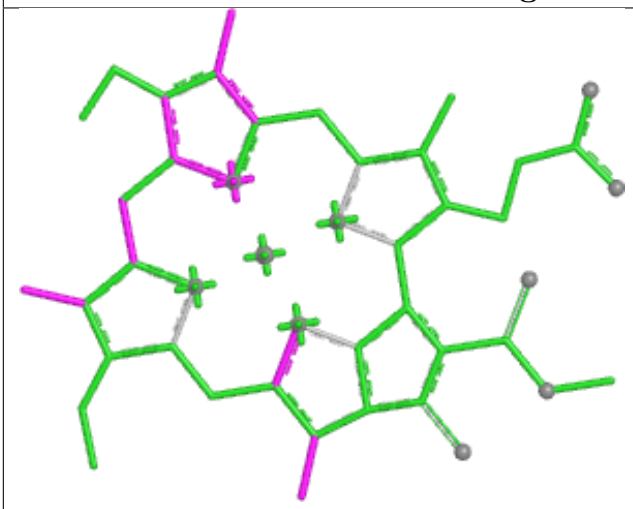


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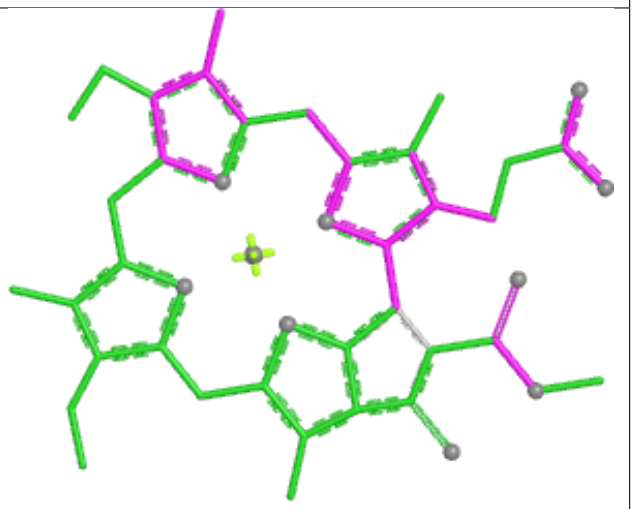


Rings

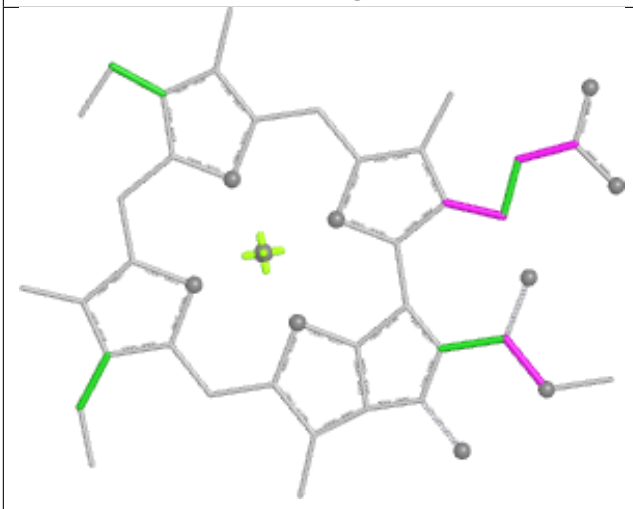
Ligand CLA a 1112



Bond lengths



Bond angles

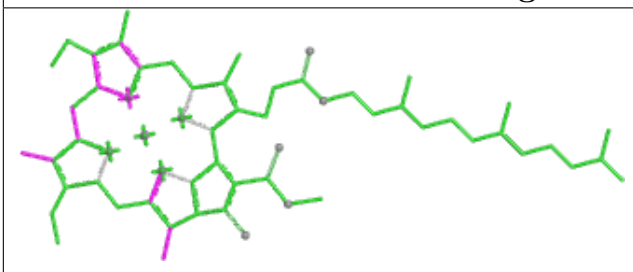


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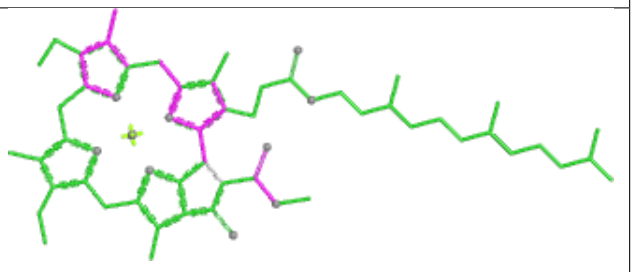


Rings

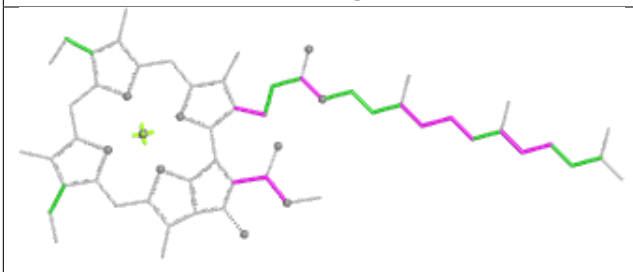
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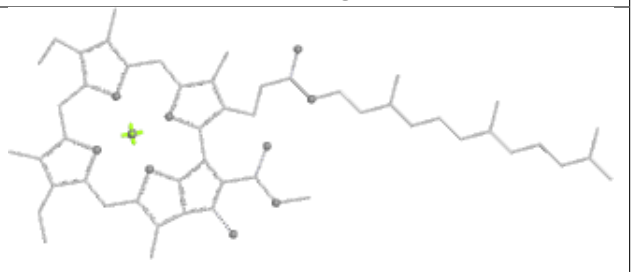
Bond lengths



Bond angles

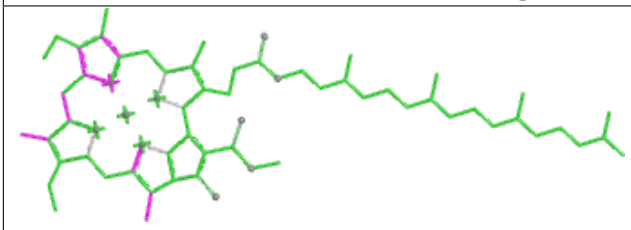


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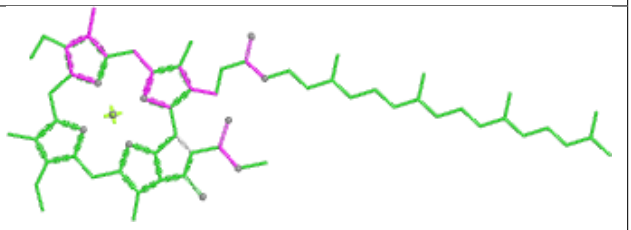


Rings

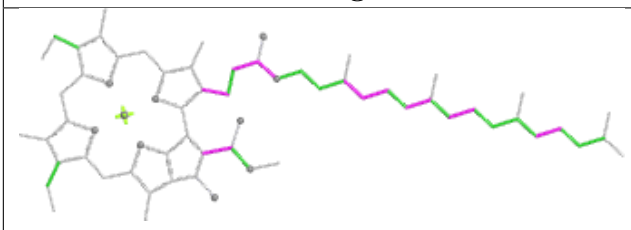
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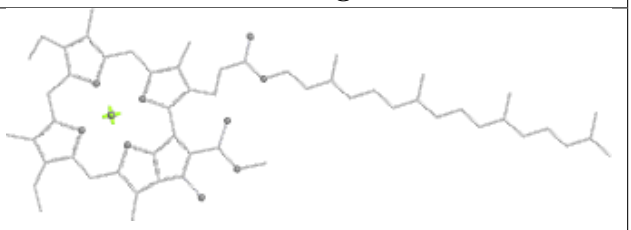
Bond lengths



Bond angles

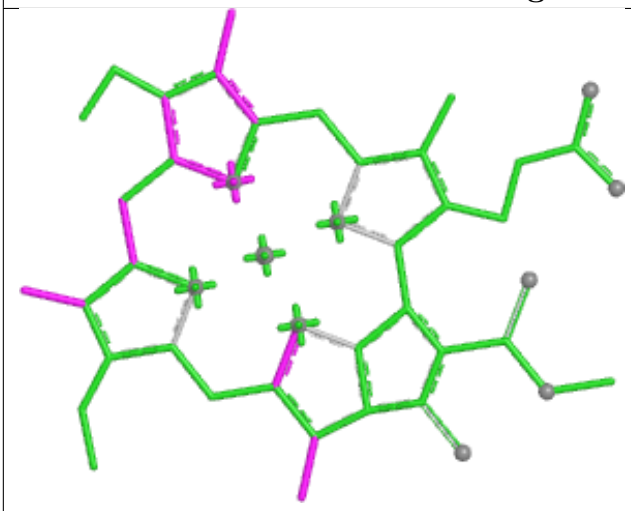


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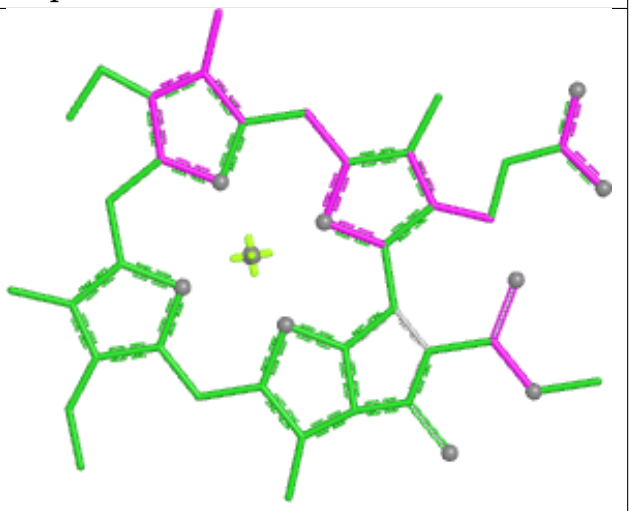


Rings

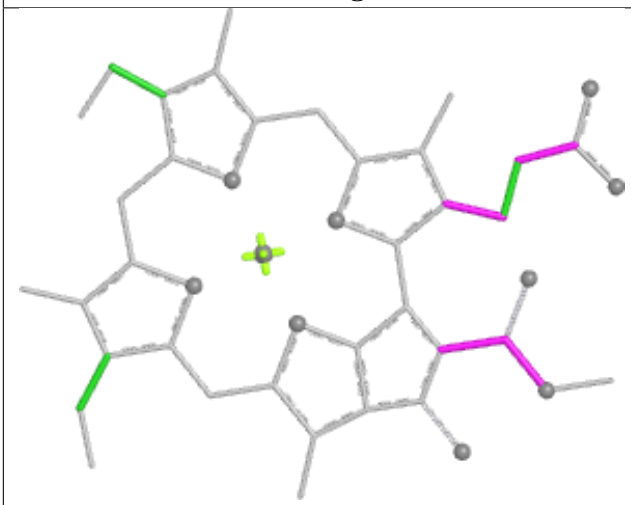
Ligand CLA p 512



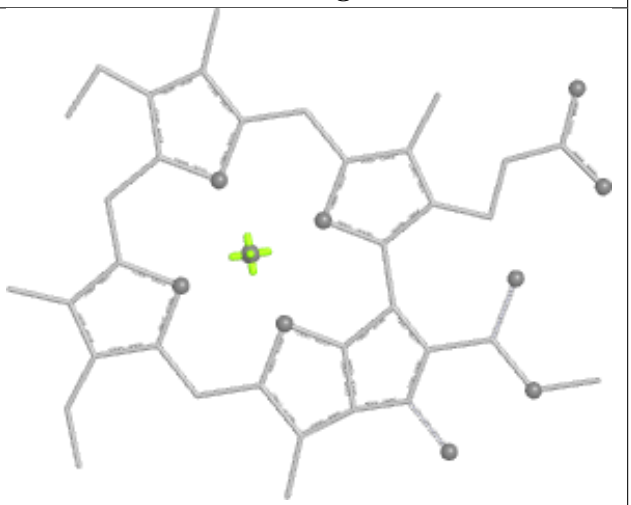
Bond lengths



Bond angles

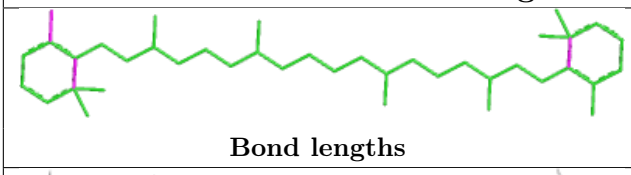


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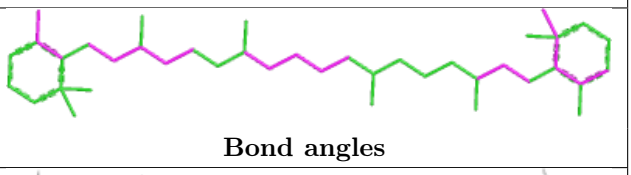


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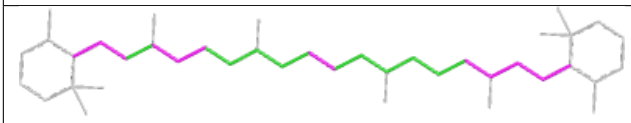
Ligand BCR J 4015



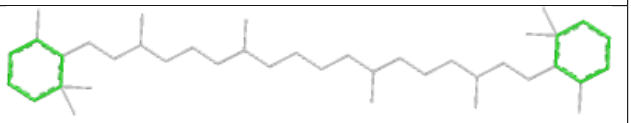
Bond lengths



Bond angles

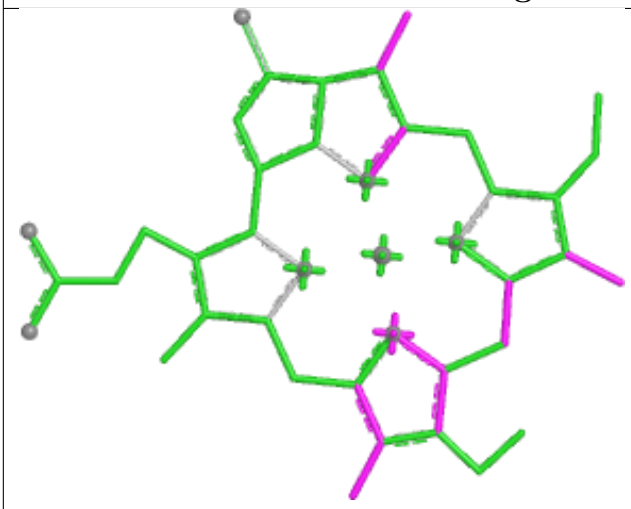


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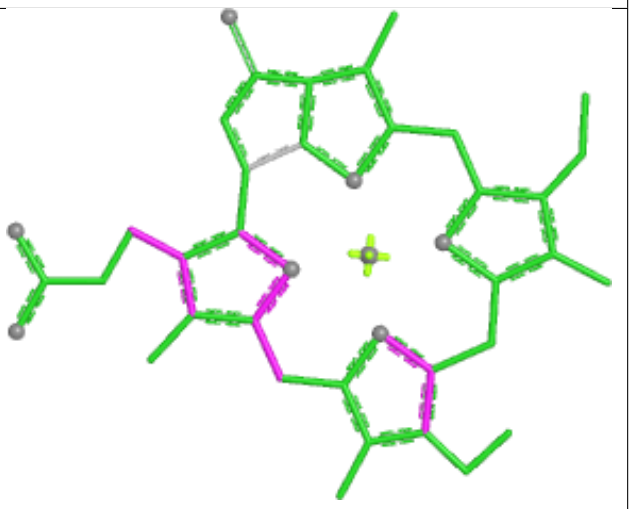


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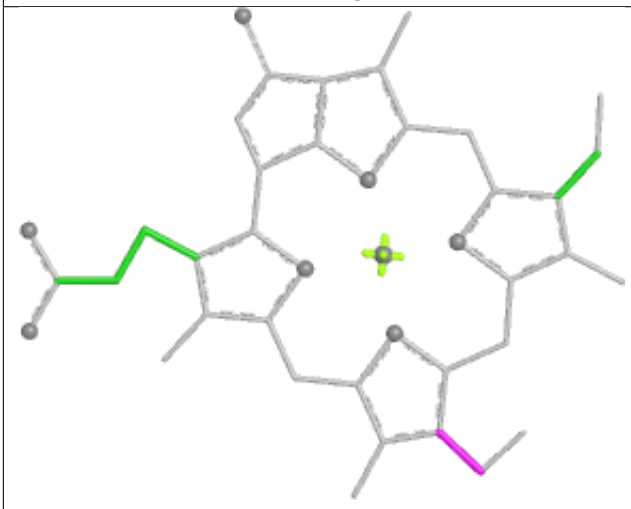
Ligand CLA H 1402



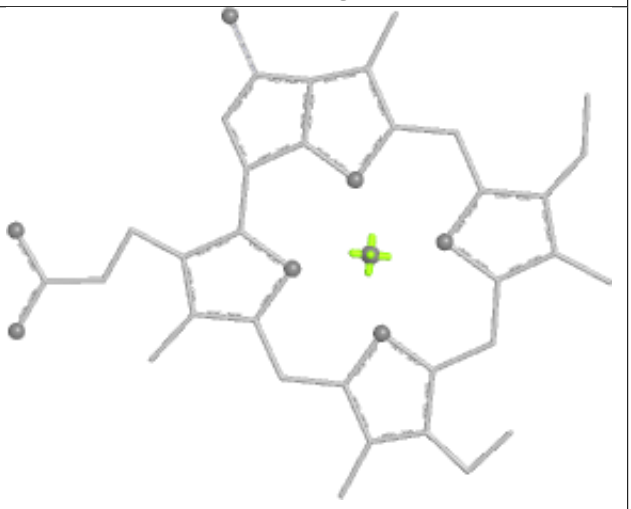
Bond lengths



Bond angles

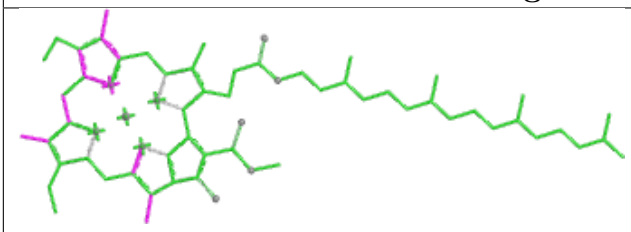


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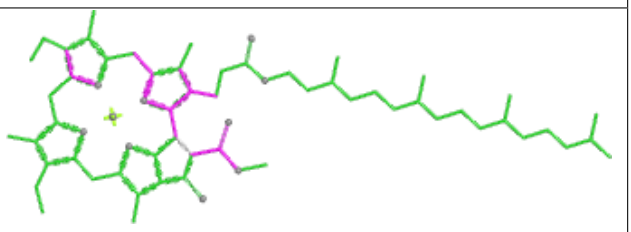


Rings

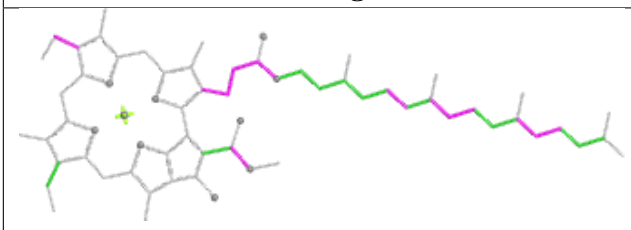
Ligand CLA Y 505



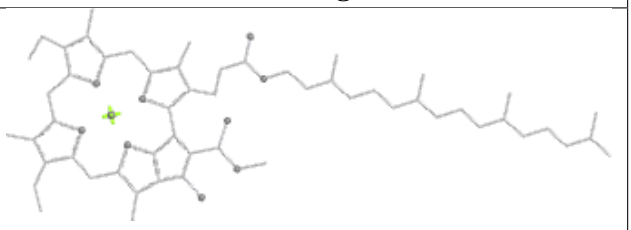
Bond lengths



Bond angles

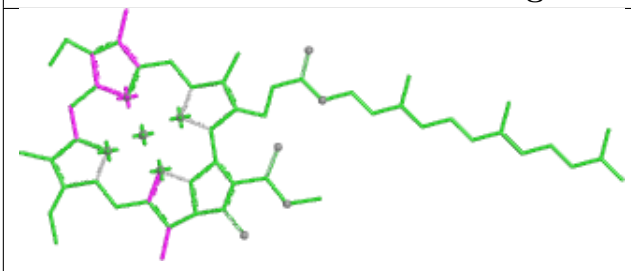


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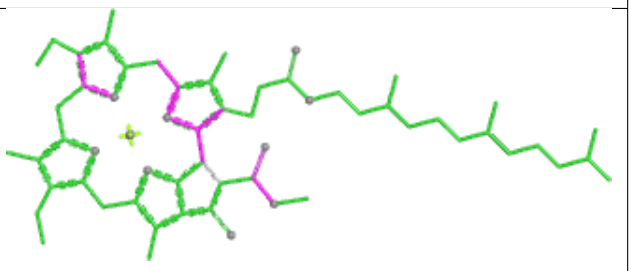


Rings

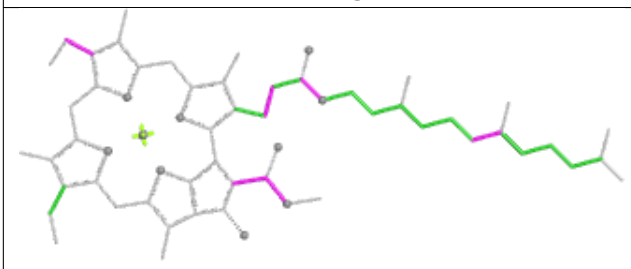
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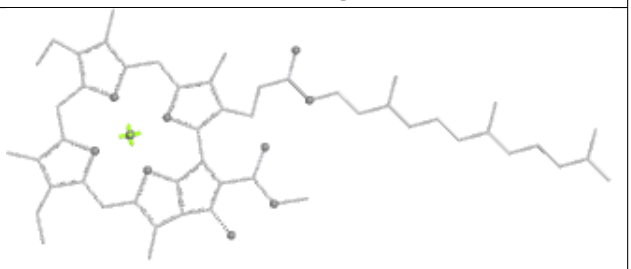
Bond lengths



Bond angles

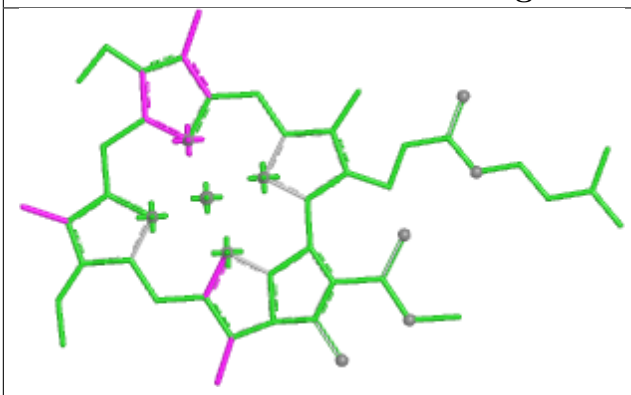


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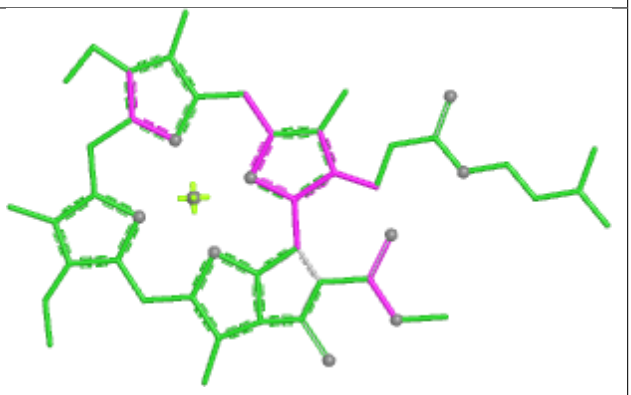


Rings

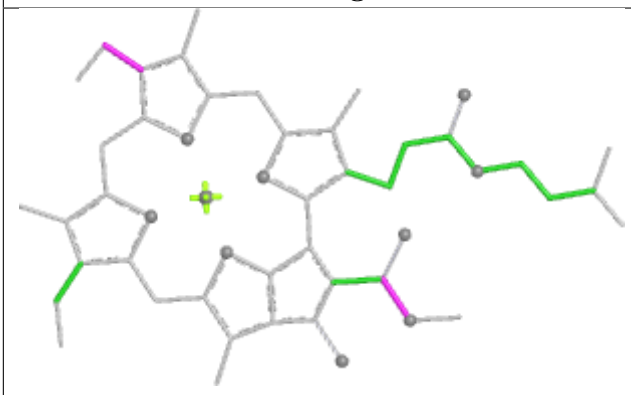
Ligand CLA B 1240



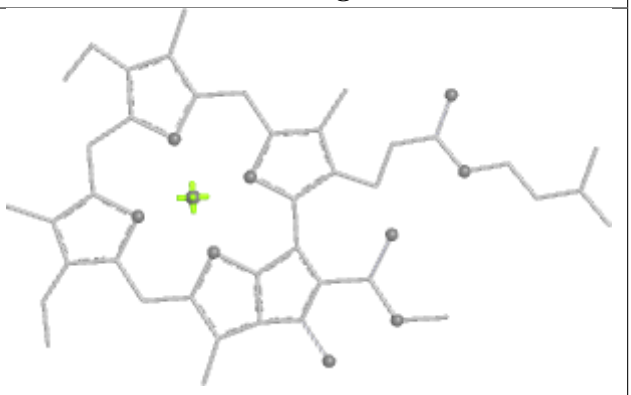
Bond lengths



Bond angles

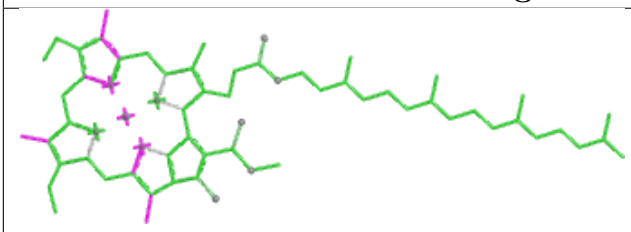


Torsions

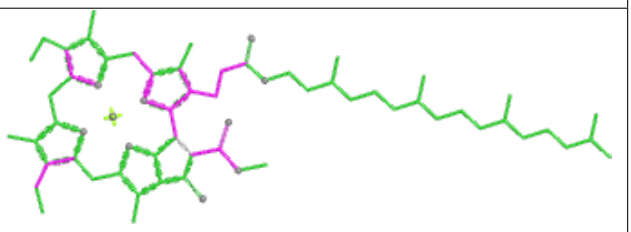


Rings

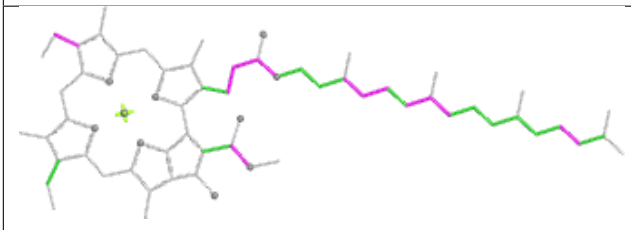
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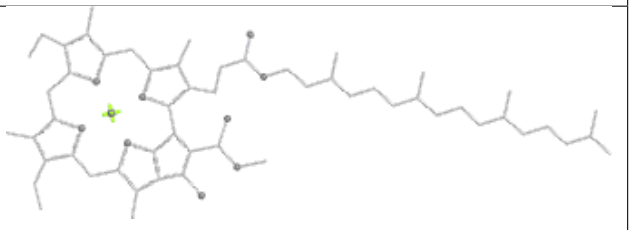
Bond lengths



Bond angles

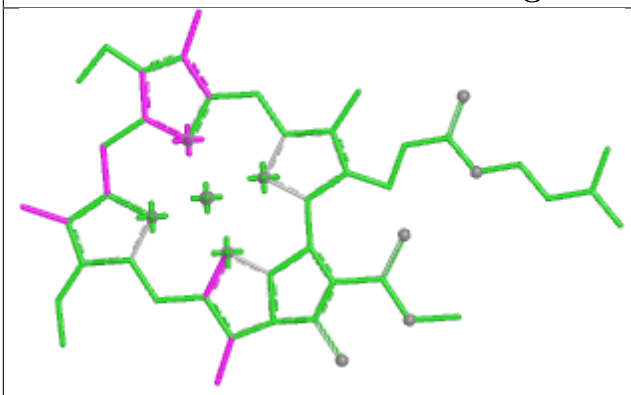


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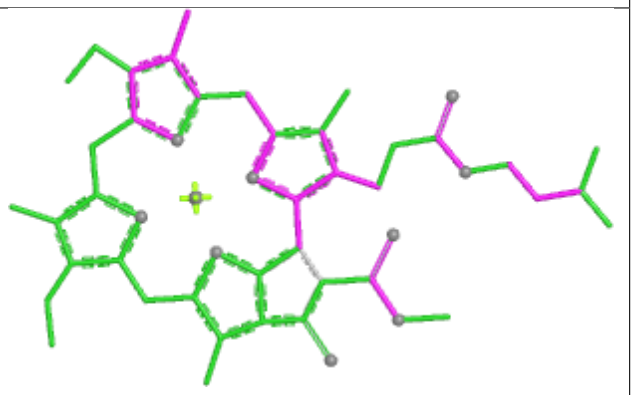


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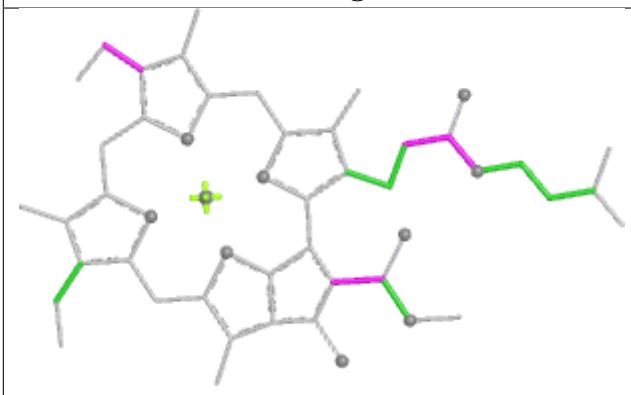
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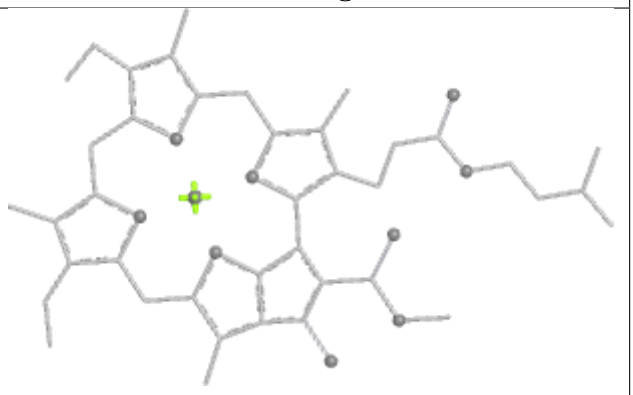
Bond lengths



Bond angles

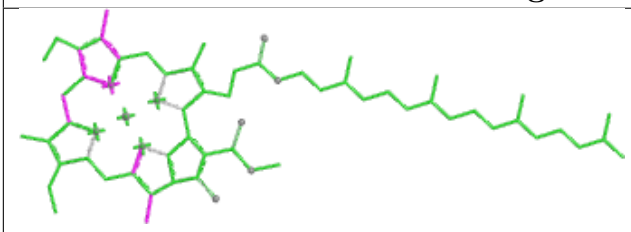


Torsions

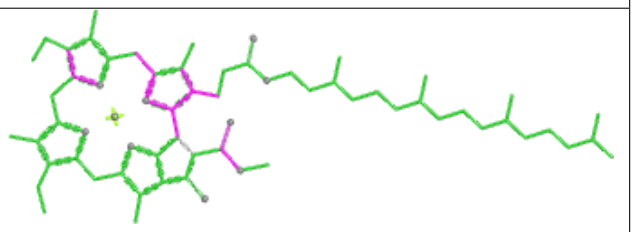


Rings

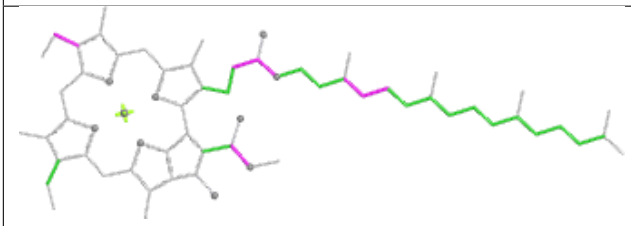
Ligand CLA v 507



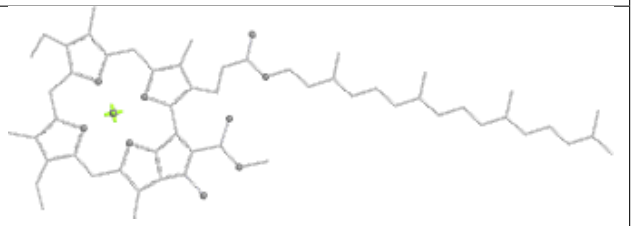
Bond lengths



Bond angles

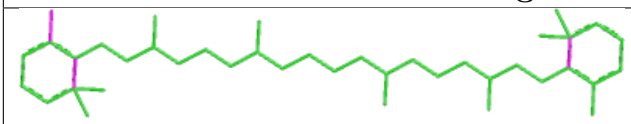


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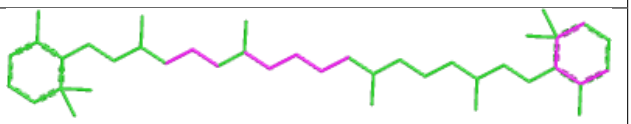


Rings

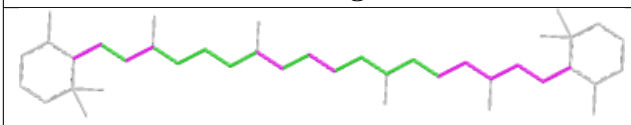
Ligand BCR b 4014



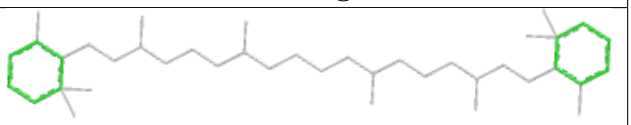
Bond lengths



Bond angles

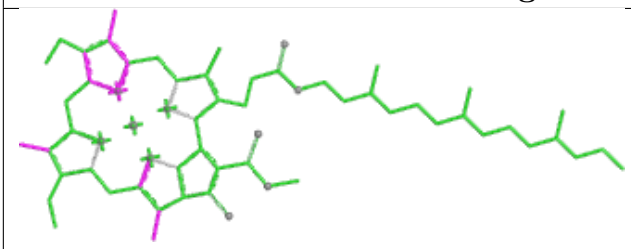


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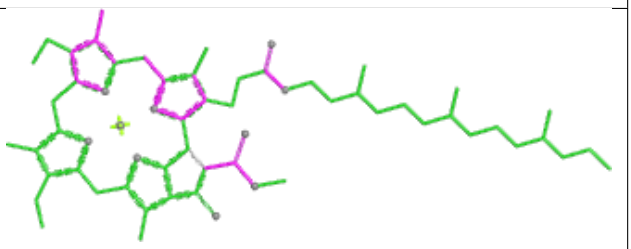


Rings

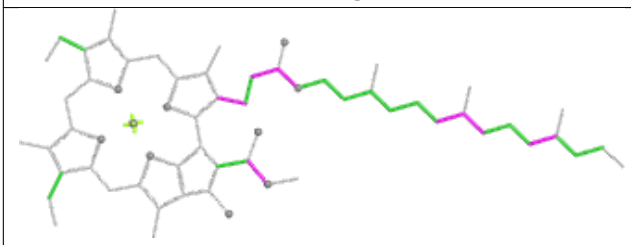
Ligand CLA b 1235



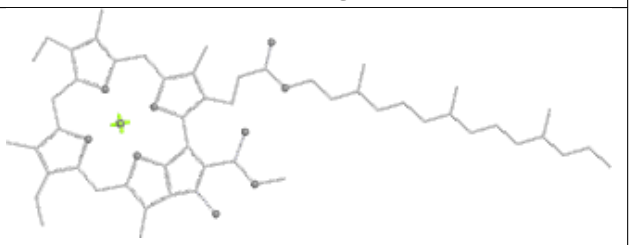
Bond lengths



Bond angles

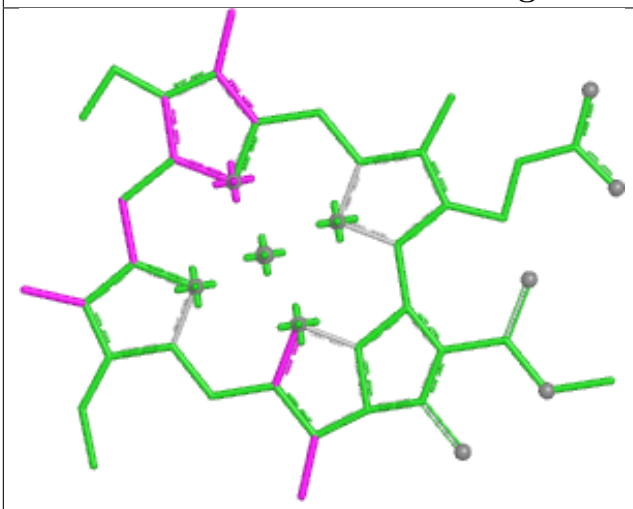


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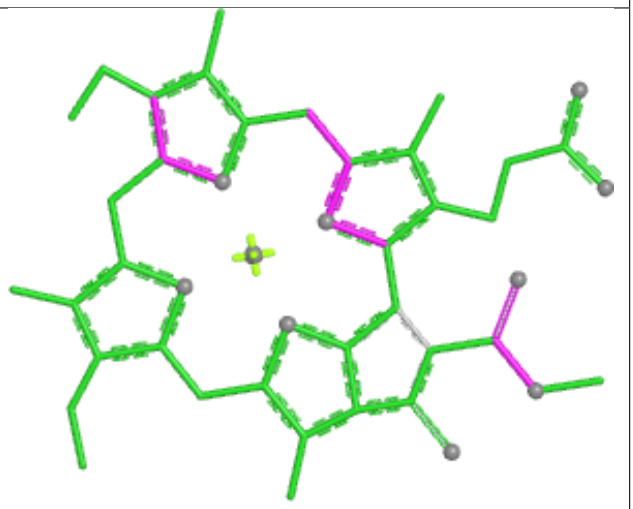


Rings

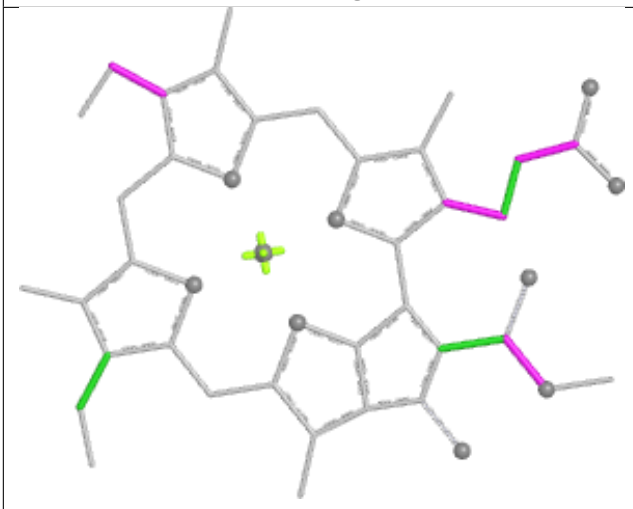
Ligand CLA b 1217



Bond lengths



Bond angles

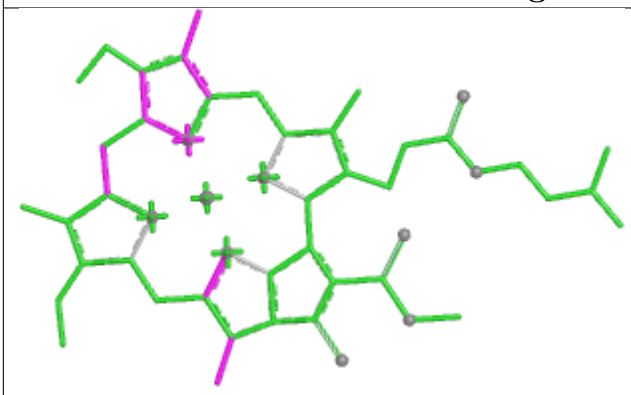


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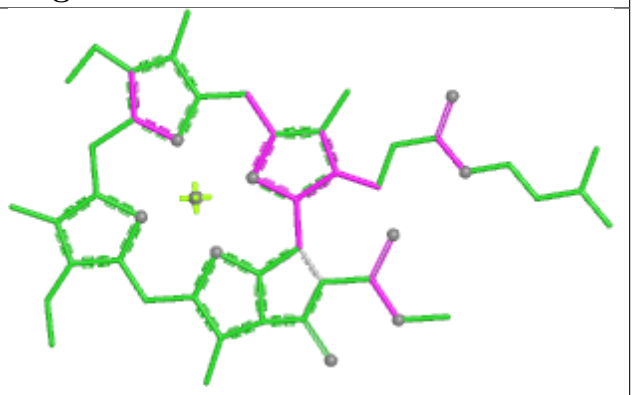


Rings

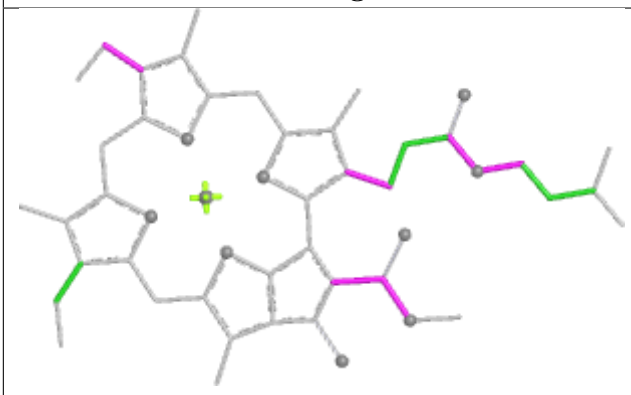
Ligand CLA g 501



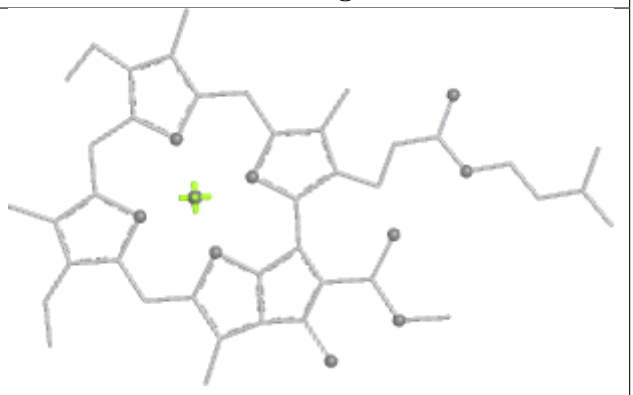
Bond lengths



Bond angles



Torsions

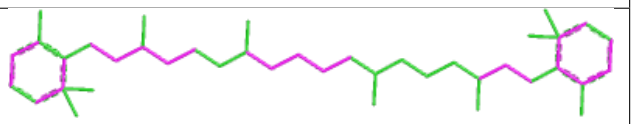


Rings

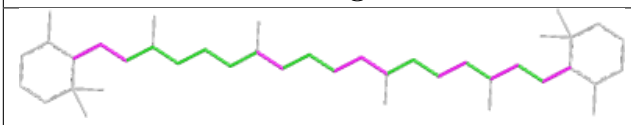
Ligand BCR n 601



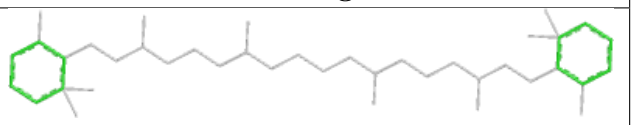
Bond lengths



Bond angles

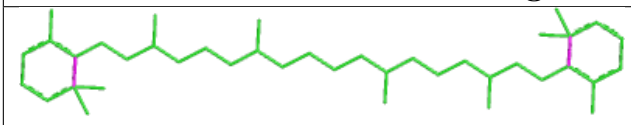


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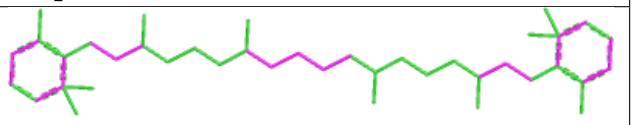


Rings

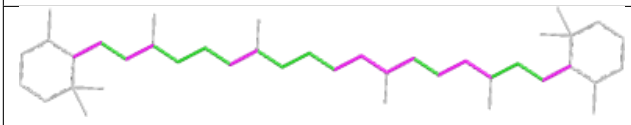
Ligand BCR p 601



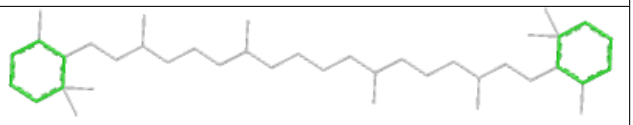
Bond lengths



Bond angles

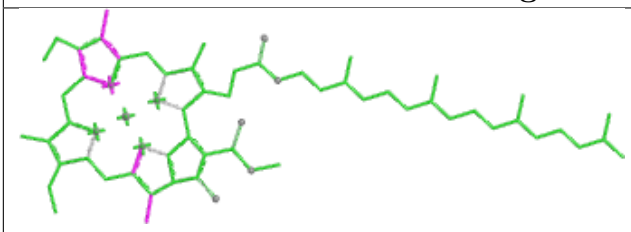


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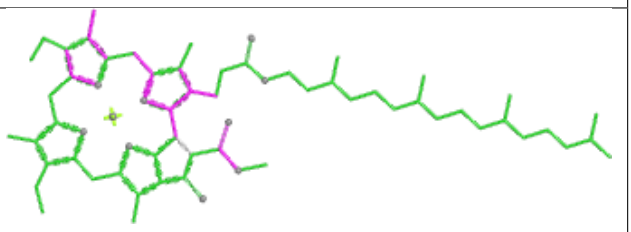


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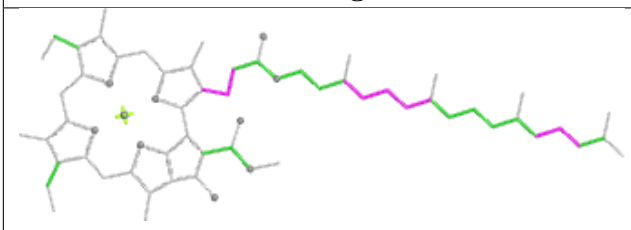
Ligand CLA a 1123



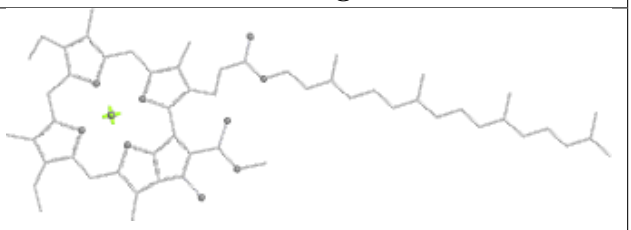
Bond lengths



Bond angles



Torsions

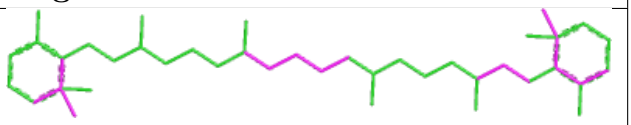


Rings

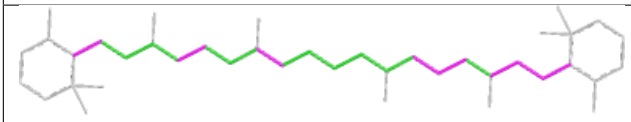
Ligand BCR g 602



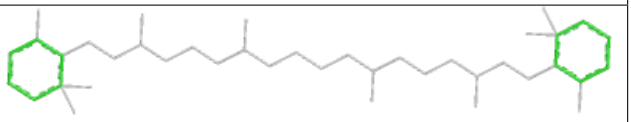
Bond lengths



Bond angles

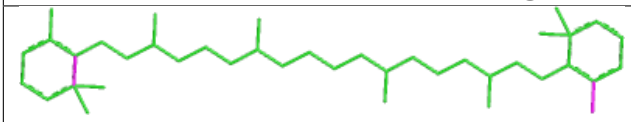


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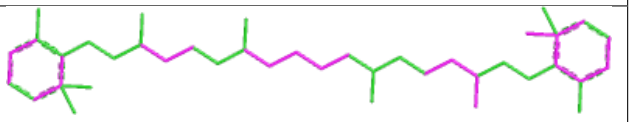


Rings

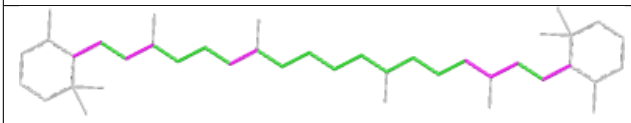
Ligand BCR l 4022



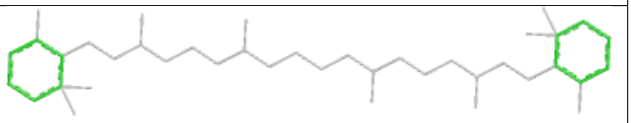
Bond lengths



Bond angles

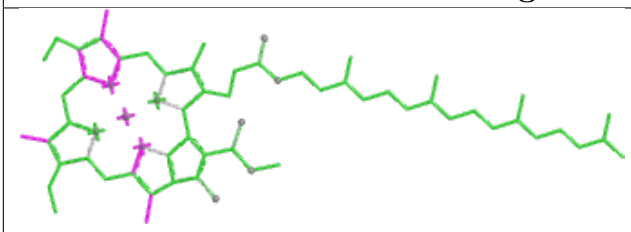


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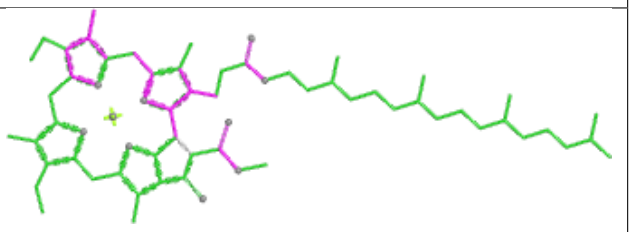


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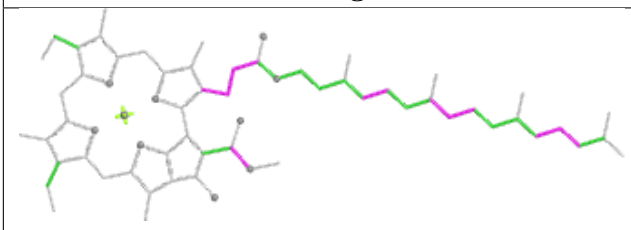
Ligand CLA b 1206



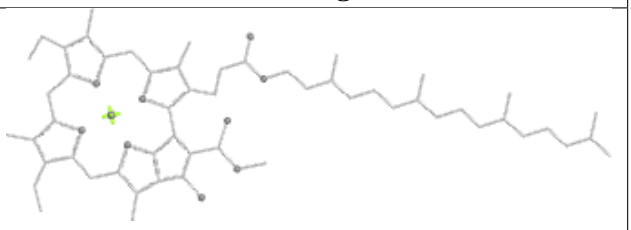
Bond lengths



Bond angles

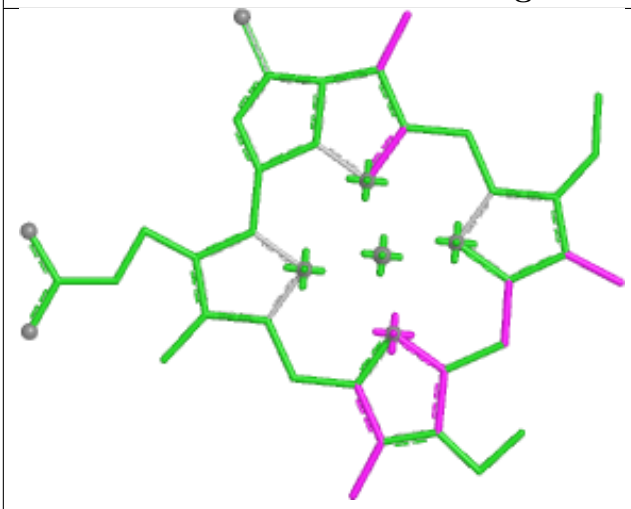


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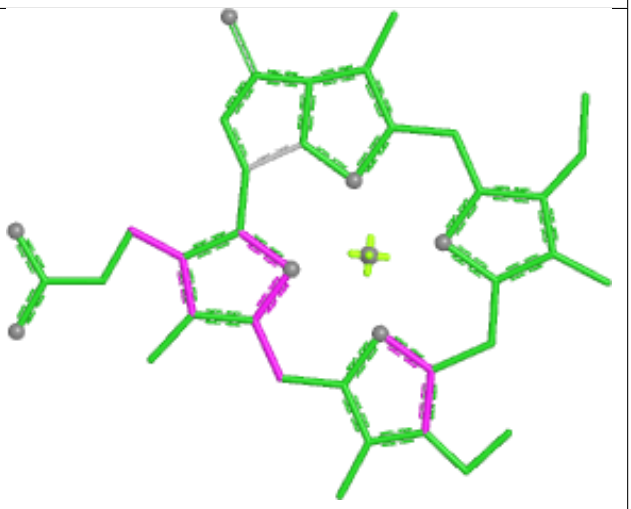


Rings

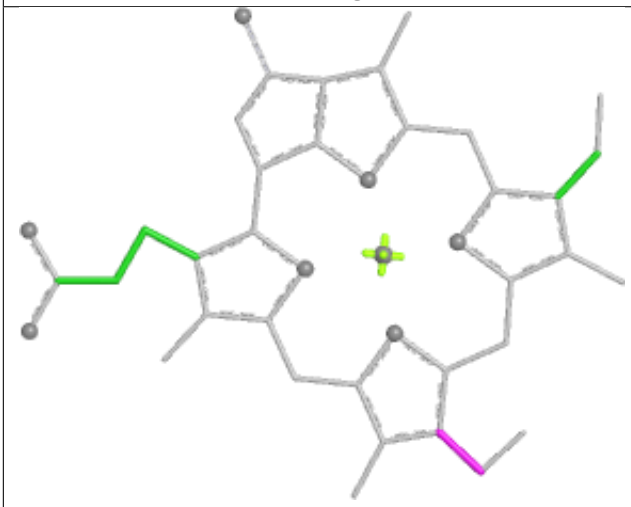
Ligand CLA A 1402



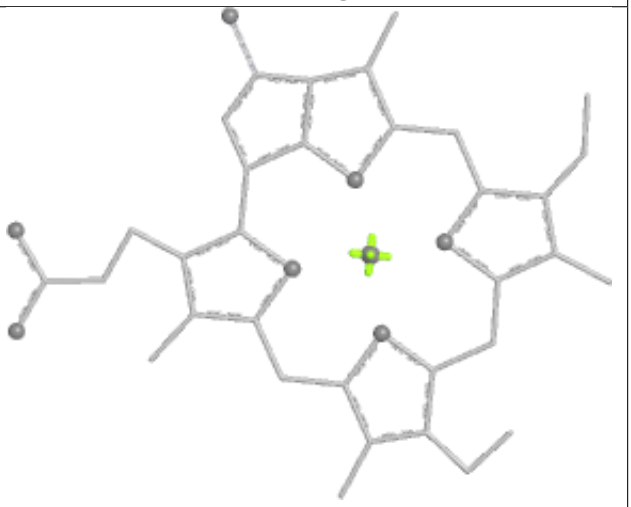
Bond lengths



Bond angles

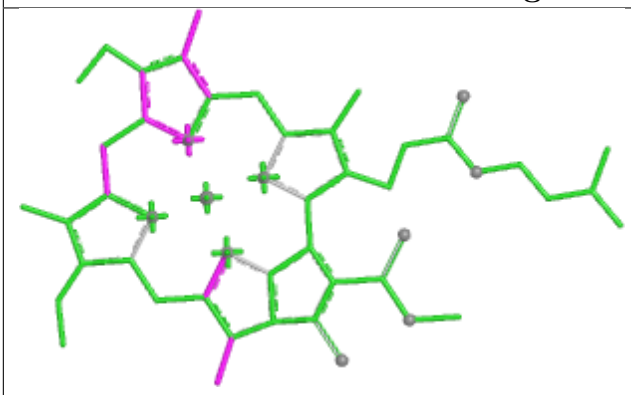


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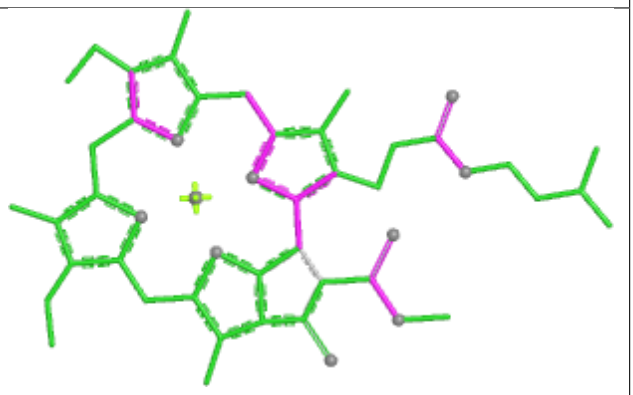


Rings

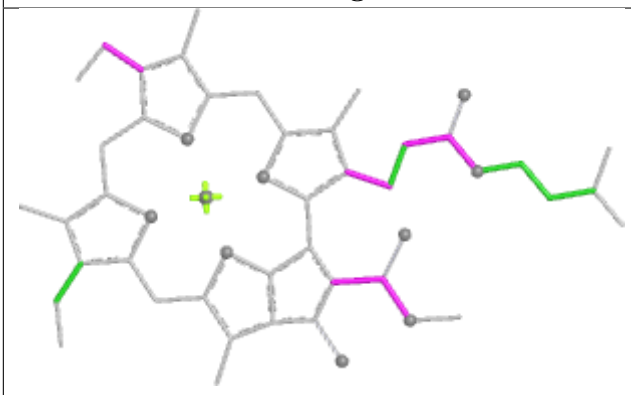
Ligand CLA X 514



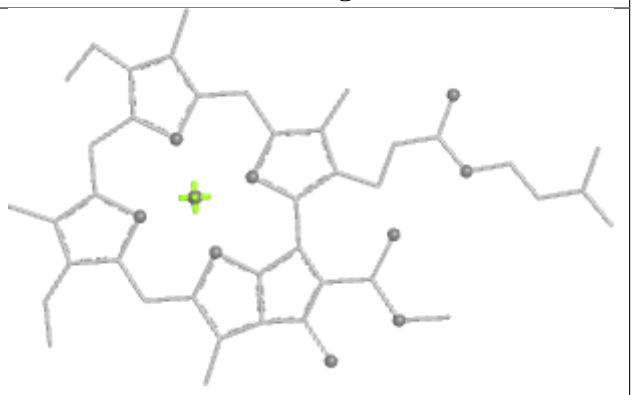
Bond lengths



Bond angles

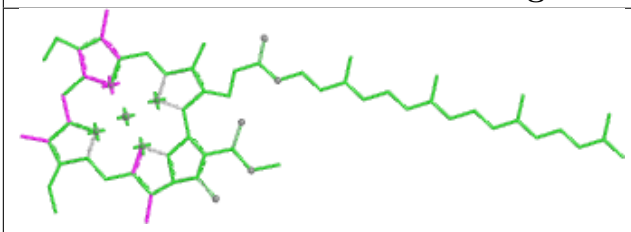


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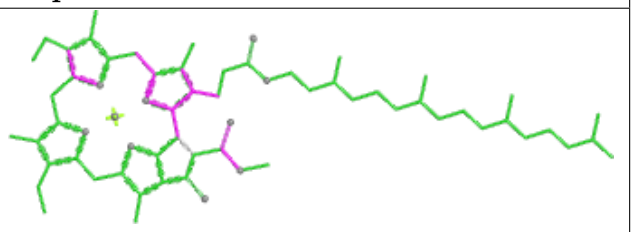


Rings

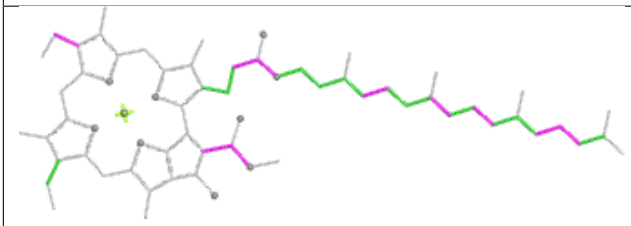
Ligand CLA p 507



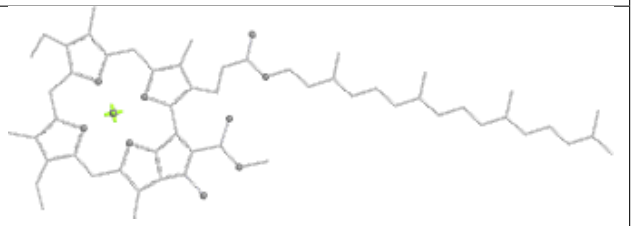
Bond lengths



Bond angles

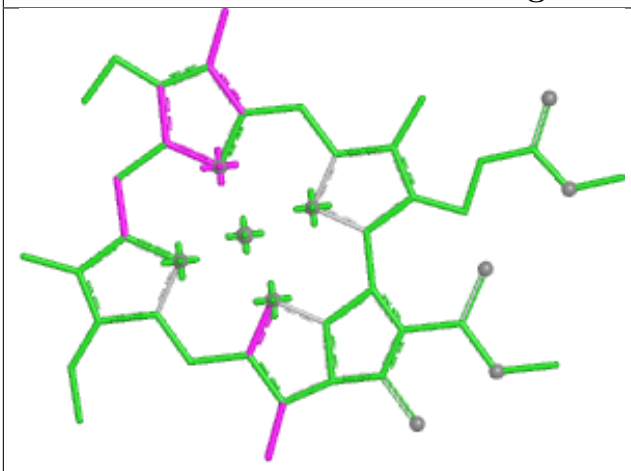


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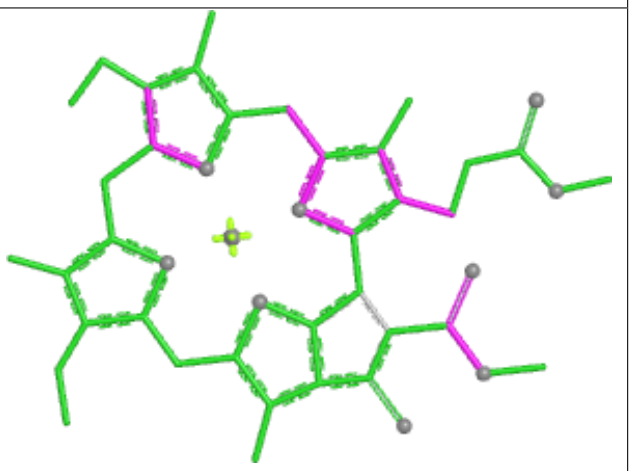


Rings

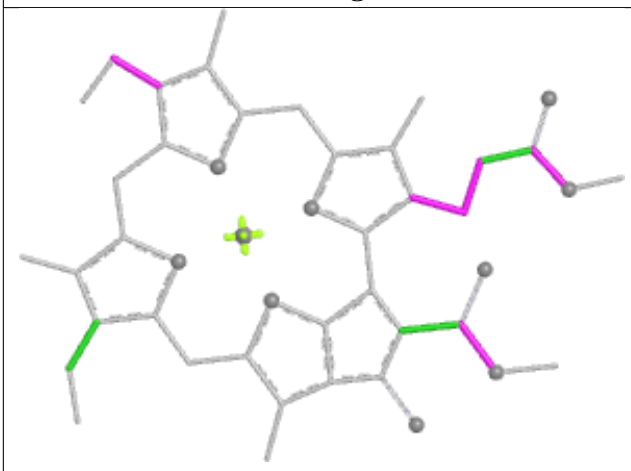
Ligand CLA v 501



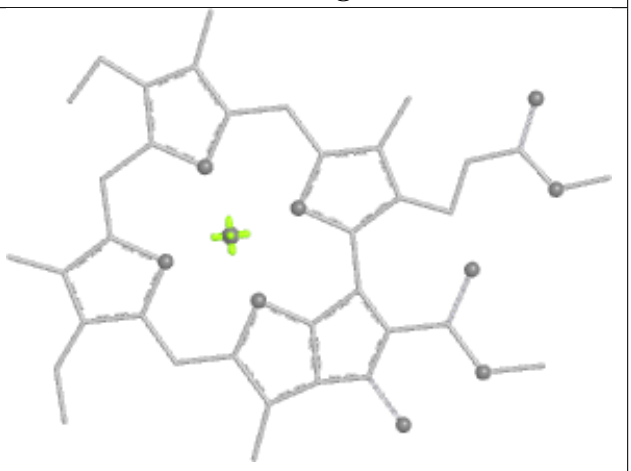
Bond lengths



Bond angles

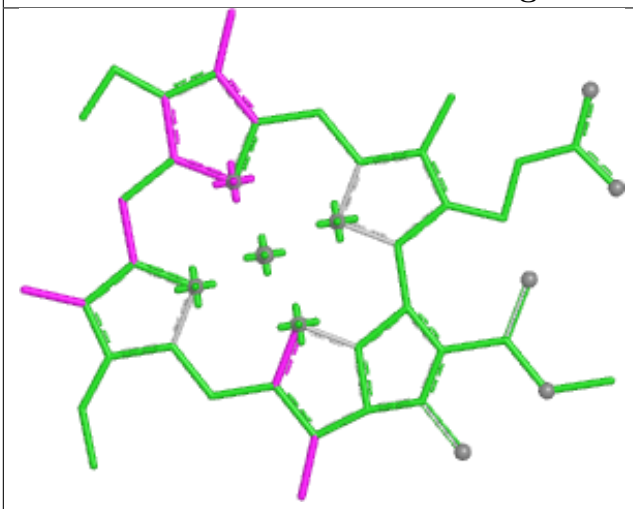


Torsions

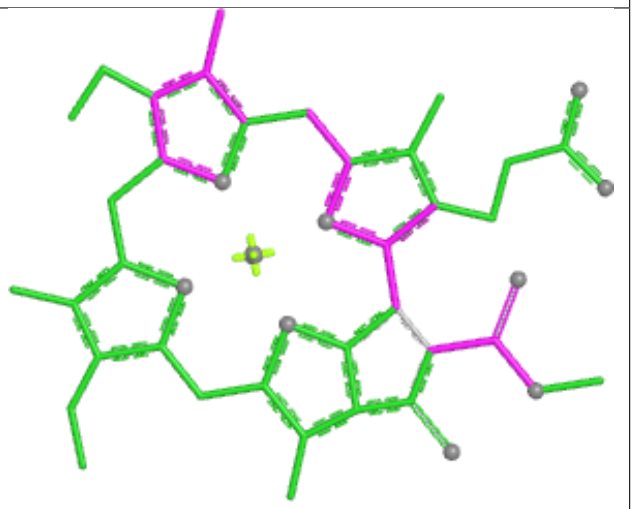


Rings

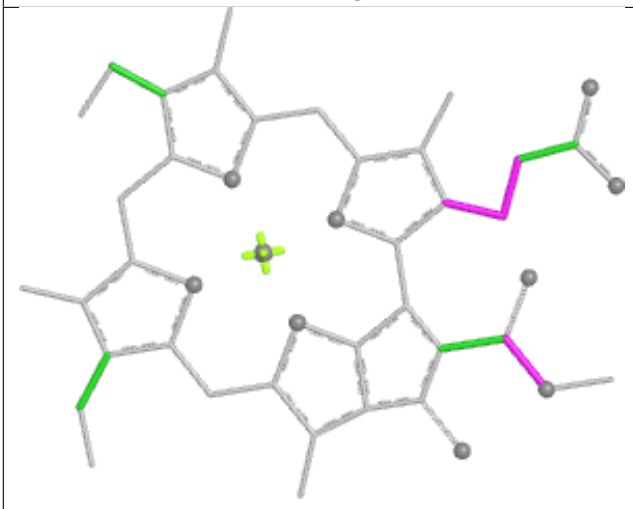
Ligand CLA a 1113



Bond lengths



Bond angles

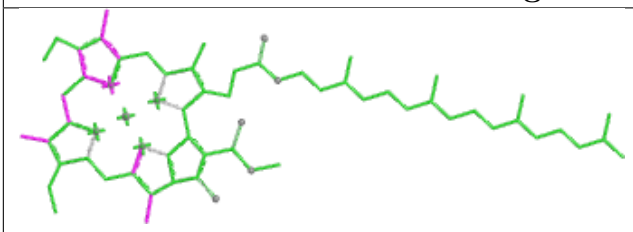


Torsions

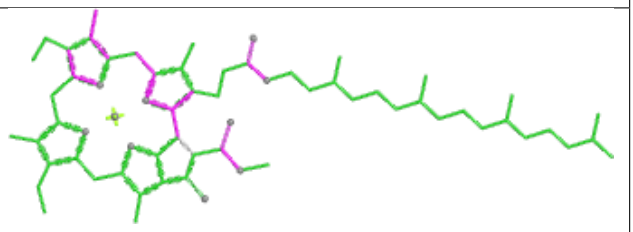


Rings

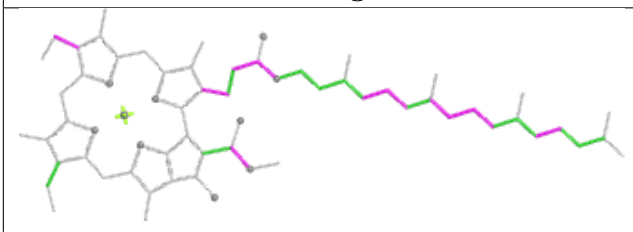
Ligand CLA Y 511



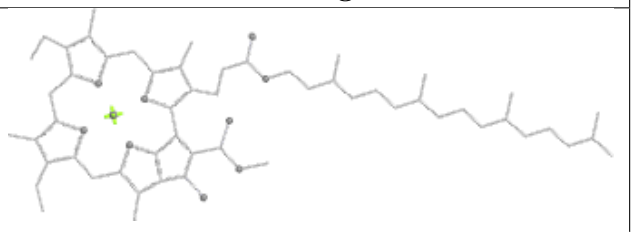
Bond lengths



Bond angles

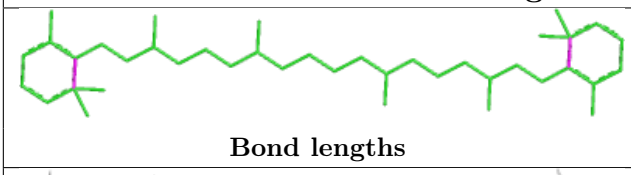


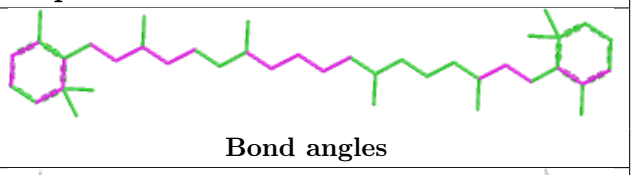
Torsions

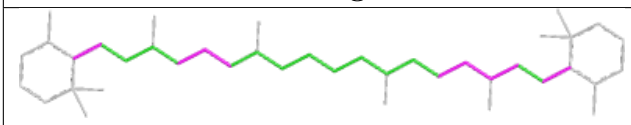


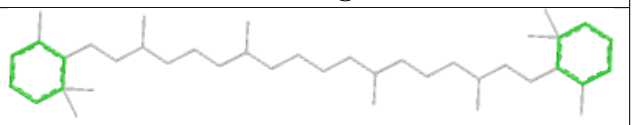
Rings

Ligand BCR p 602

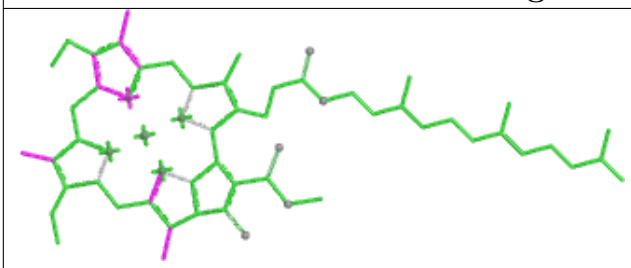

Bond lengths

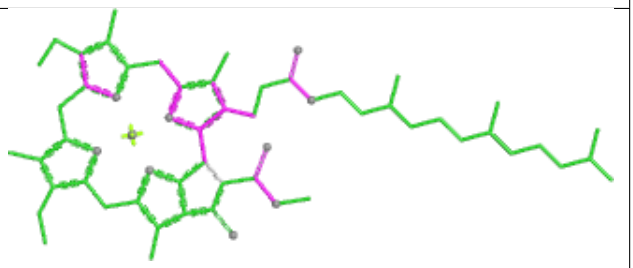

Bond angles

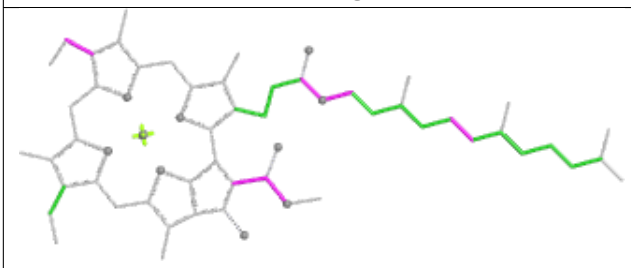

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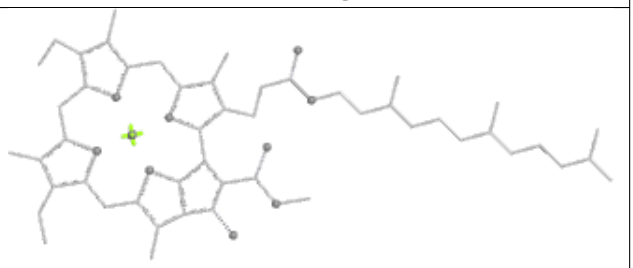

Rings

Ligand CLA u 506

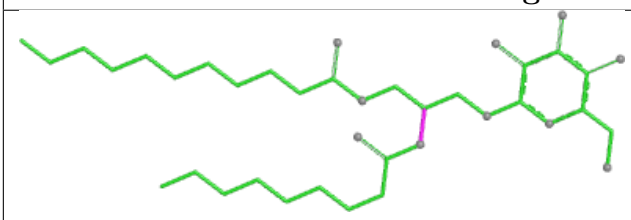

Bond lengths

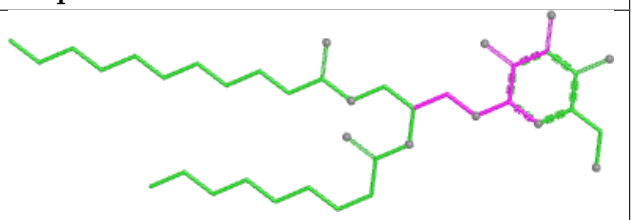

Bond angles

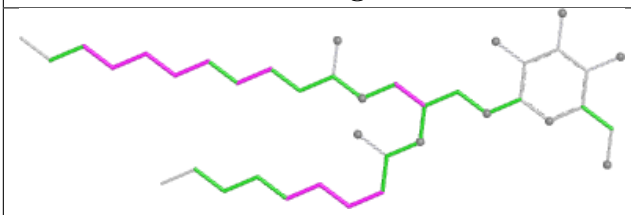

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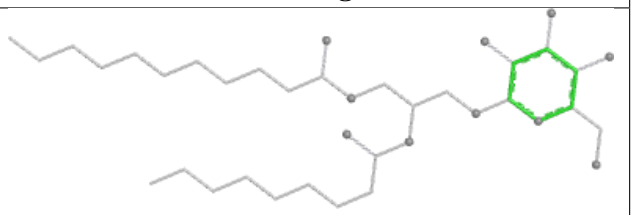

Rings

Ligand LMG p 701

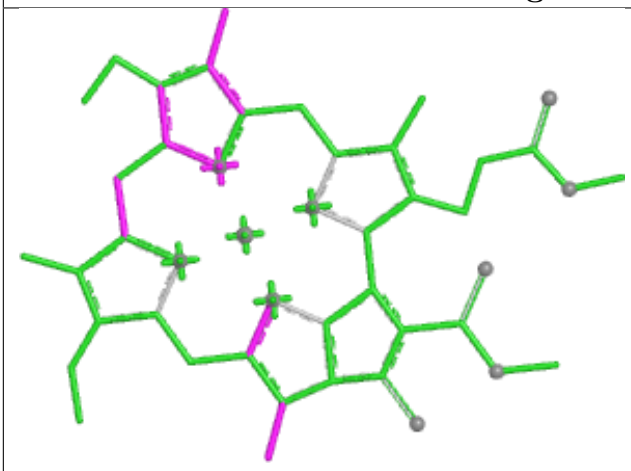

Bond lengths


Bond angles

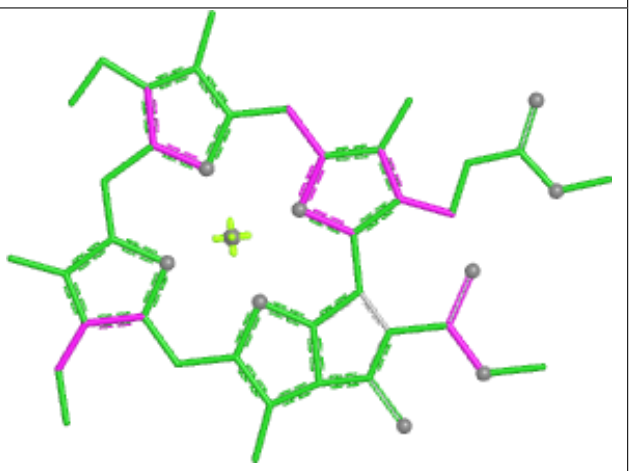

Torsions


Rings

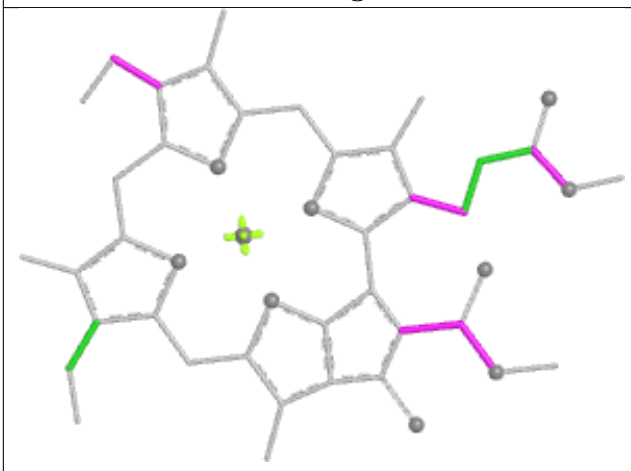
Ligand CLA Z 503



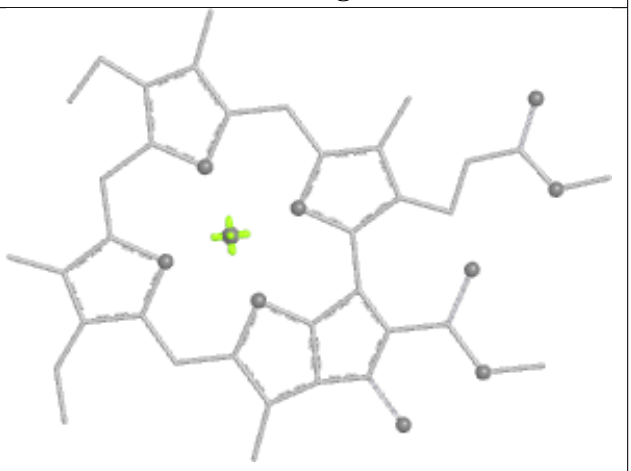
Bond lengths



Bond angles



Torsions

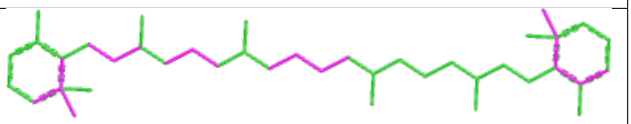


Rings

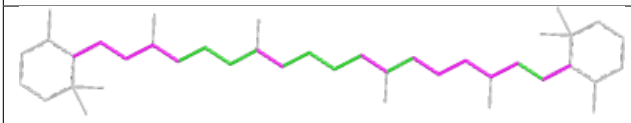
Ligand BCR H 4011



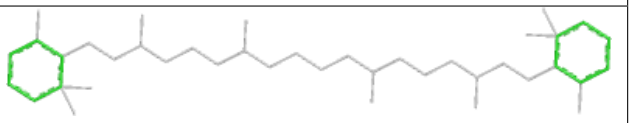
Bond lengths



Bond angles

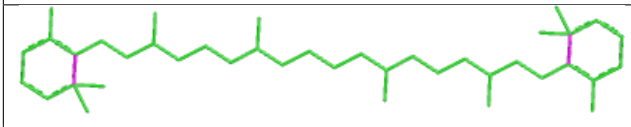


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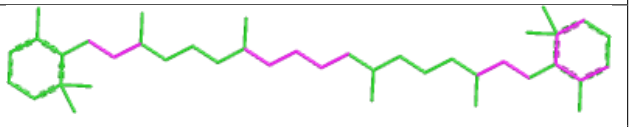


Rings

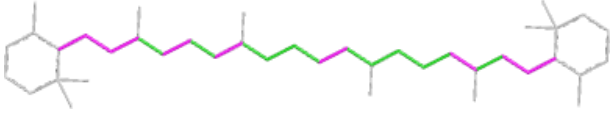
Ligand BCR v 604



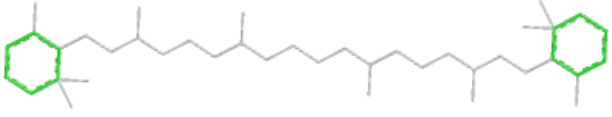
Bond lengths



Bond angles

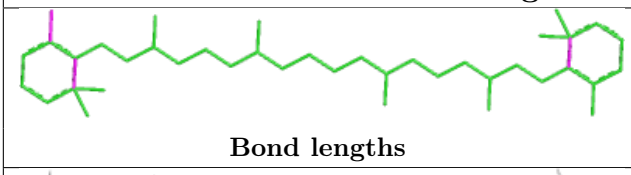


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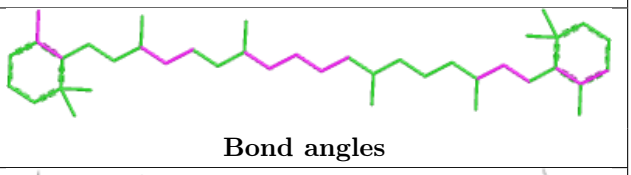


Rings

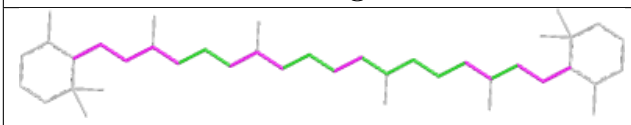
Ligand BCR i 4020



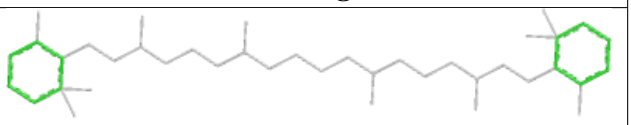
Bond lengths



Bond angles

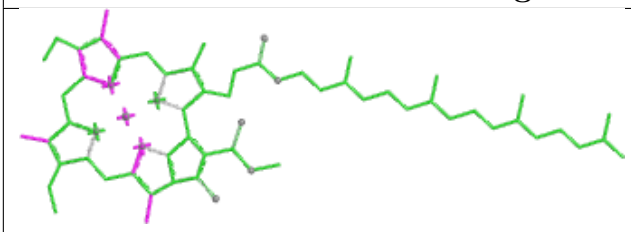


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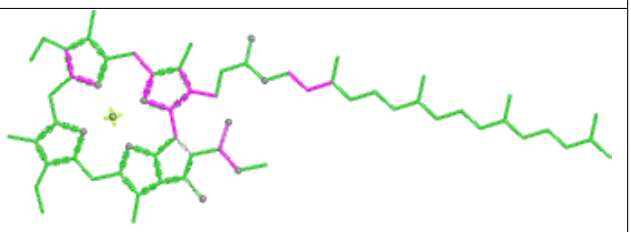


Rings

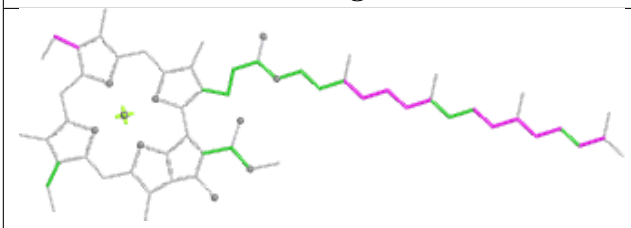
Ligand CLA G 1223



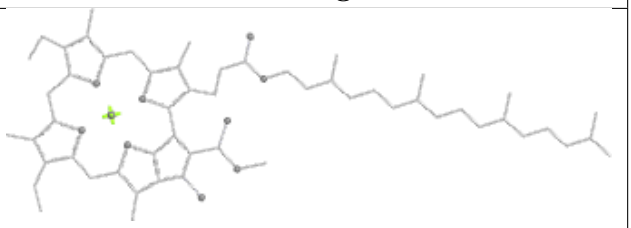
Bond lengths



Bond angles

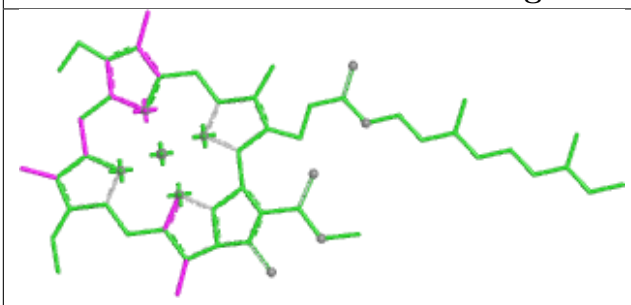


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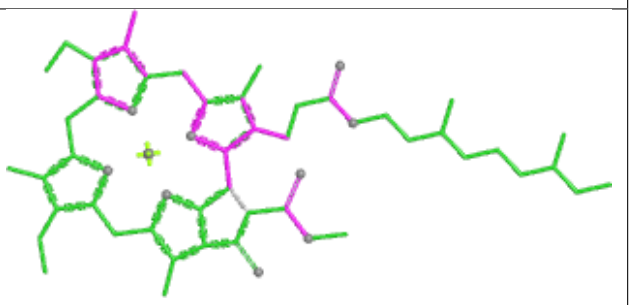


Rings

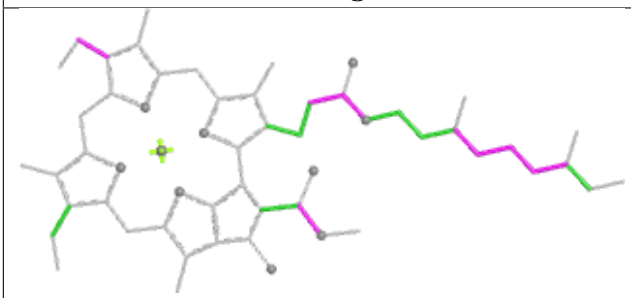
Ligand CLA w 509



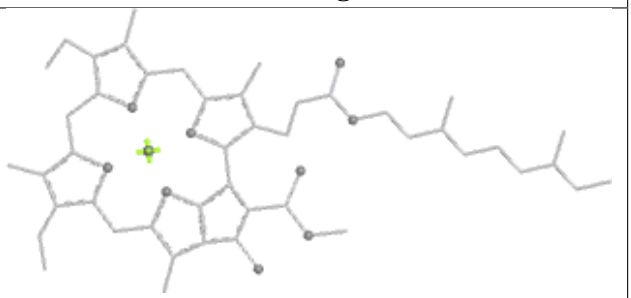
Bond lengths



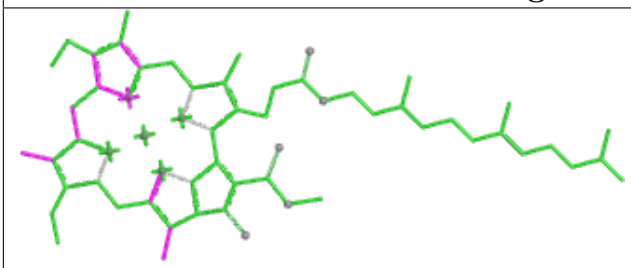
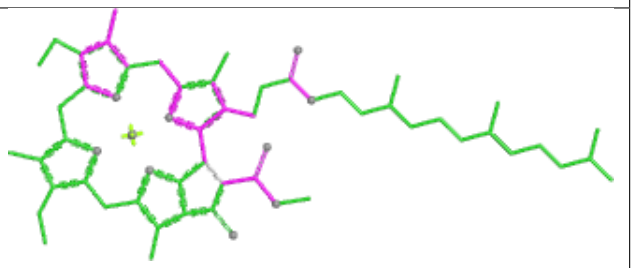
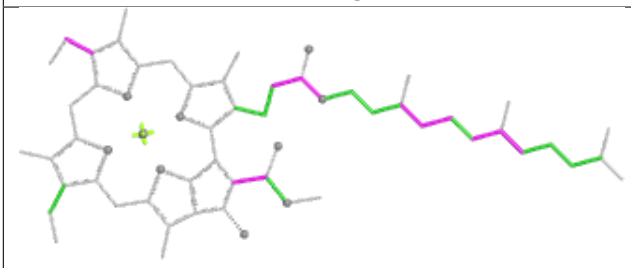
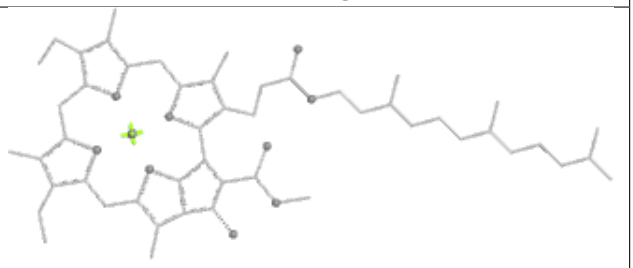
Bond angles

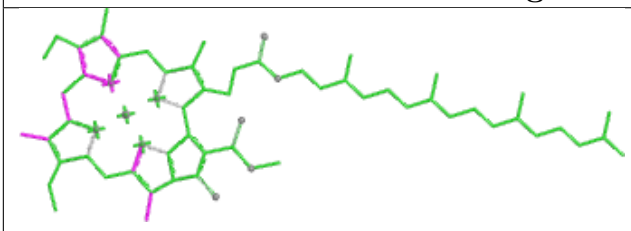
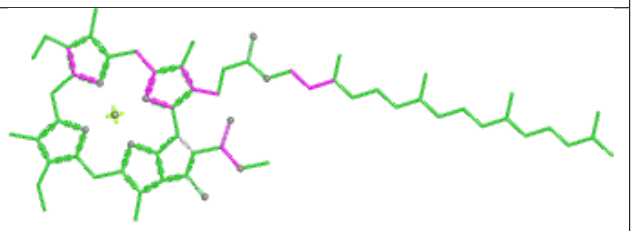
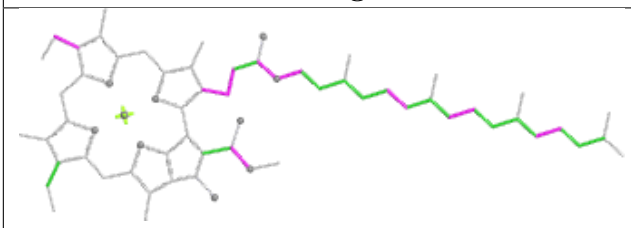
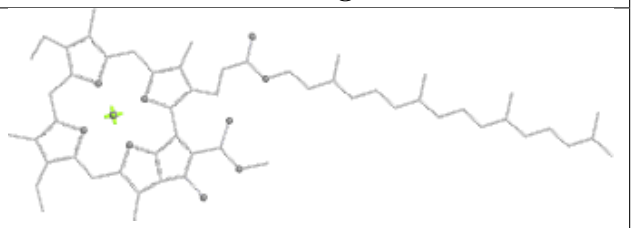


Torsions

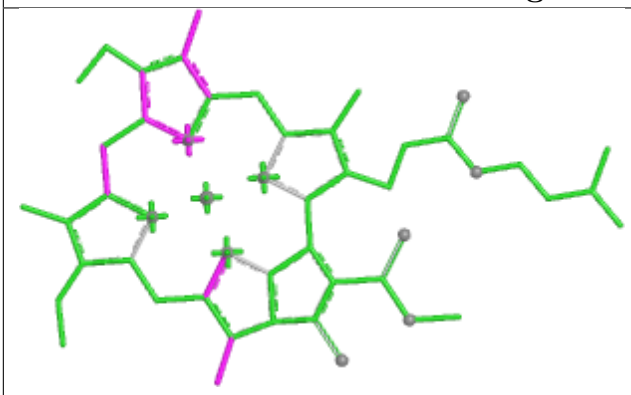


Rings

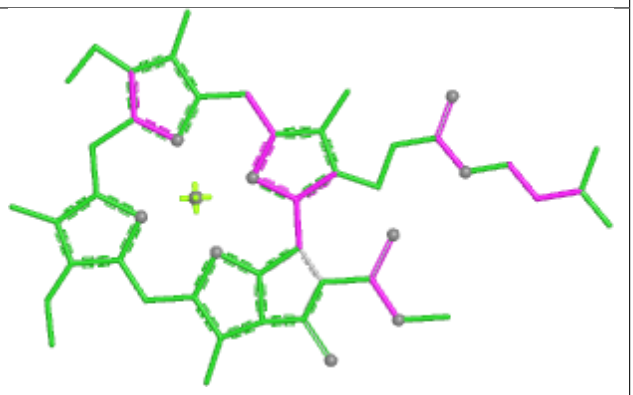
Ligand CLA v 510	
	
Bond lengths	**Bond angles**
	
Torsions	**Rings**

Ligand CLA Z 515	
	
Bond lengths	**Bond angles**
	
Torsions	**Rings**

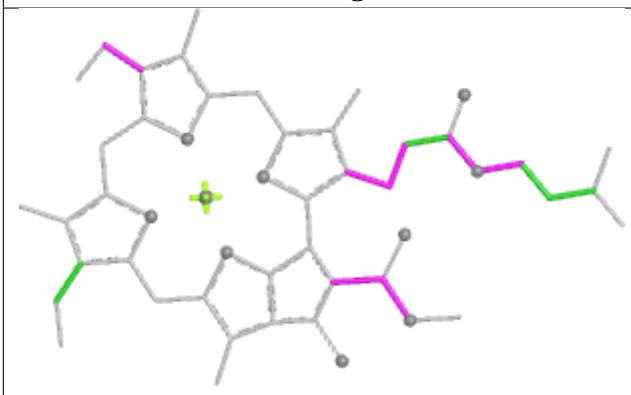
Ligand CLA Z 513



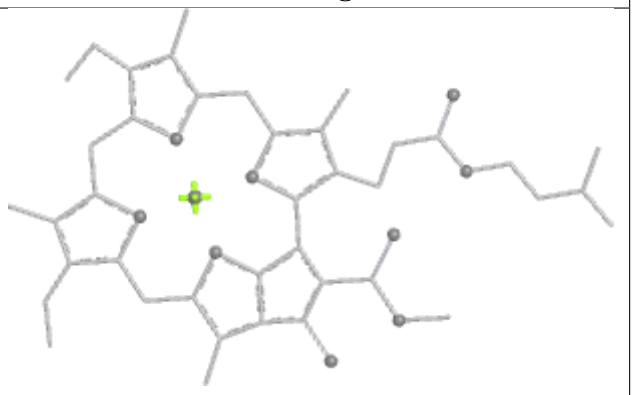
Bond lengths



Bond angles

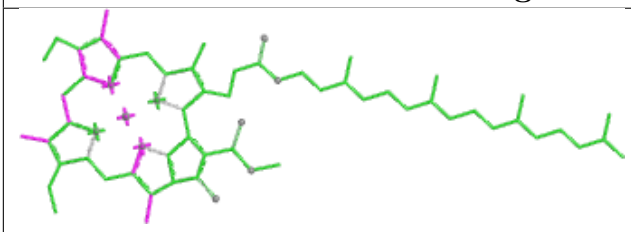


Torsions

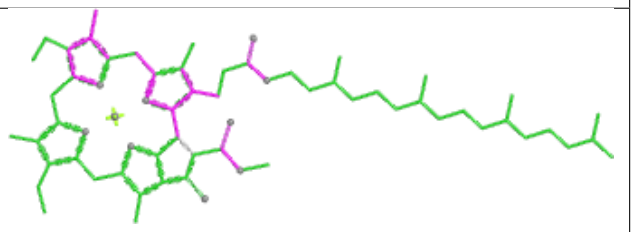


Rings

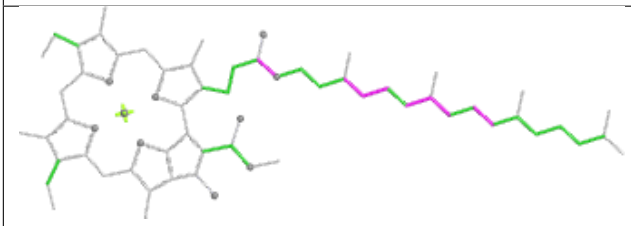
Ligand CLA H 1125



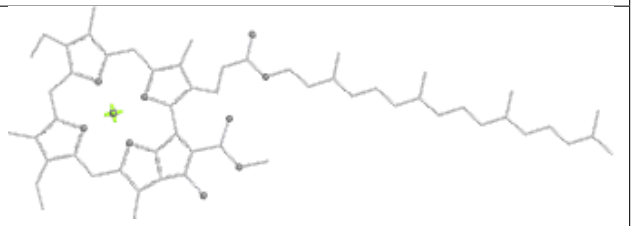
Bond lengths



Bond angles

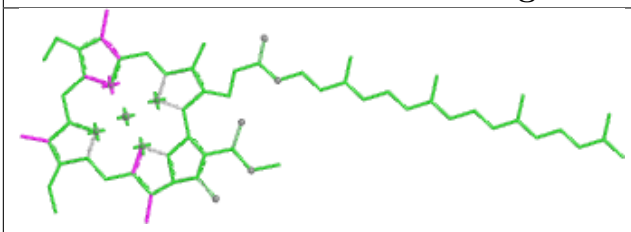


Torsions

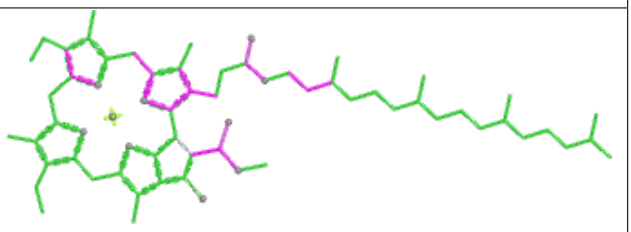


Rings

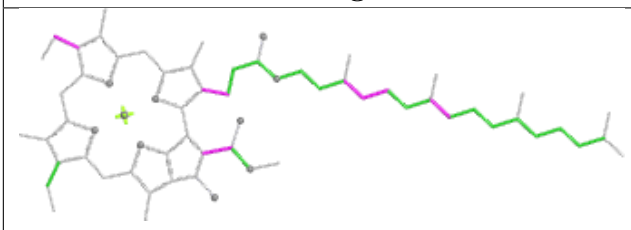
Ligand CLA b 1205



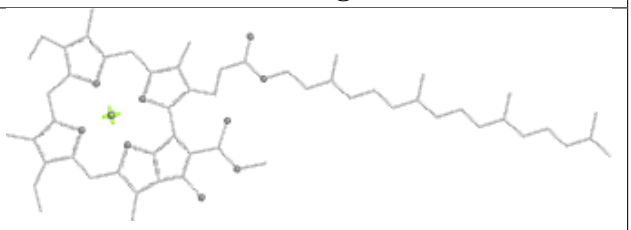
Bond lengths



Bond angles

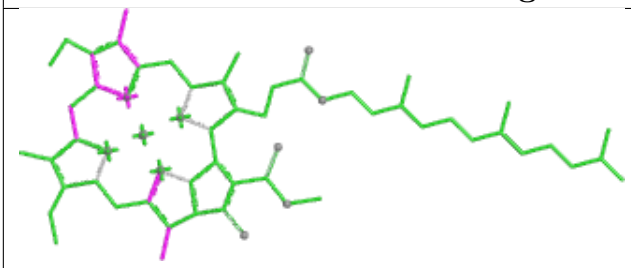


Torsions

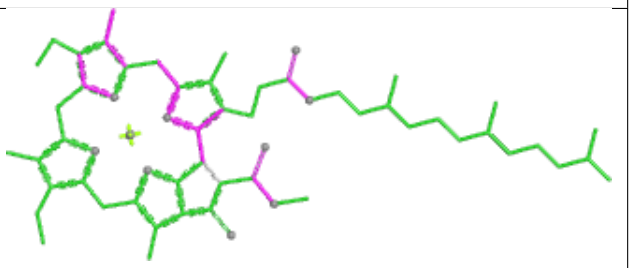


Rings

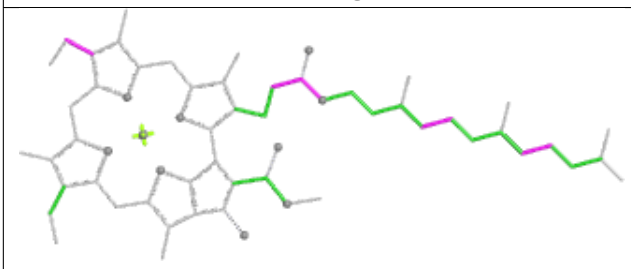
Ligand CLA W 504



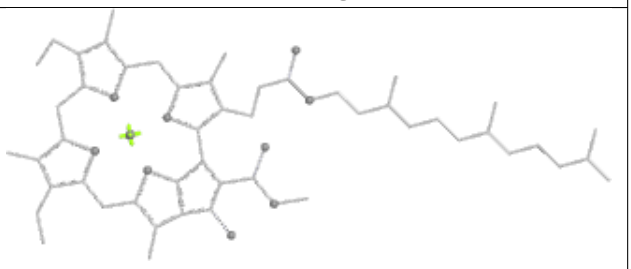
Bond lengths



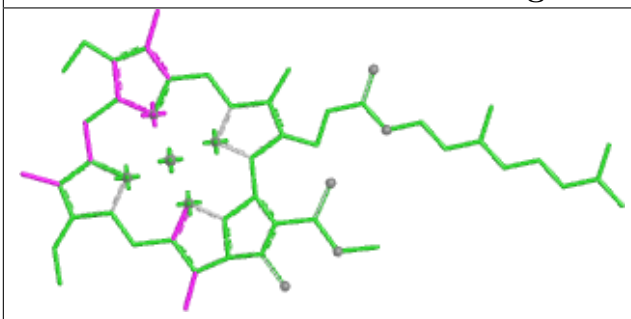
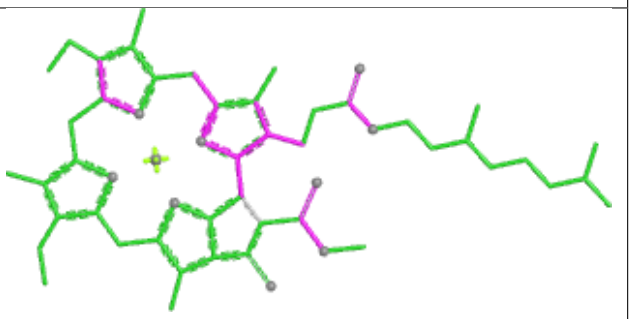
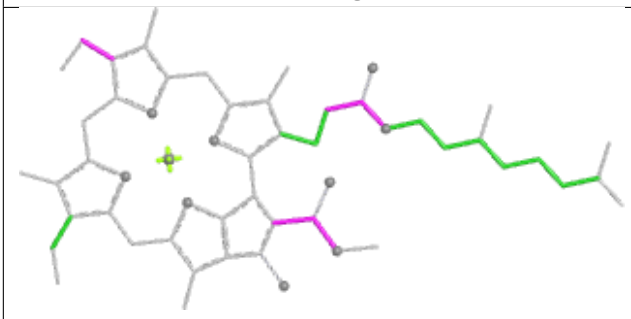
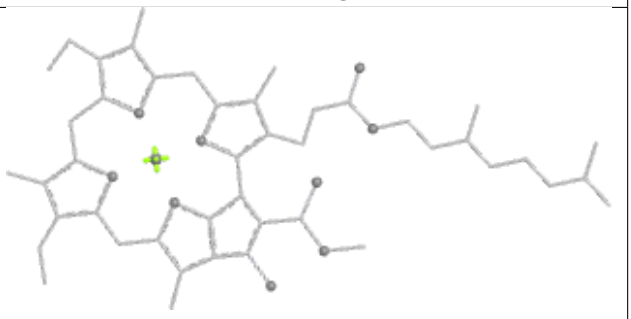
Bond angles

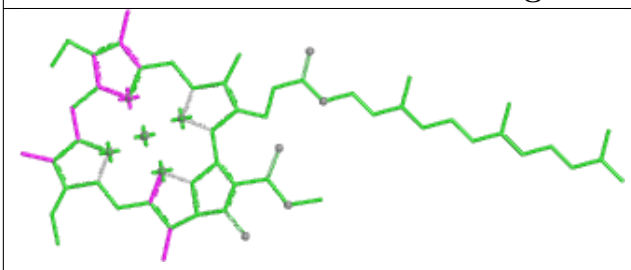
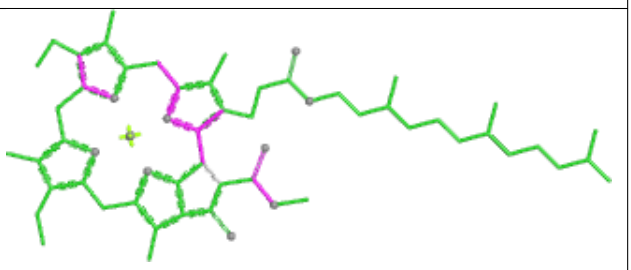
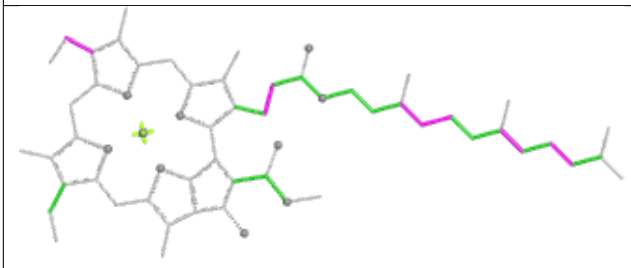
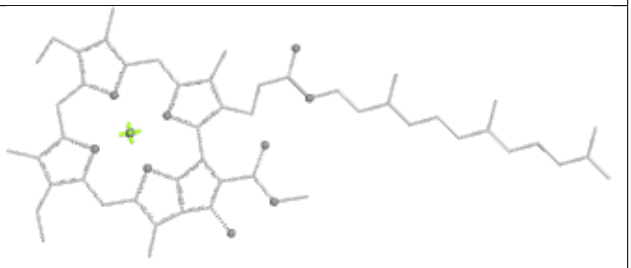


Torsions

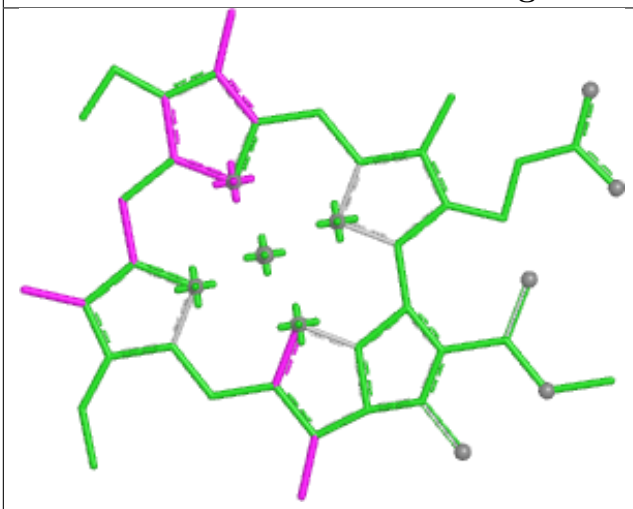


Rings

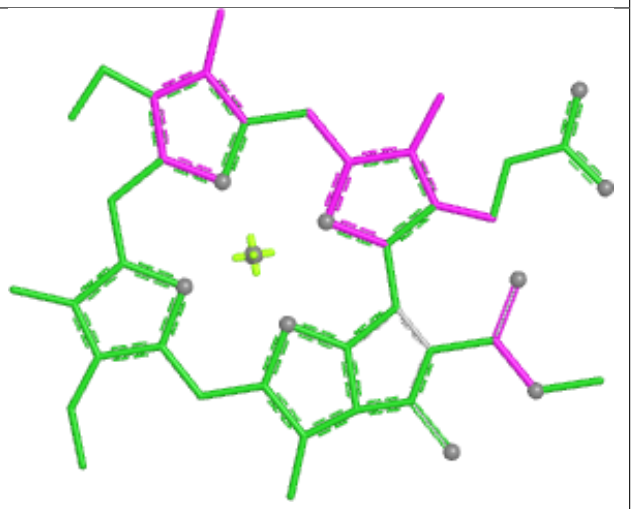
Ligand CLA h 517	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA w 504	
	
Bond lengths	Bond angles
	
Torsions	Rings

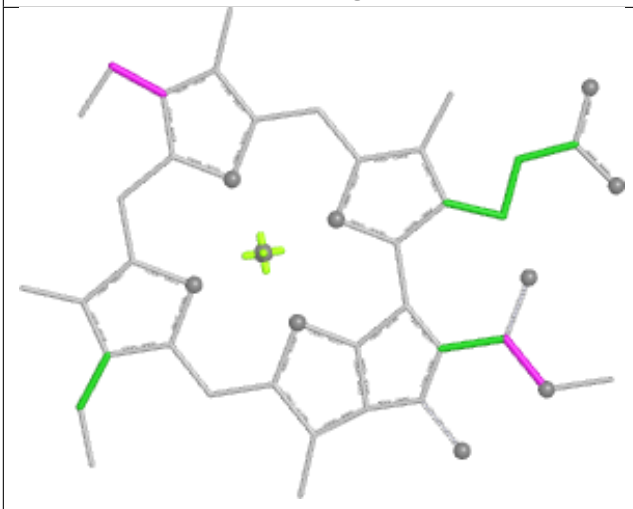
Ligand CLA b 1231



Bond lengths



Bond angles

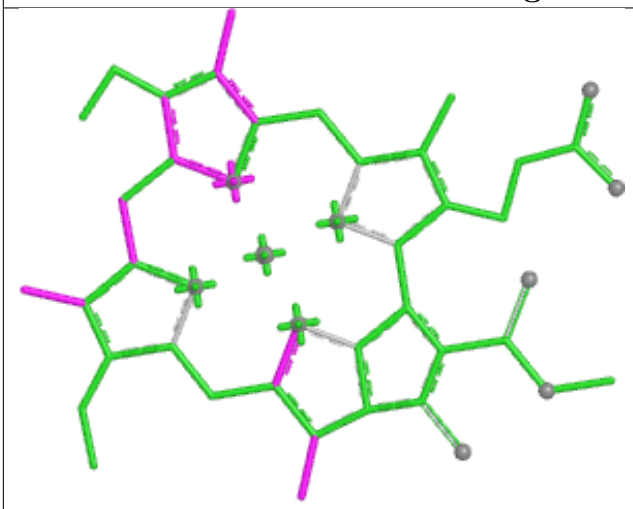


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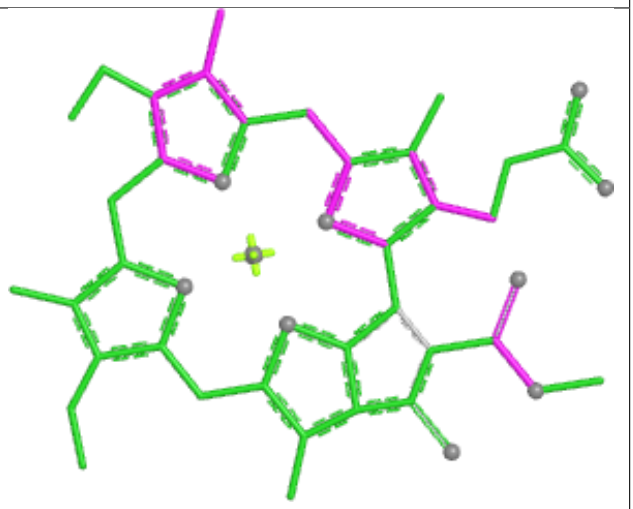


Rings

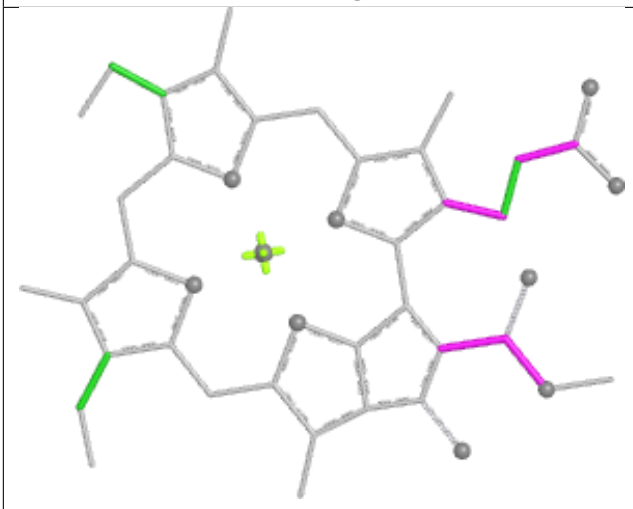
Ligand CLA Y 512



Bond lengths



Bond angles

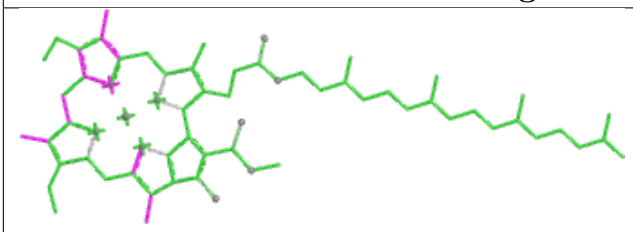


Torsions

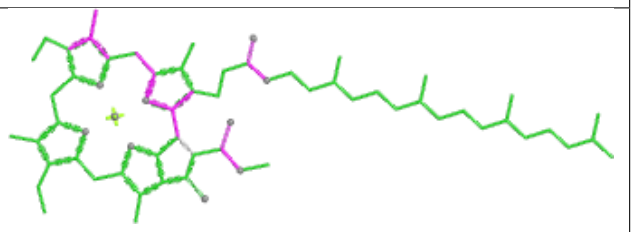


Rings

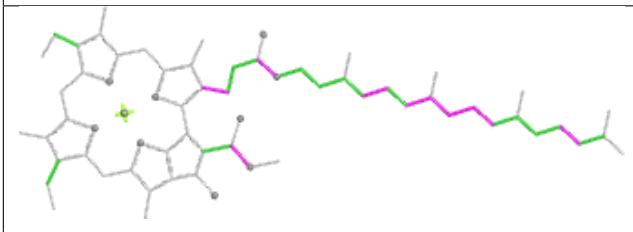
Ligand CLA W 511



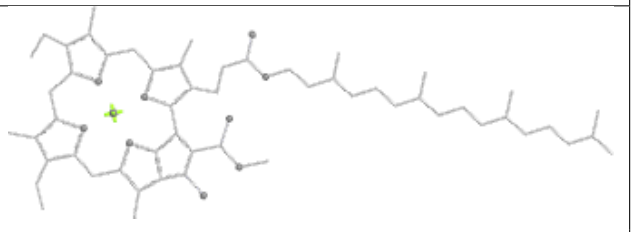
Bond lengths



Bond angles

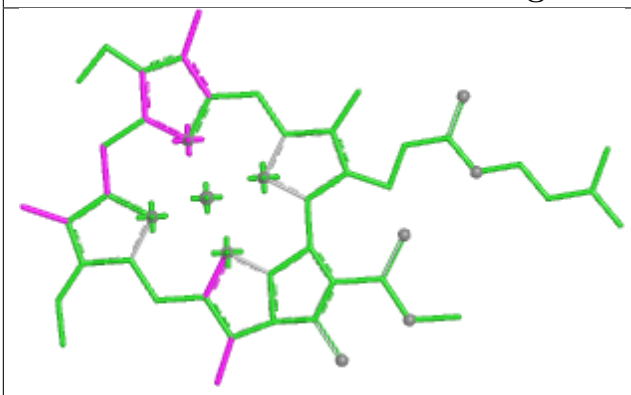


Torsions

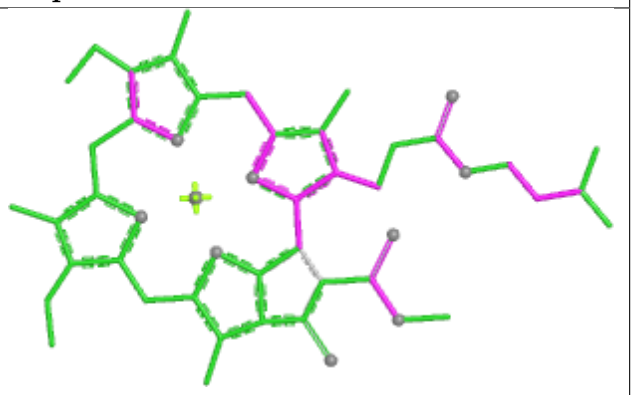


Rings

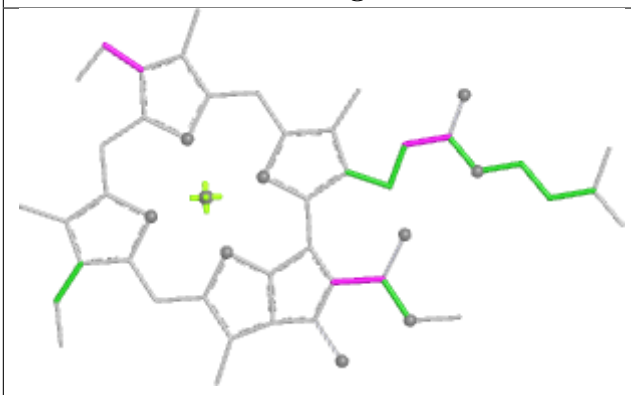
Ligand CLA p 514



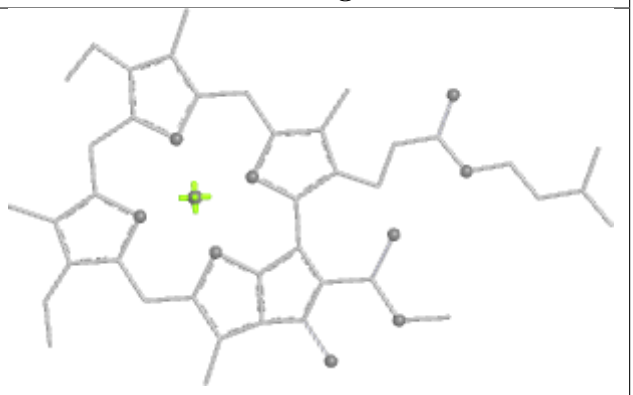
Bond lengths



Bond angles



Torsions

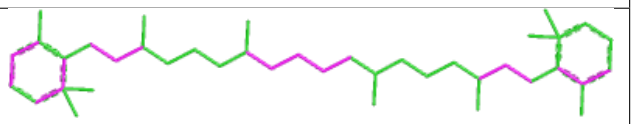


Rings

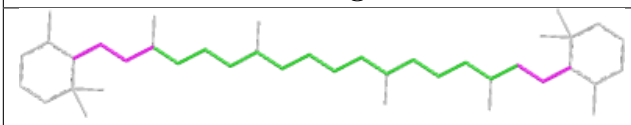
Ligand BCR W 603



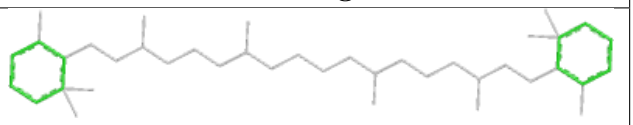
Bond lengths



Bond angles

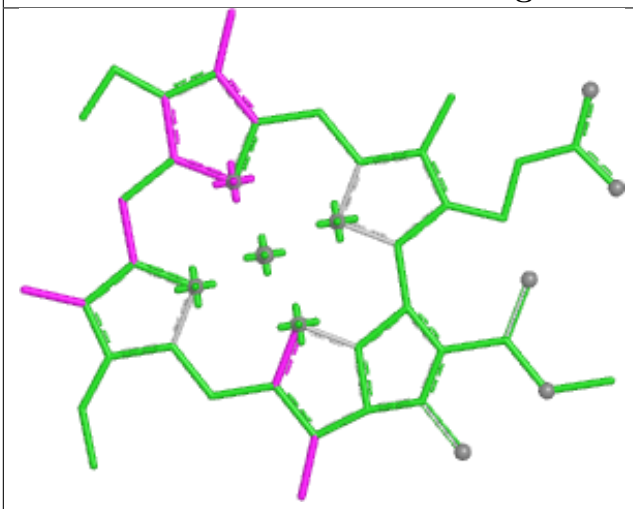


Torsions

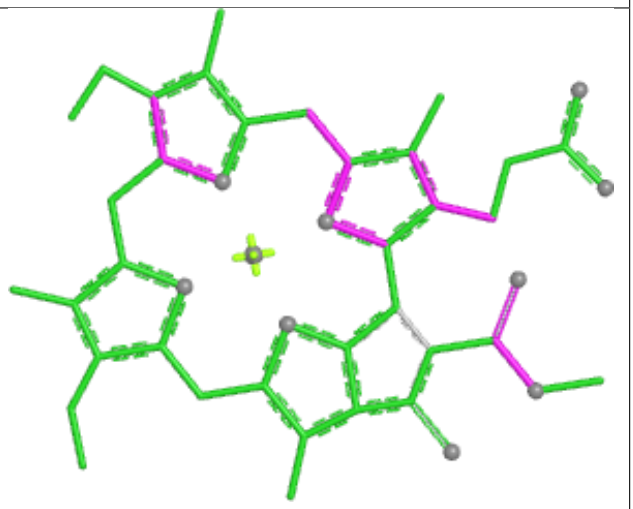


Rings

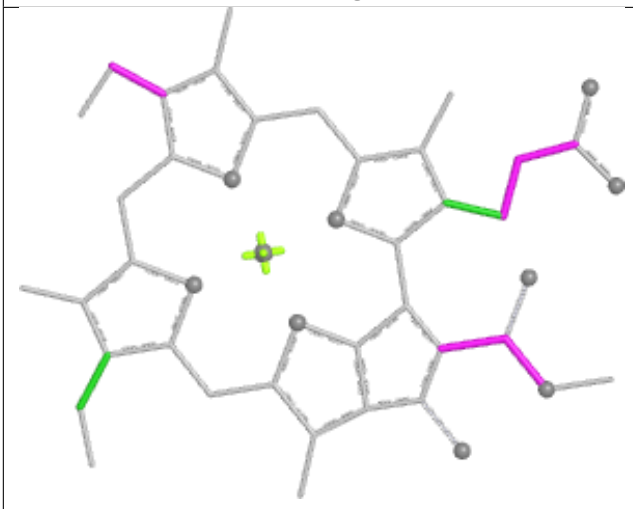
Ligand CLA B 1209



Bond lengths



Bond angles

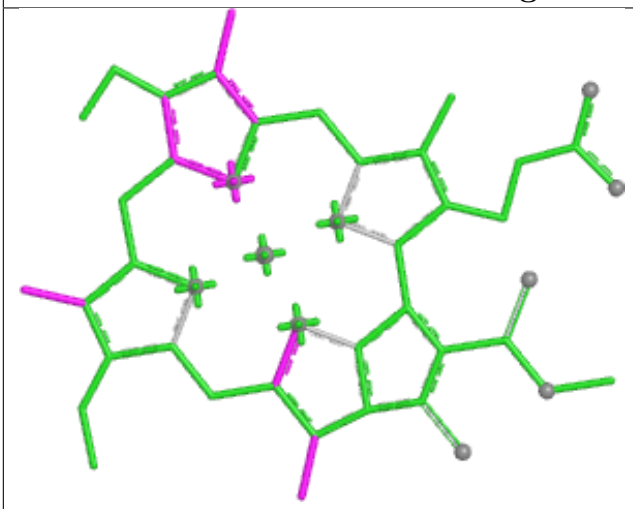


Torsions

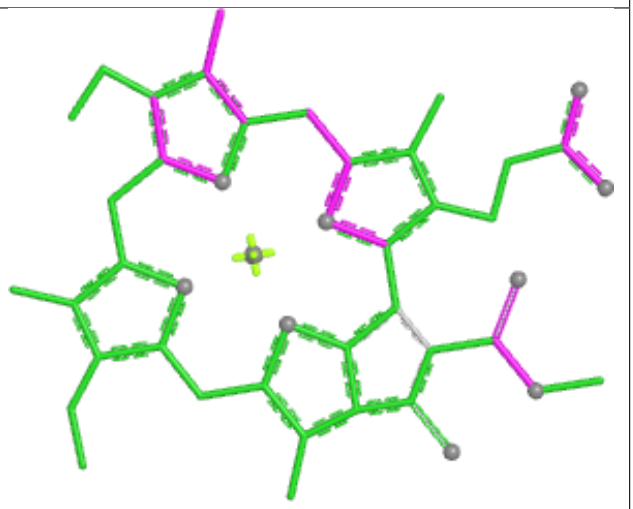


Rings

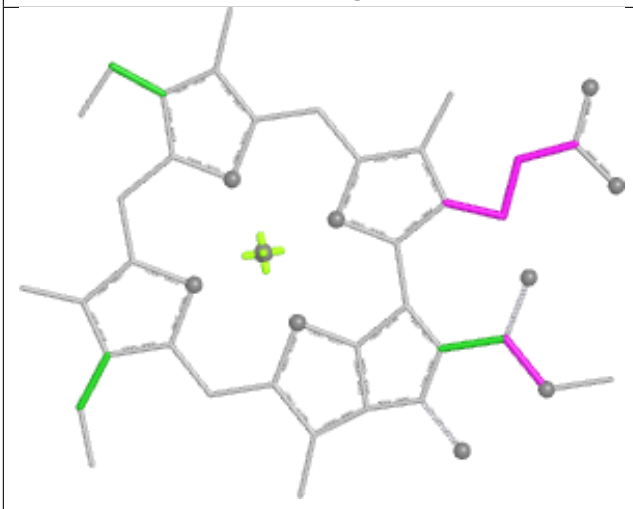
Ligand CLA a 1108



Bond lengths



Bond angles

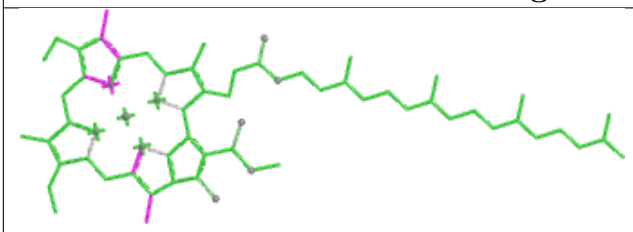


Torsions

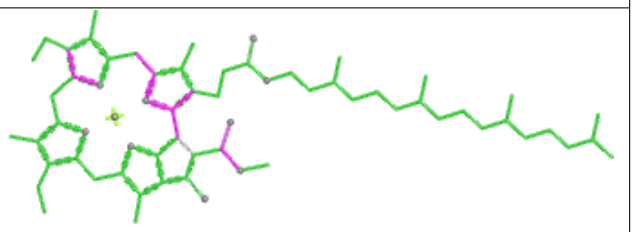


Rings

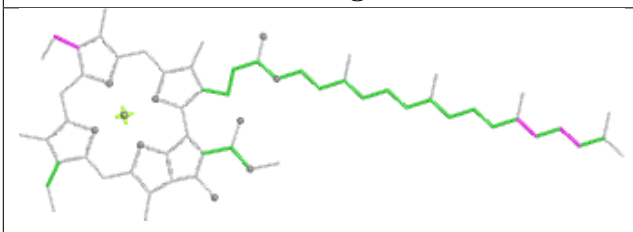
Ligand CLA t 510



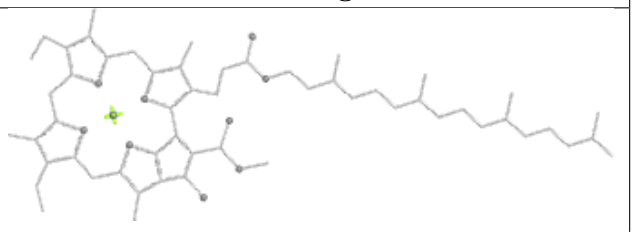
Bond lengths



Bond angles

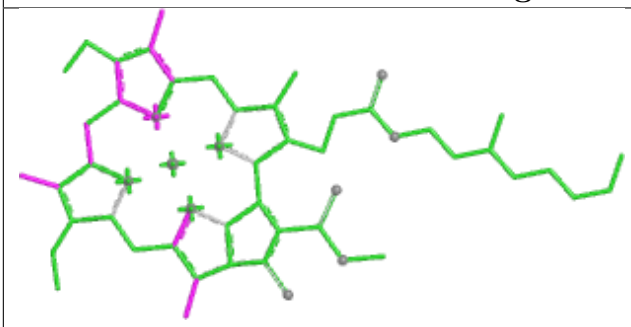


Torsions

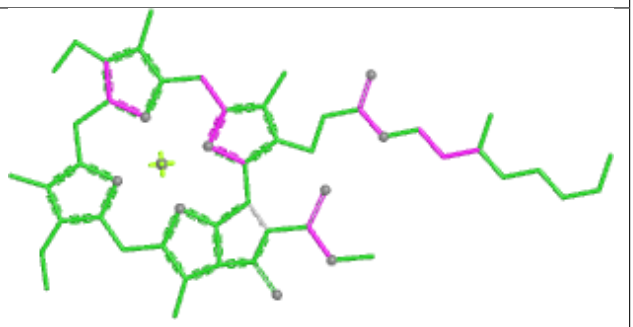


Rings

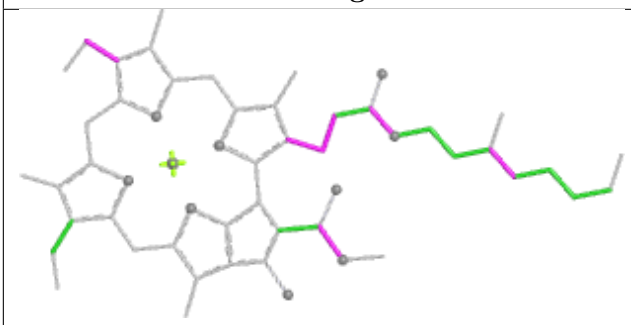
Ligand CLA H 1133



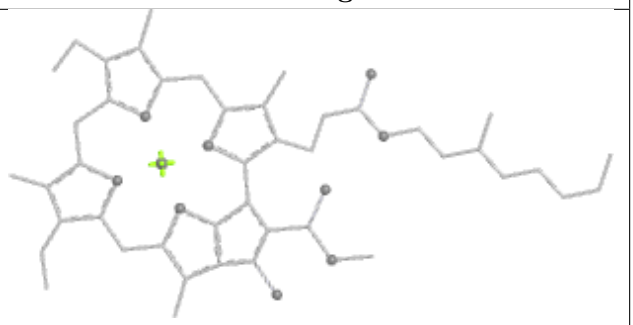
Bond lengths



Bond angles

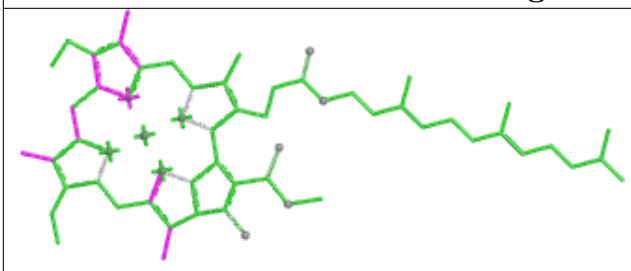


Torsions

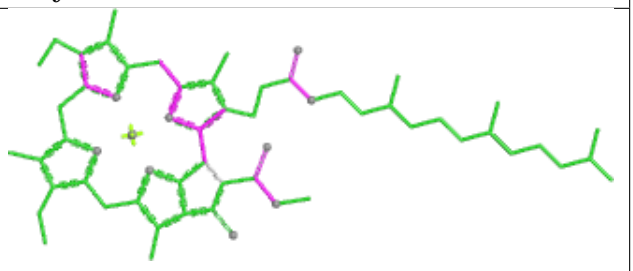


Rings

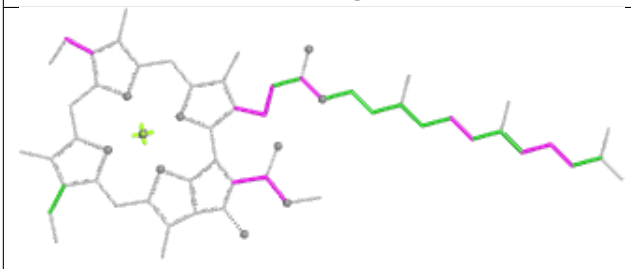
Ligand CLA y 504



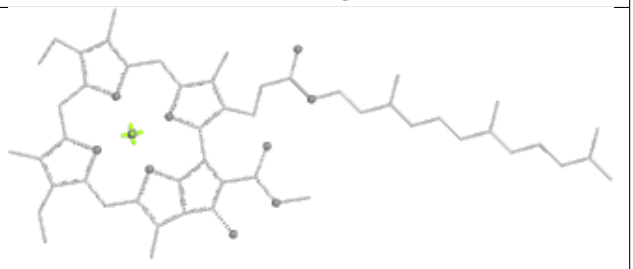
Bond lengths



Bond angles

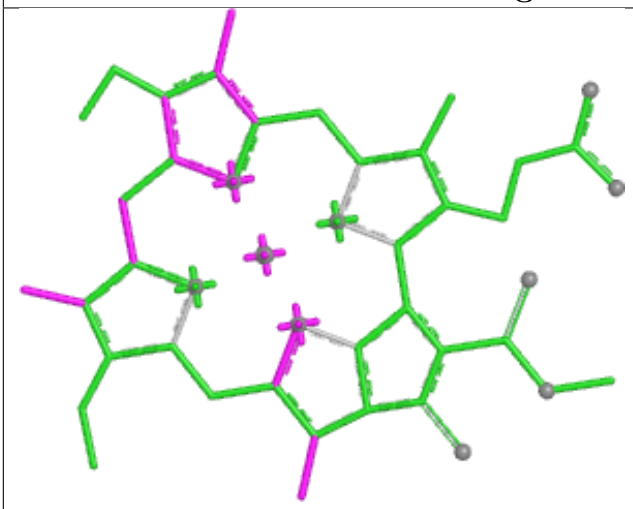


Torsions

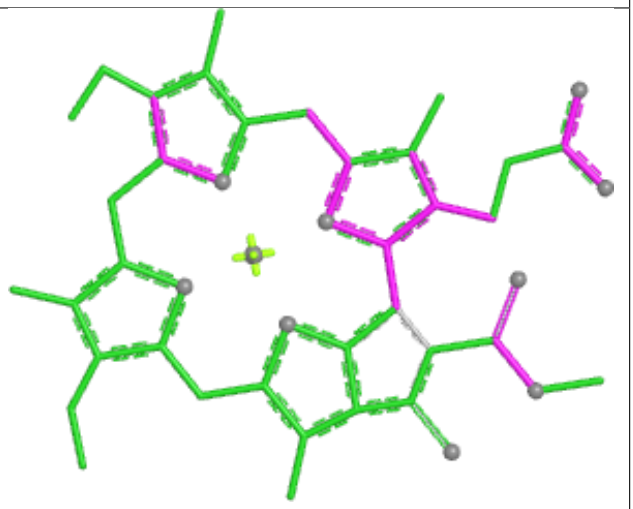


Rings

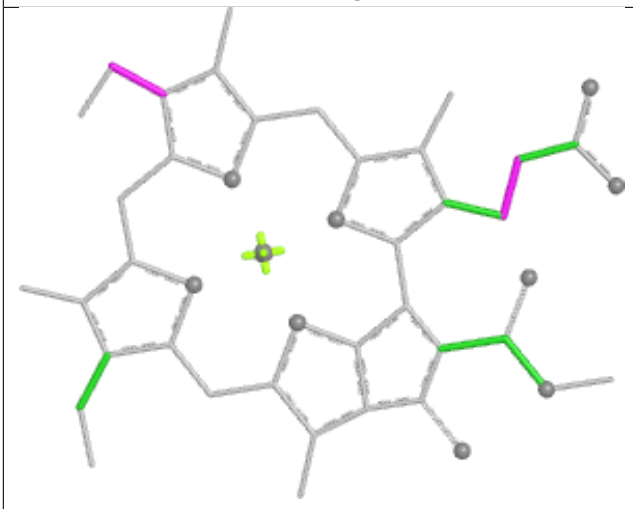
Ligand CLA T 1401



Bond lengths



Bond angles

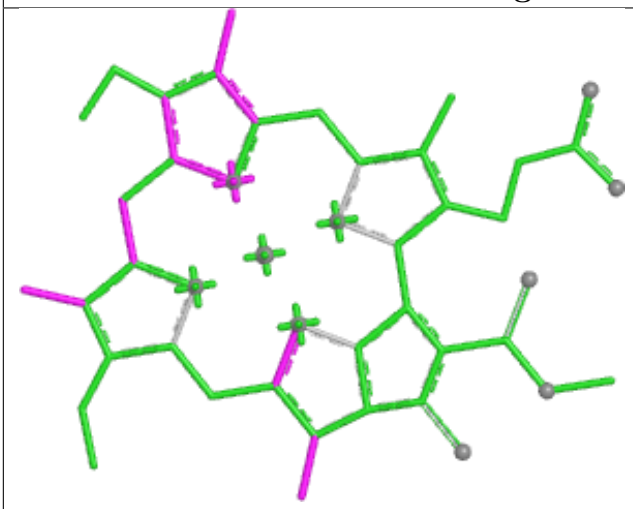


Torsions

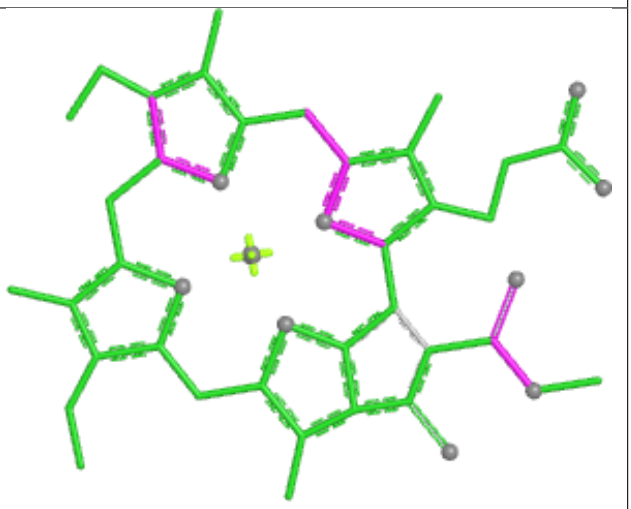


Rings

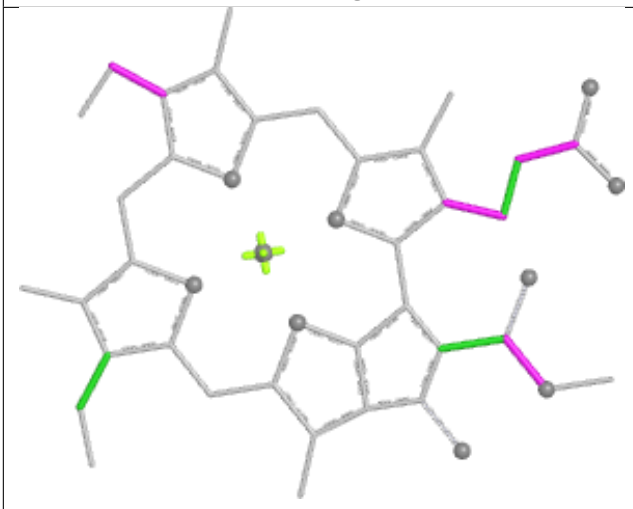
Ligand CLA G 1217



Bond lengths



Bond angles

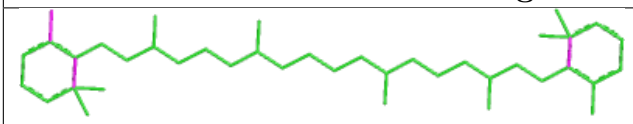


Torsions

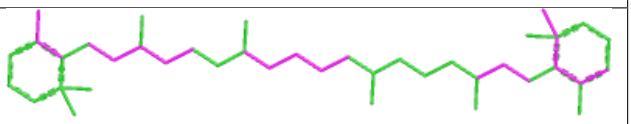


Rings

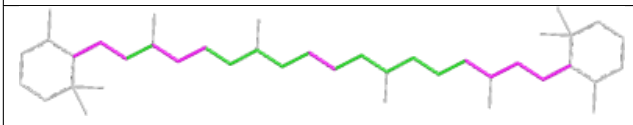
Ligand BCR S 4015



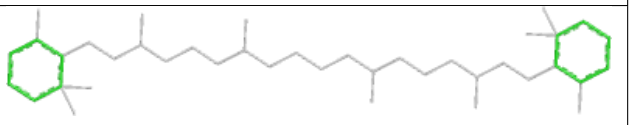
Bond lengths



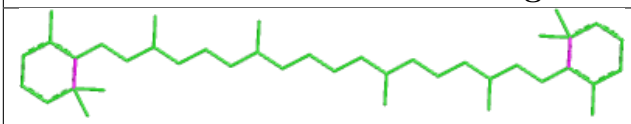
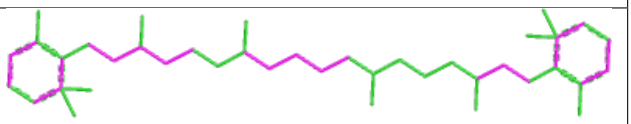
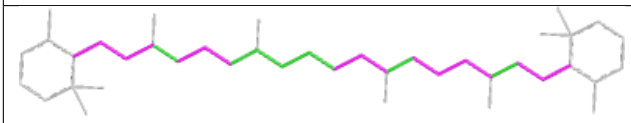
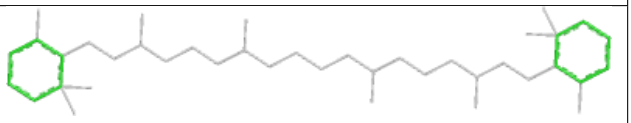
Bond angles

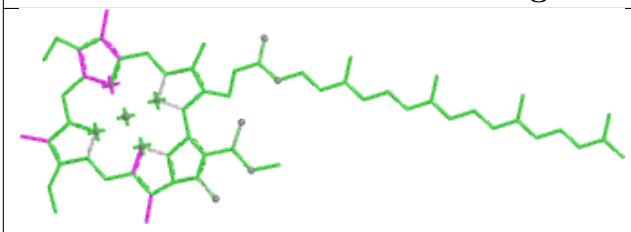
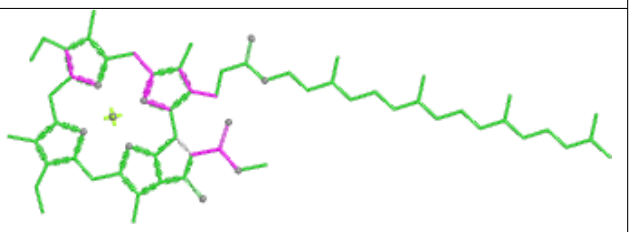
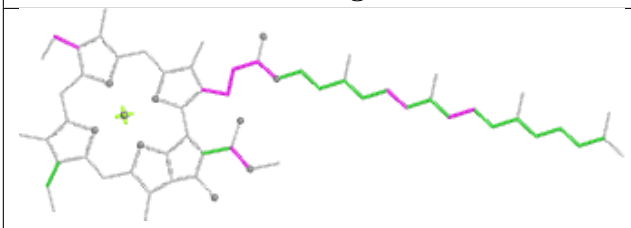
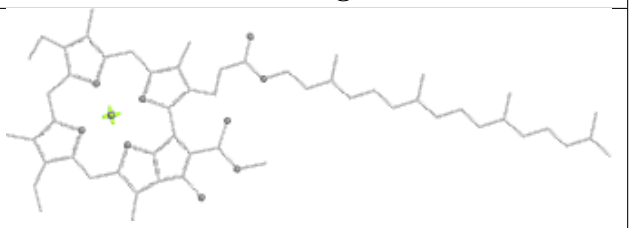


Torsions

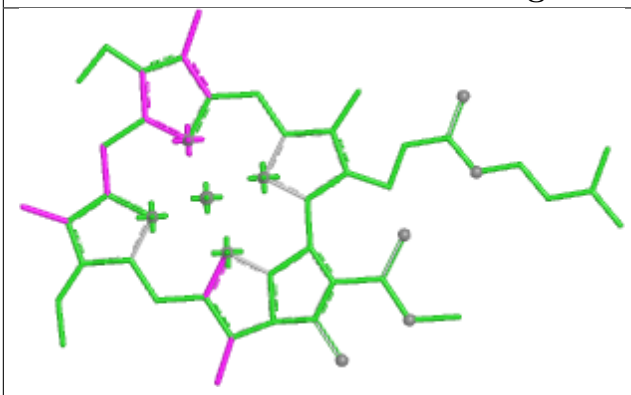


Rings

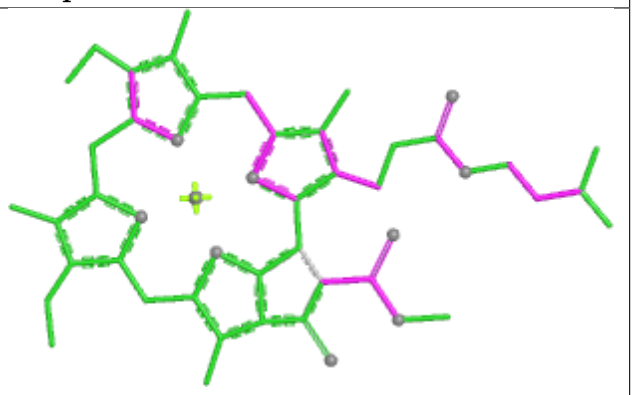
Ligand BCR Z 604	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CLA s 505	
 Bond lengths	 Bond angles
 Torsions	 Rings

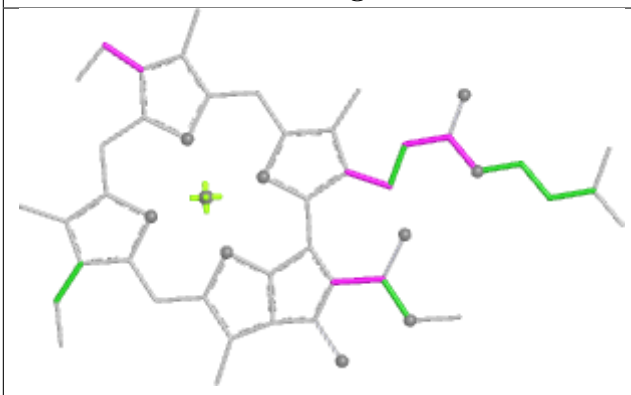
Ligand CLA q 502



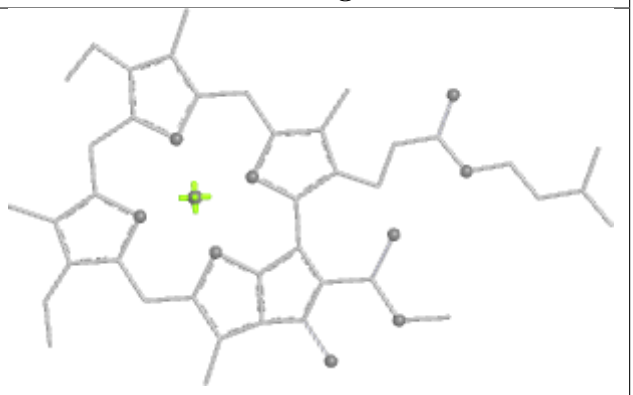
Bond lengths



Bond angles



Torsions

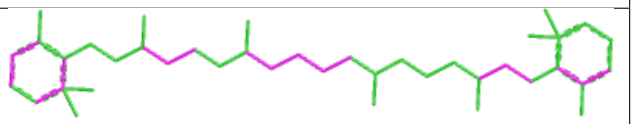


Rings

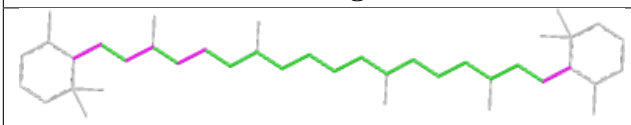
Ligand BCR r 603



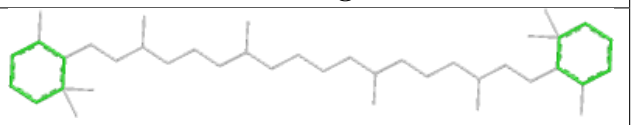
Bond lengths



Bond angles

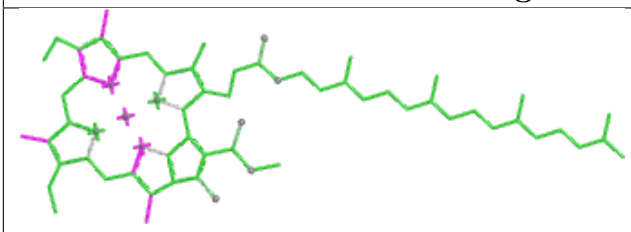


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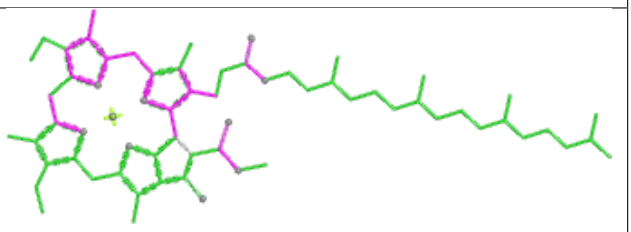


Rings

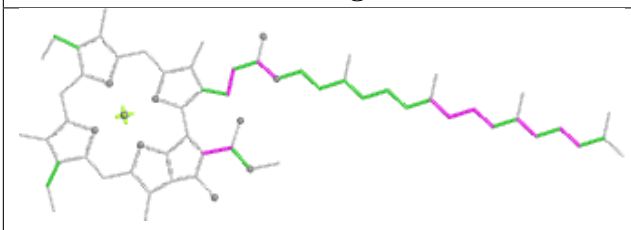
Ligand CLA A 1128



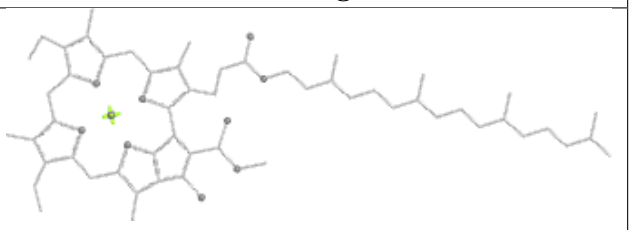
Bond lengths



Bond angles

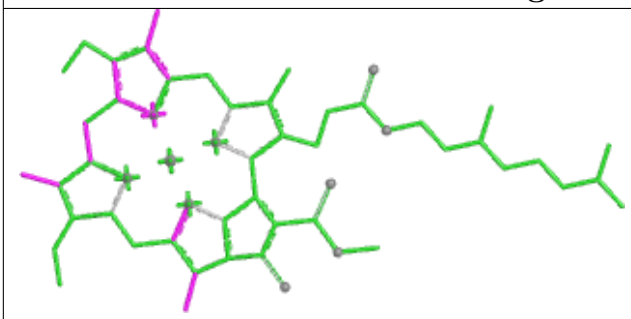


Torsions

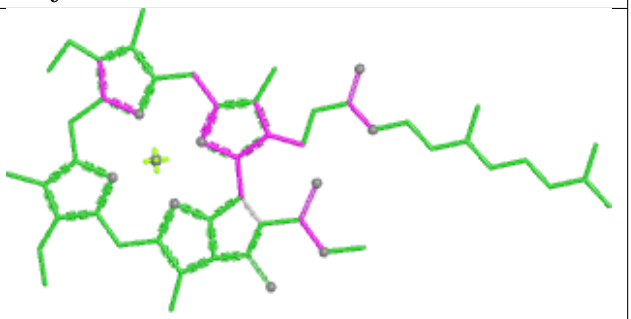


Rings

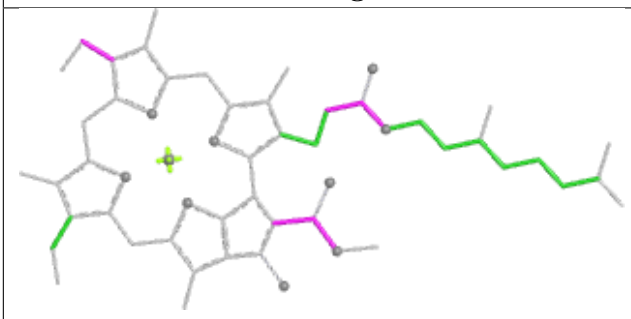
Ligand CLA y 517



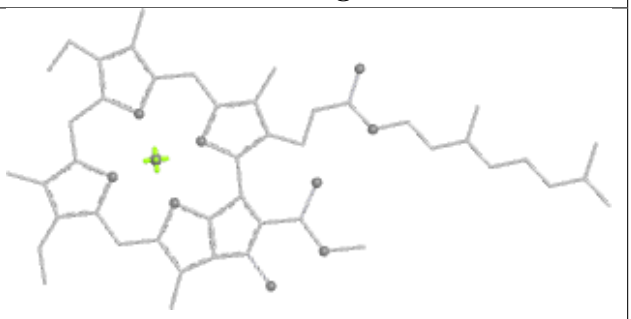
Bond lengths



Bond angles

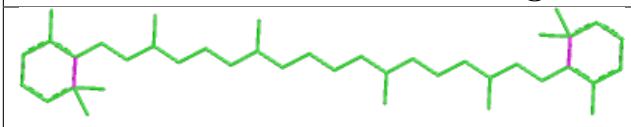


Torsions

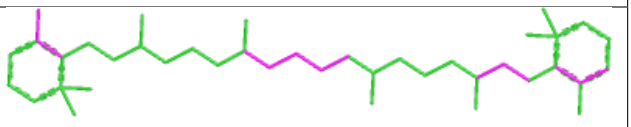


Rings

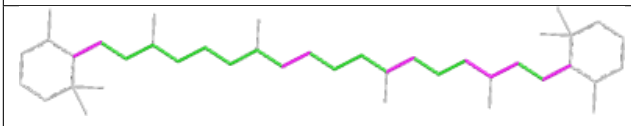
Ligand BCR v 602



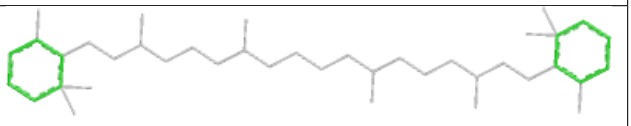
Bond lengths



Bond angles

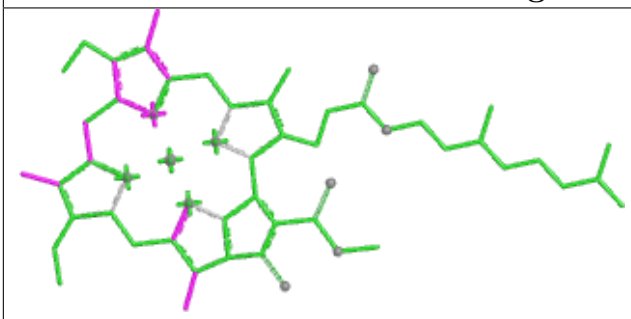


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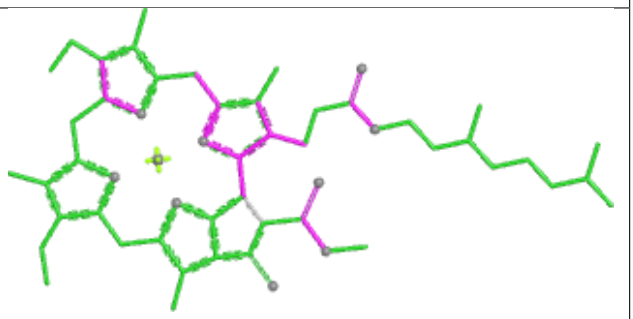


Rings

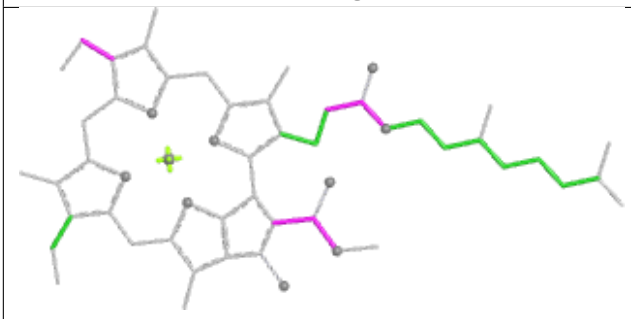
Ligand CLA v 517



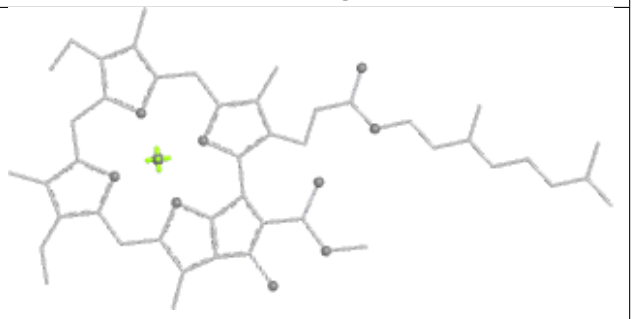
Bond lengths



Bond angles

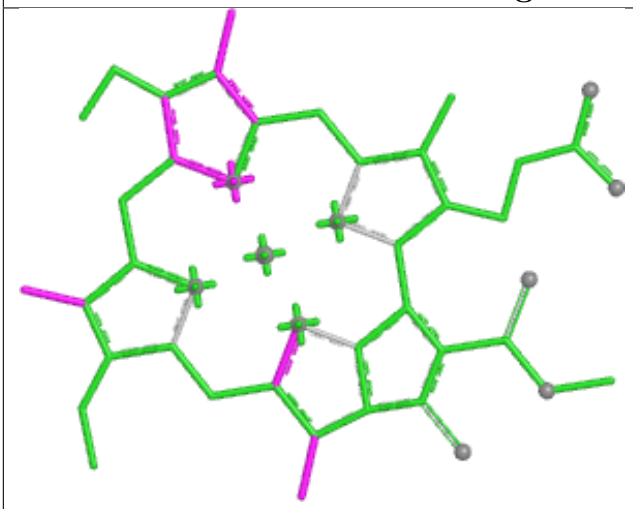


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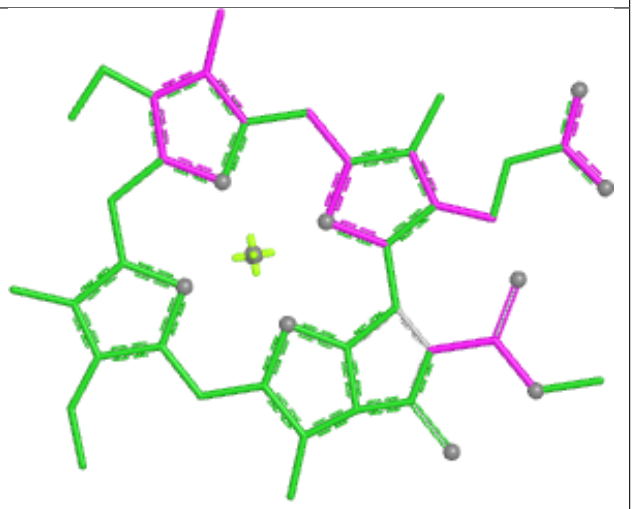


Rings

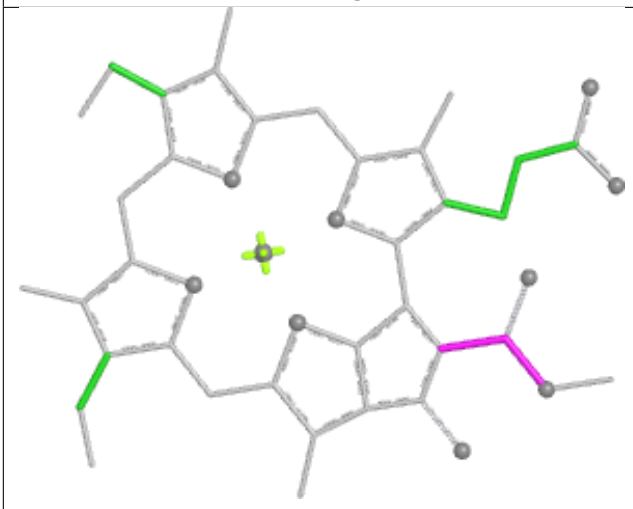
Ligand CLA B 1230



Bond lengths



Bond angles

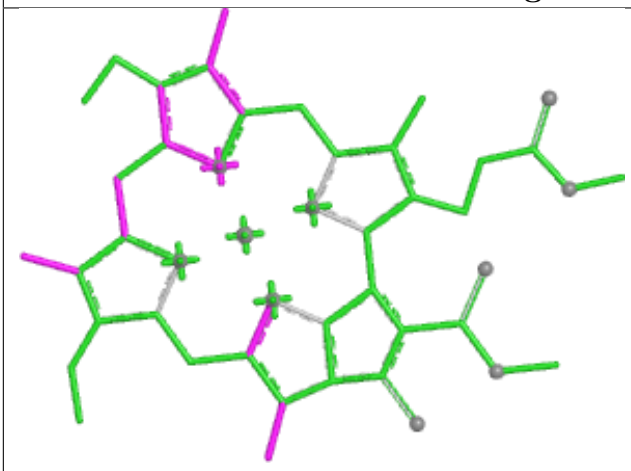


Torsions

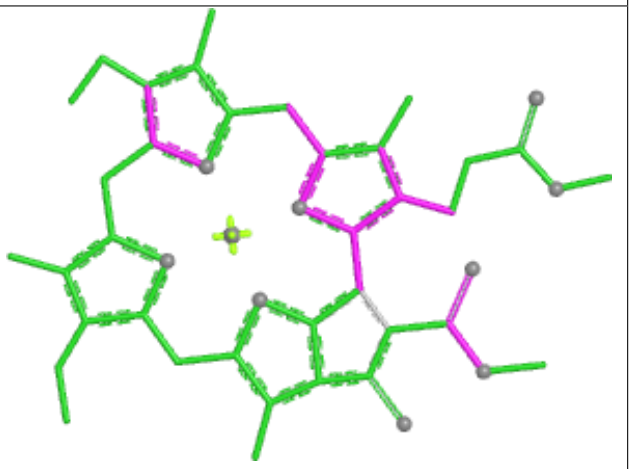


Rings

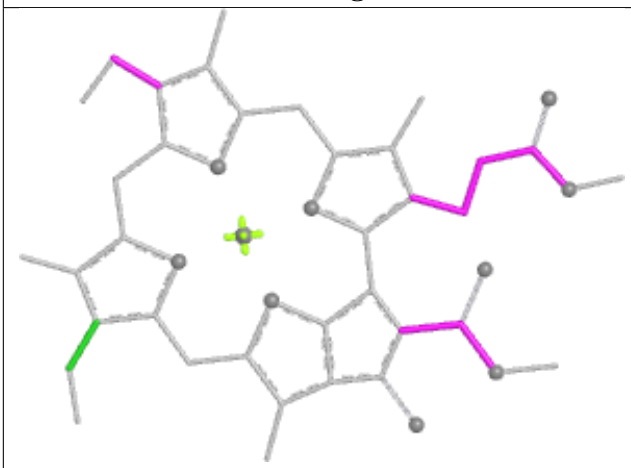
Ligand CLA w 503



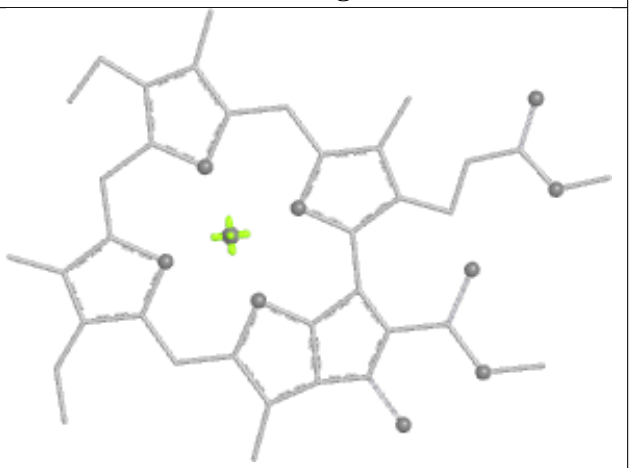
Bond lengths



Bond angles



Torsions

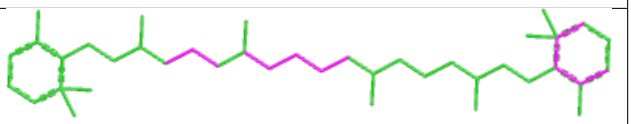


Rings

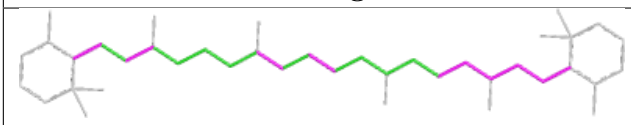
Ligand BCR B 4014



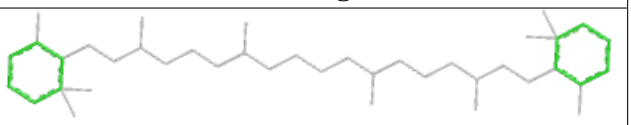
Bond lengths



Bond angles

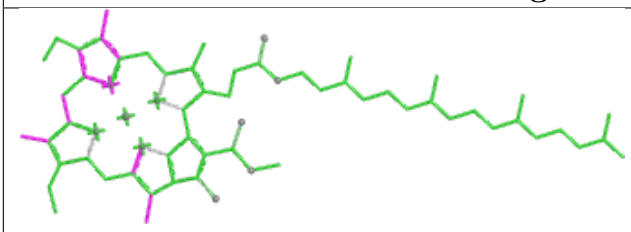


Torsions

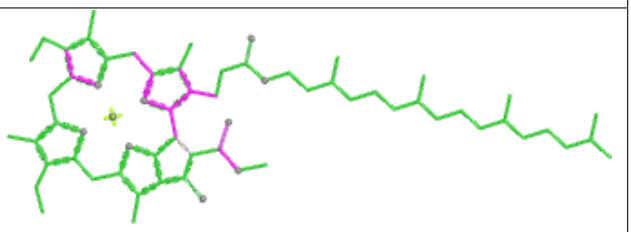


Rings

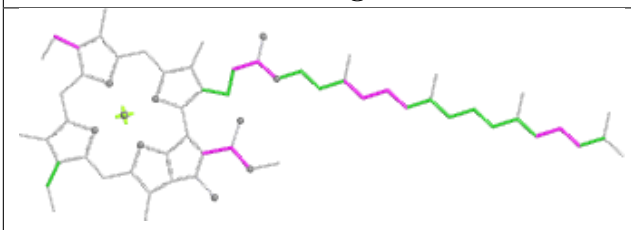
Ligand CLA r 507



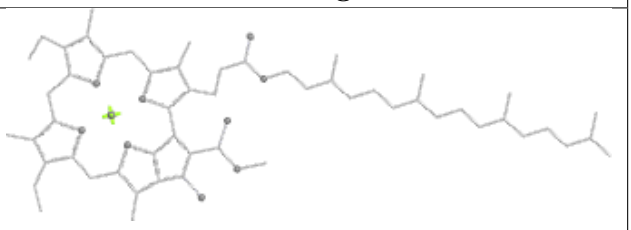
Bond lengths



Bond angles

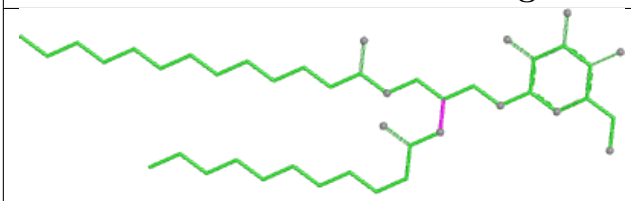


Torsions

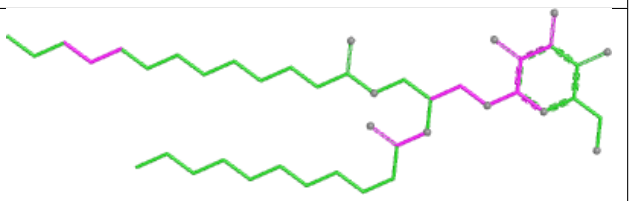


Rings

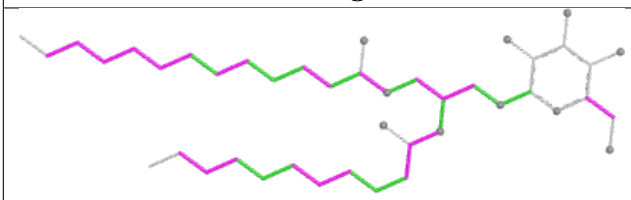
Ligand LMG G 848



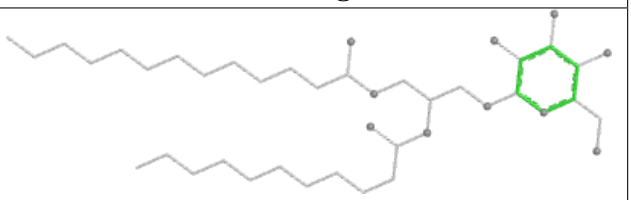
Bond lengths



Bond angles

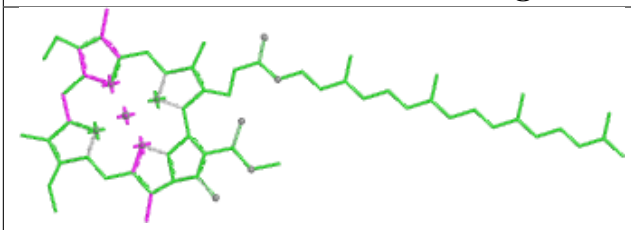


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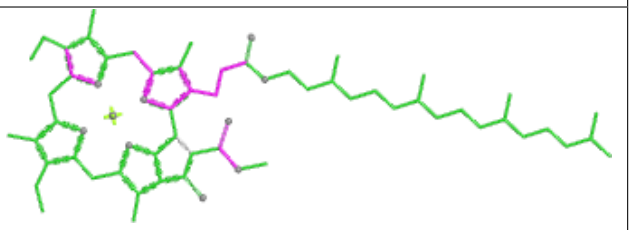


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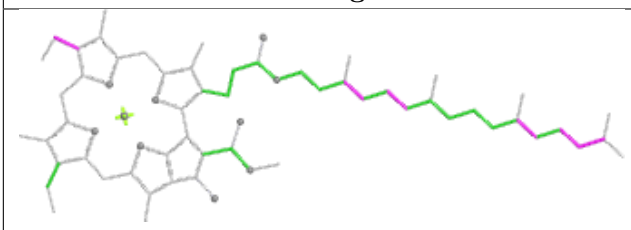
Ligand CLA H 1124



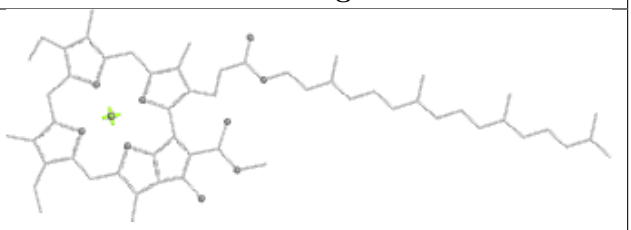
Bond lengths



Bond angles

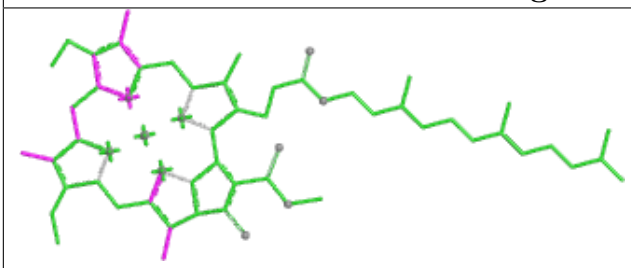


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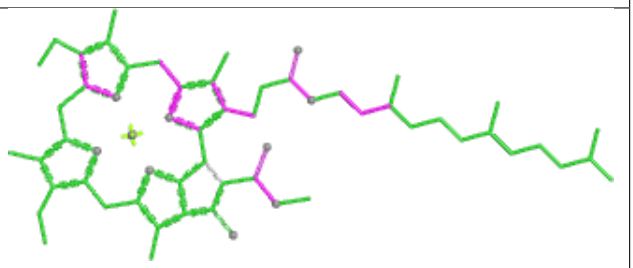


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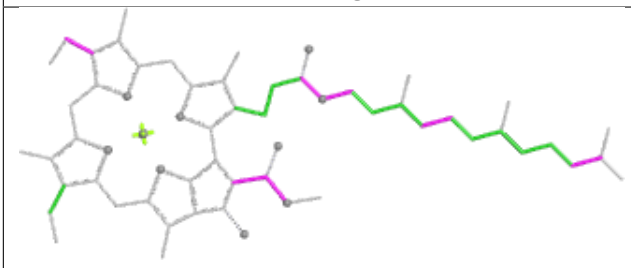
Ligand CLA t 506



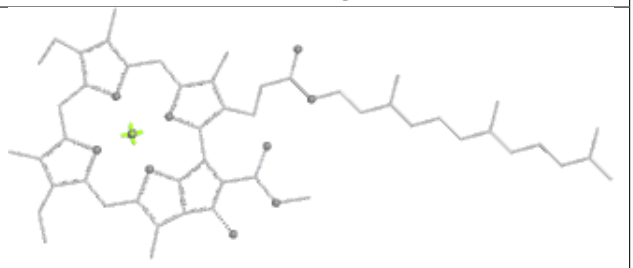
Bond lengths



Bond angles

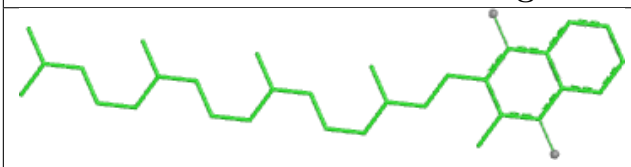


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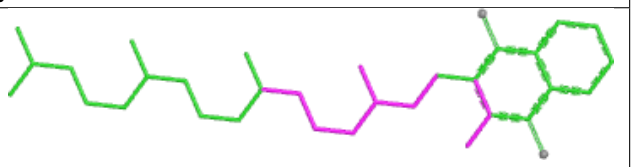


Rings

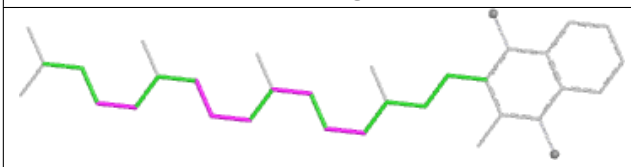
Ligand PQN a 2001



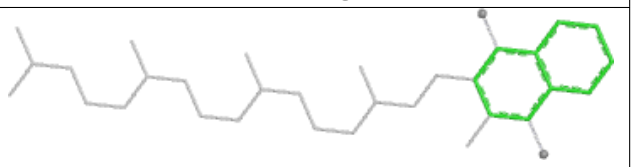
Bond lengths



Bond angles

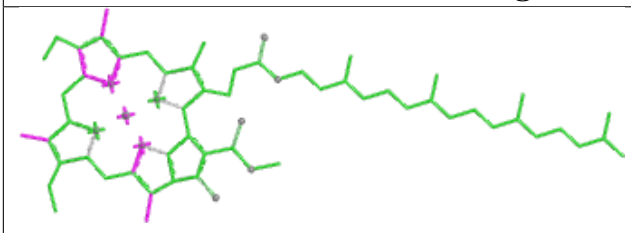


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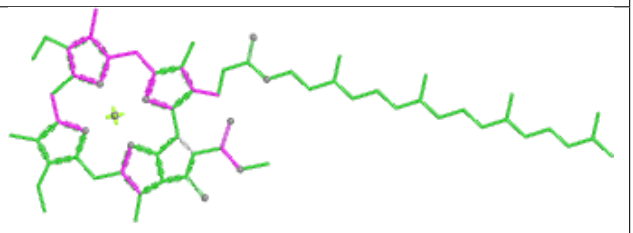


Rings

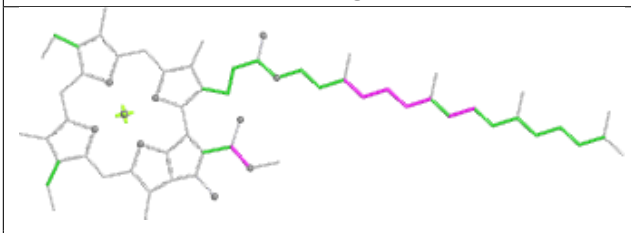
Ligand CLA G 1226



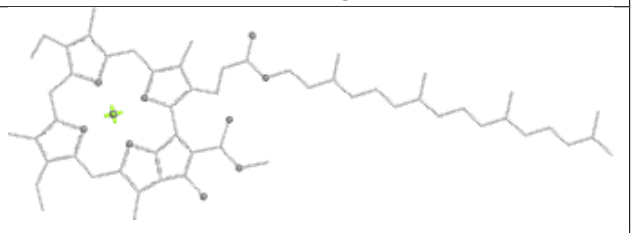
Bond lengths



Bond angles

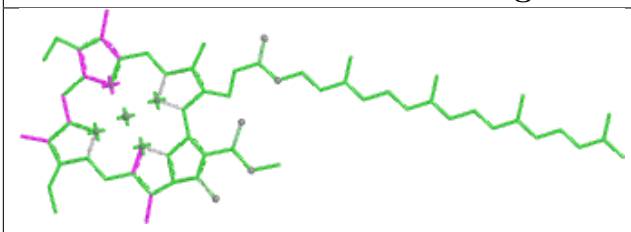


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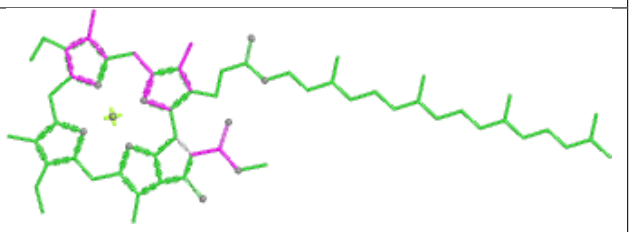


Rings

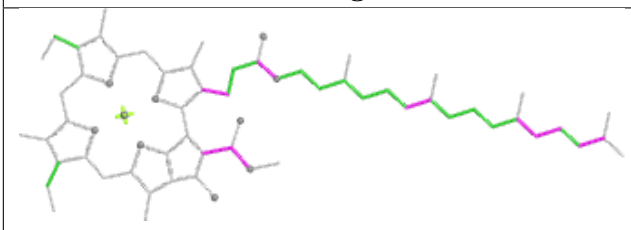
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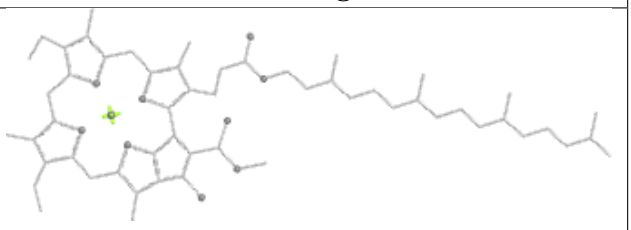
Bond lengths



Bond angles

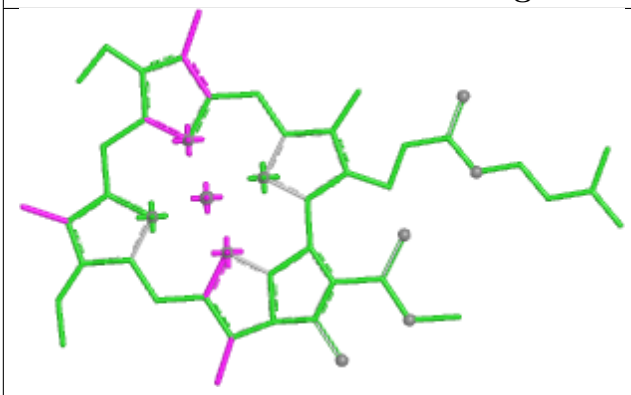


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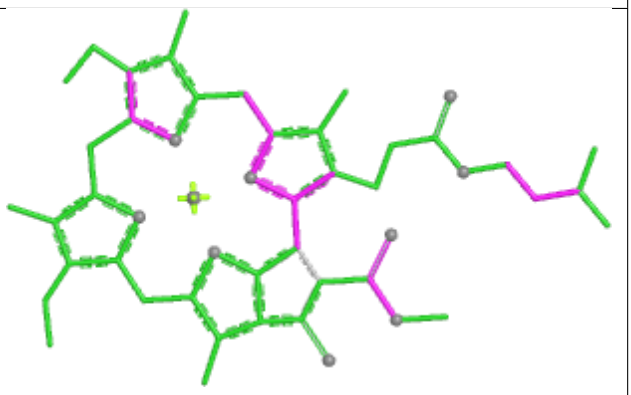


Rings

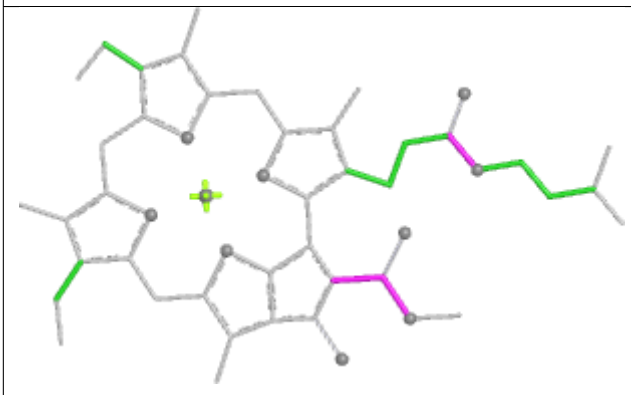
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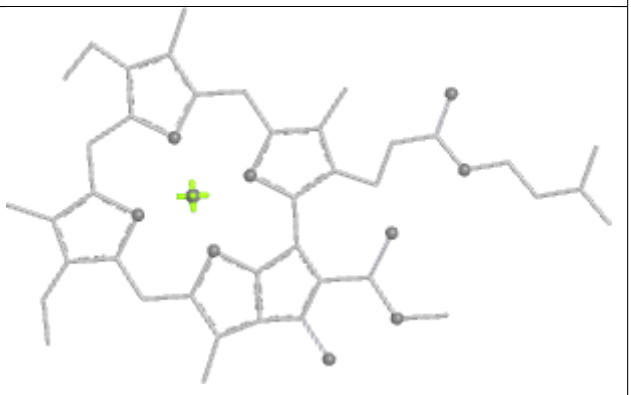
Bond lengths



Bond angles

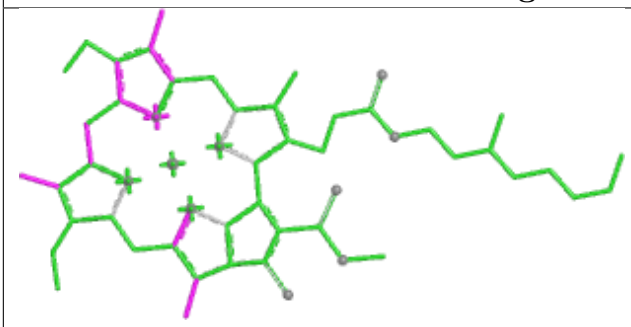


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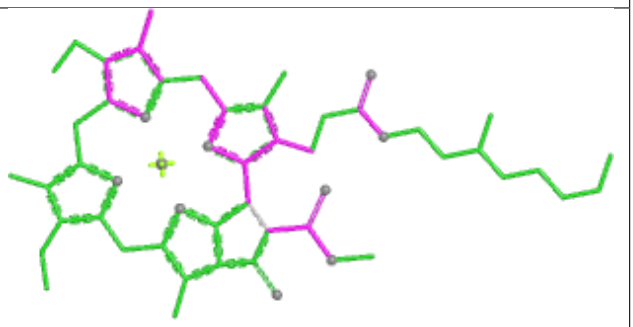


Rings

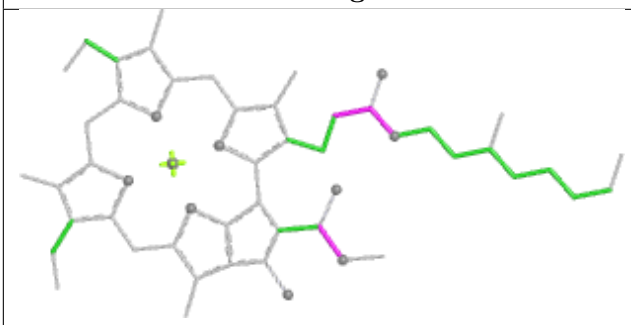
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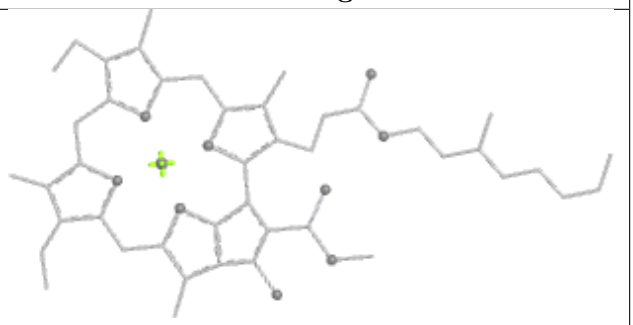
Bond lengths



Bond angles

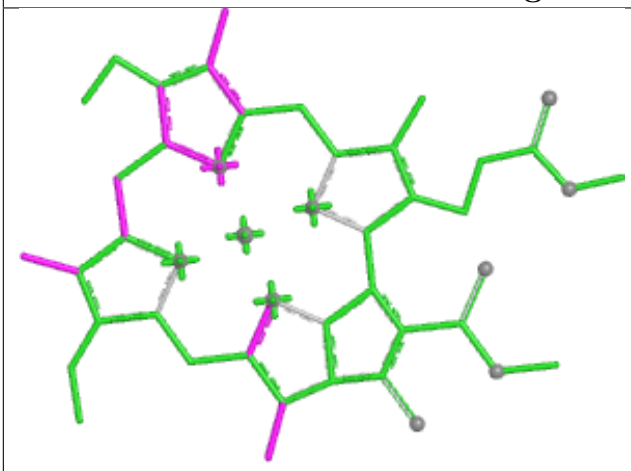


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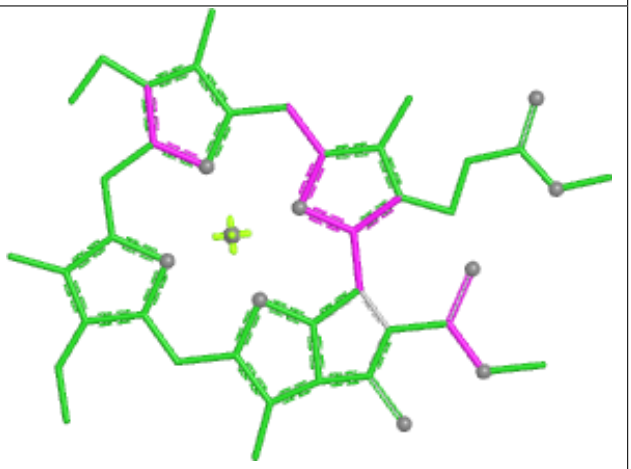


Rings

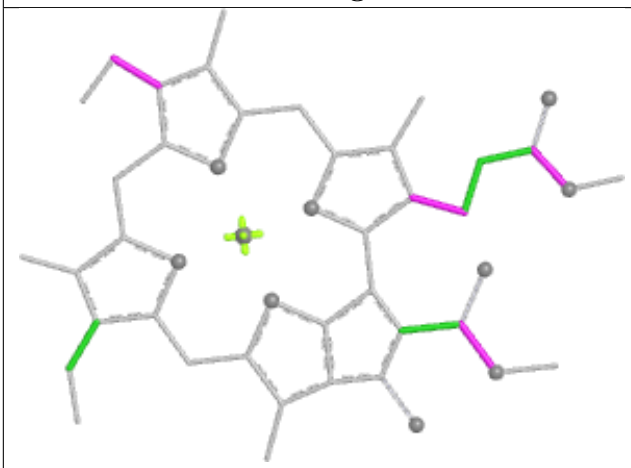
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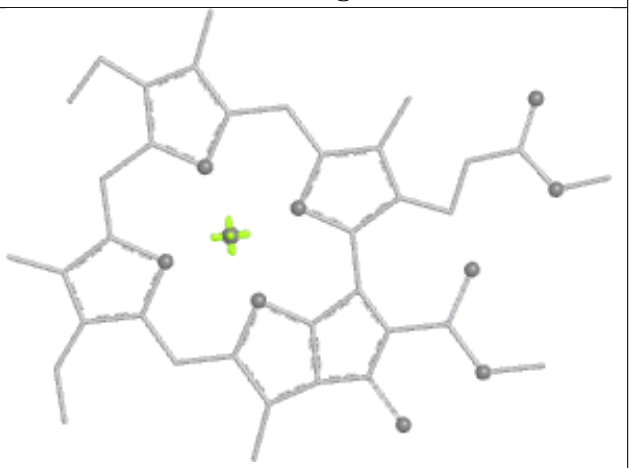
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Bond angles

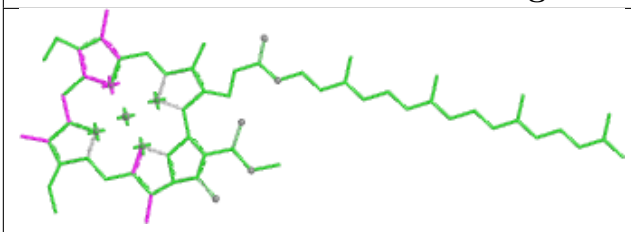


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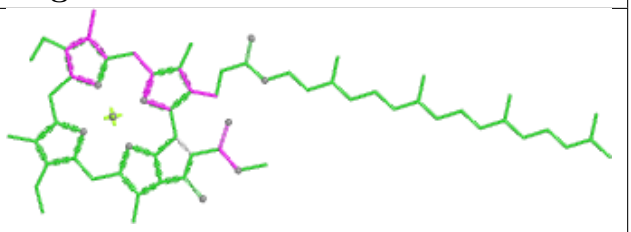


Rings

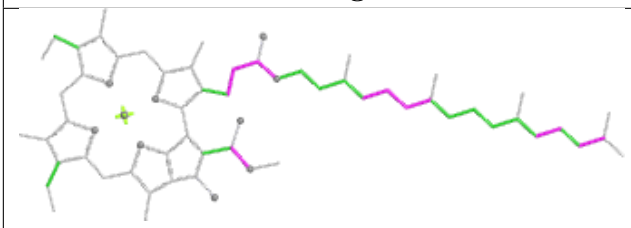
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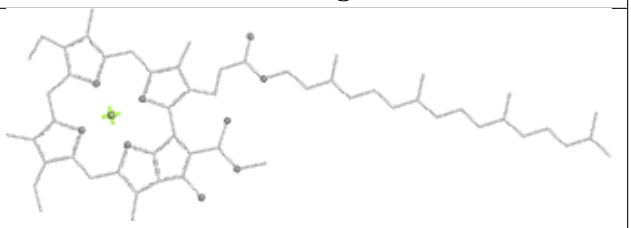
Bond lengths



Bond angles

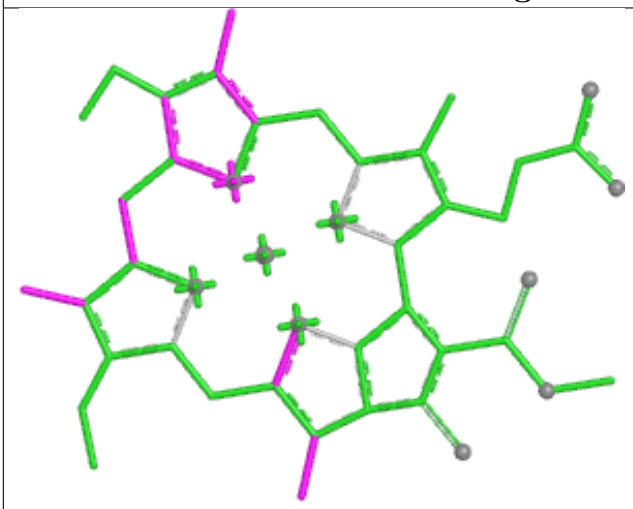


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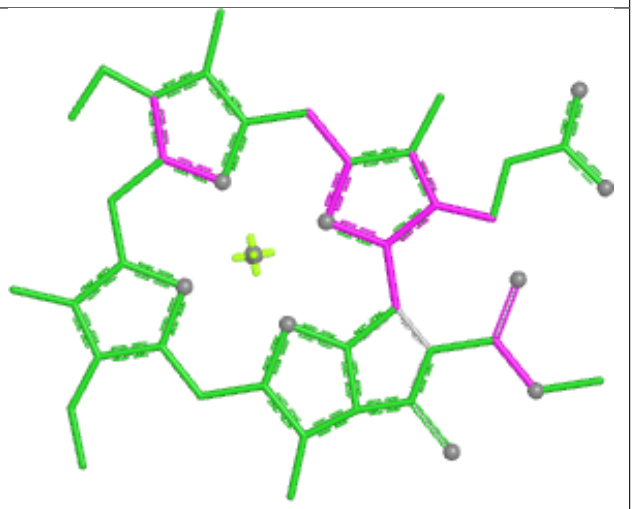


Rings

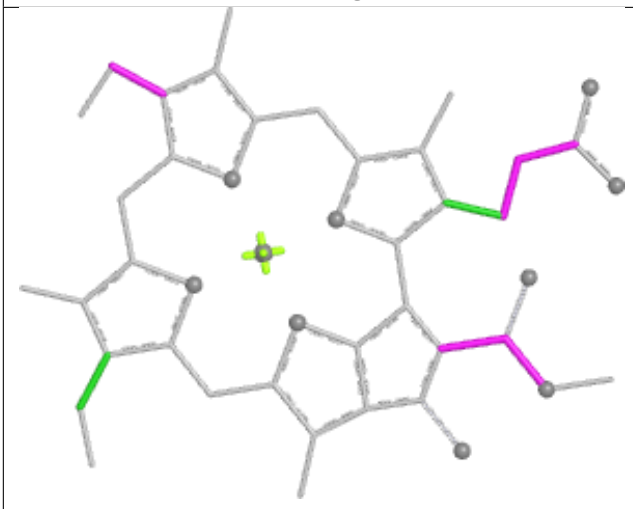
Ligand CLA G 1209



Bond lengths



Bond angles

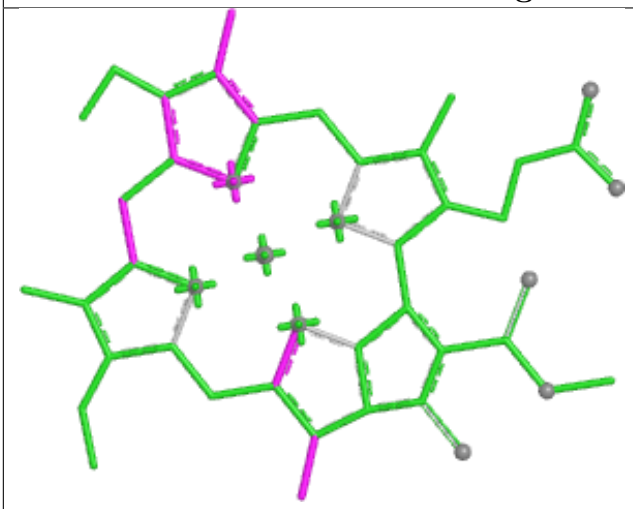


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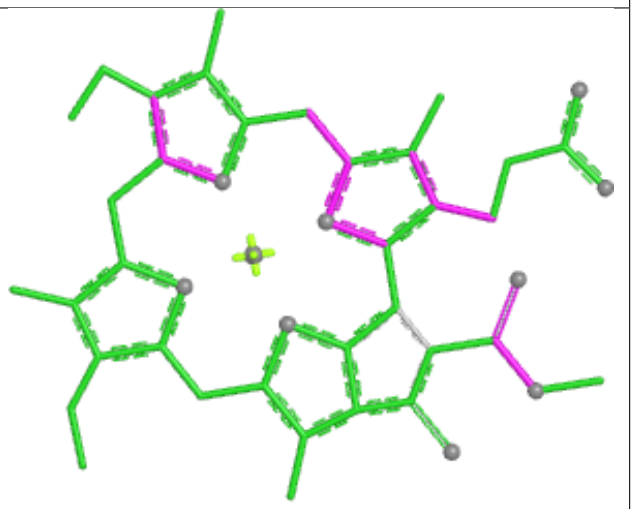


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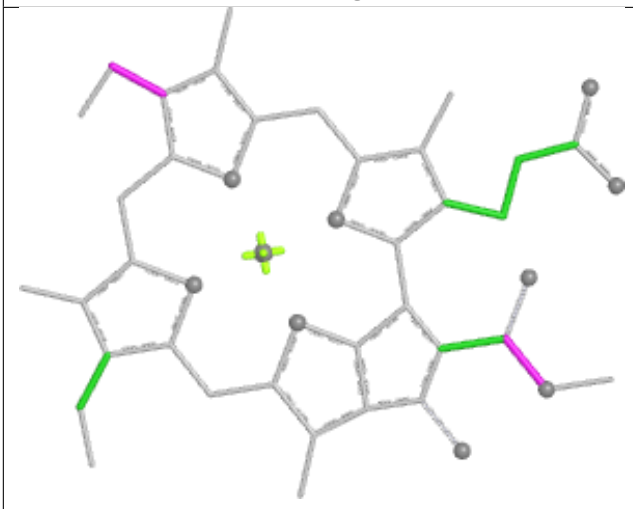
Ligand CLA B 1208



Bond lengths



Bond angles

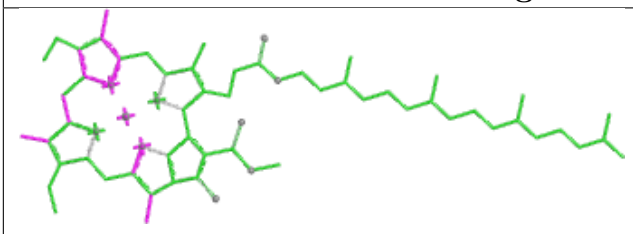


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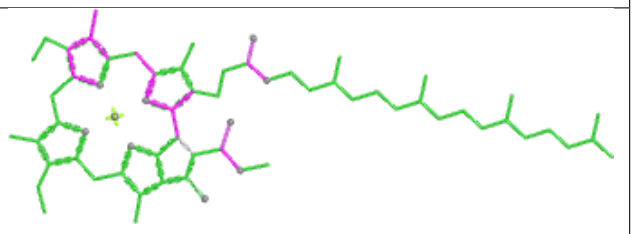


Rings

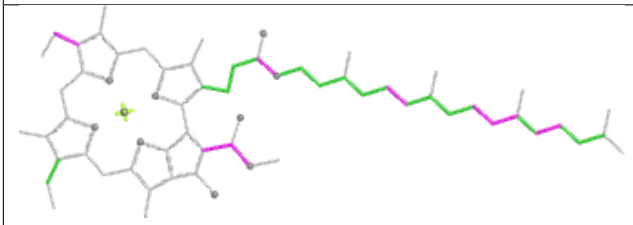
Ligand CLA B 1221



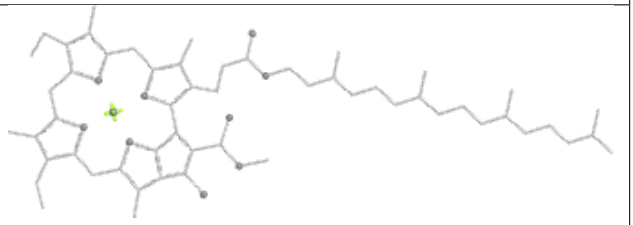
Bond lengths



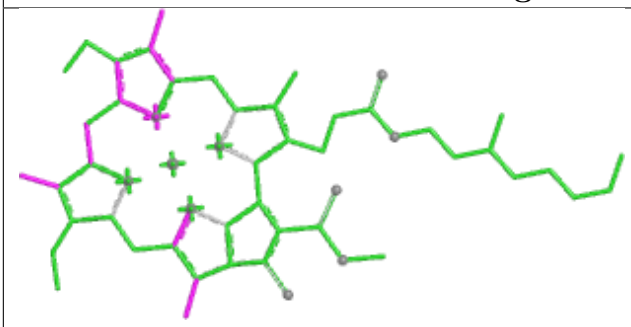
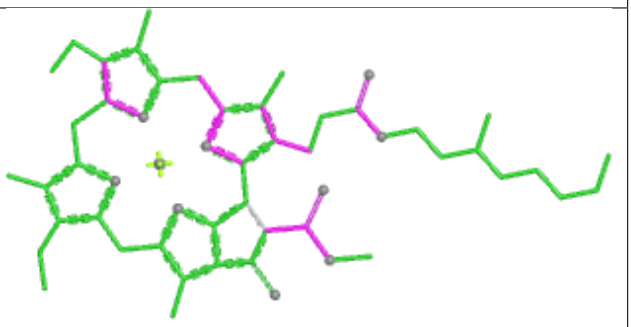
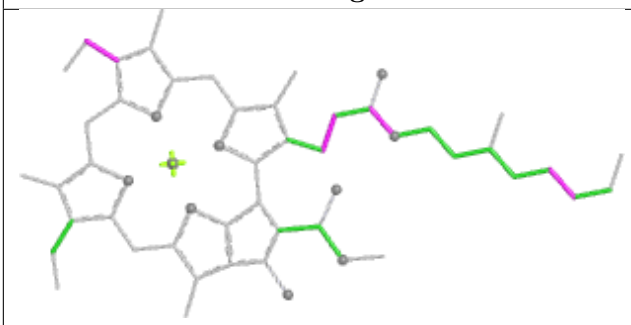
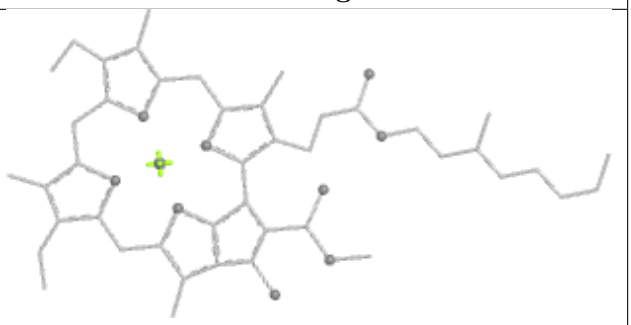
Bond angles

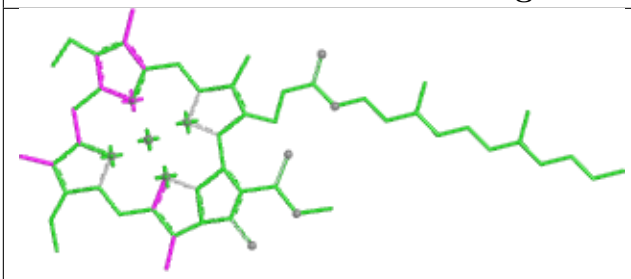
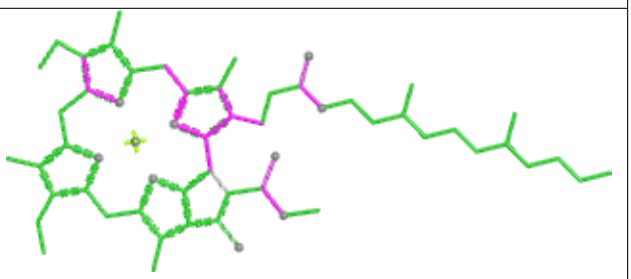
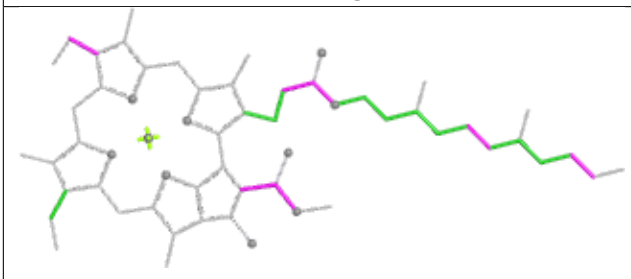
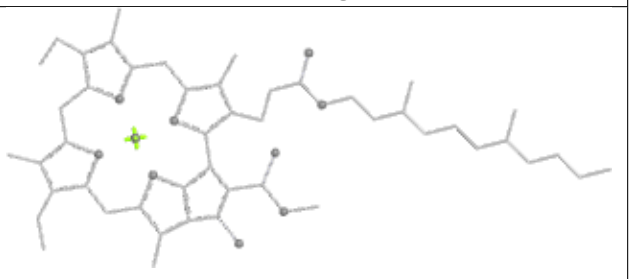


Torsions

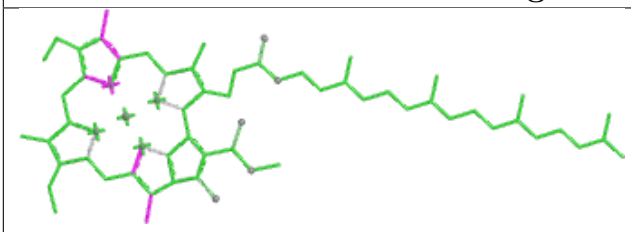


Rings

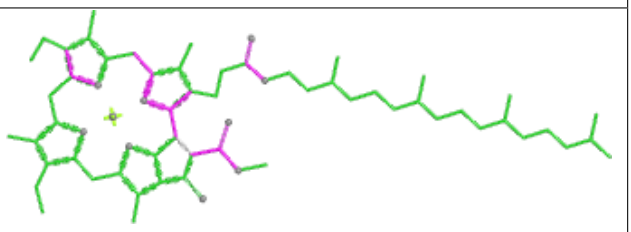
Ligand CLA H 1110	
	
Bond lengths	Bond angles
	
Torsions	Rings

Ligand CLA B 1229	
	
Bond lengths	Bond angles
	
Torsions	Rings

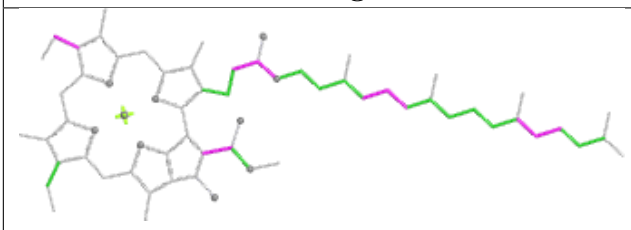
Ligand CLA n 510



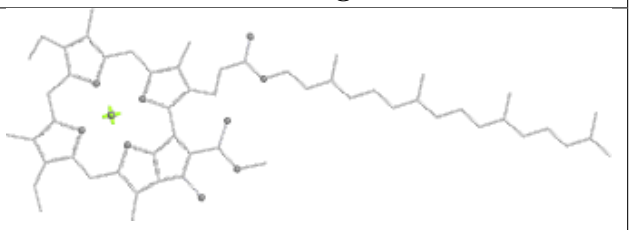
Bond lengths



Bond angles

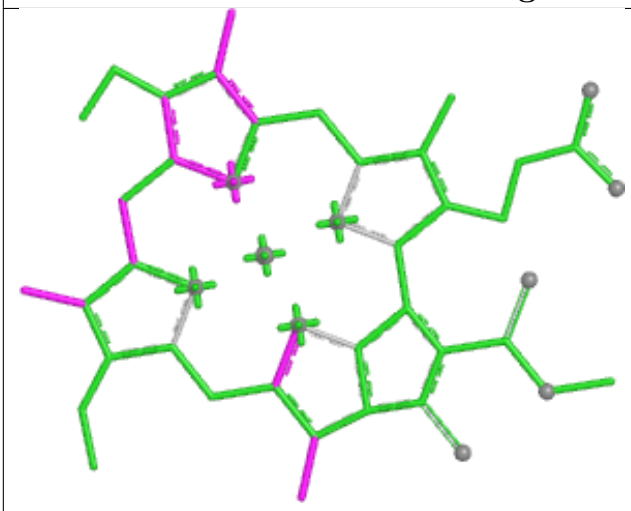


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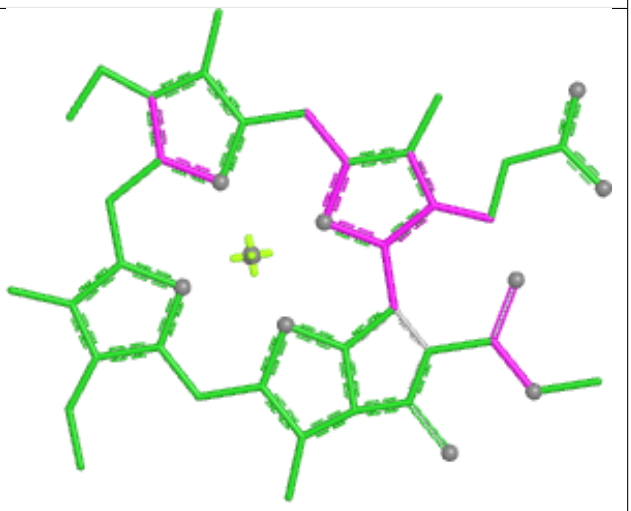


Rings

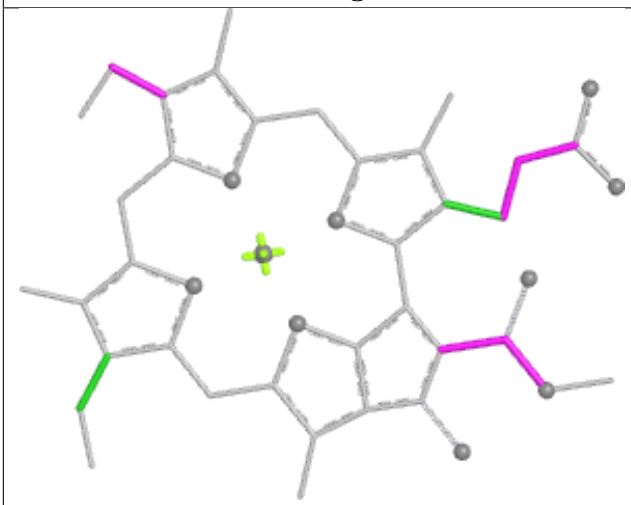
Ligand CLA b 1209



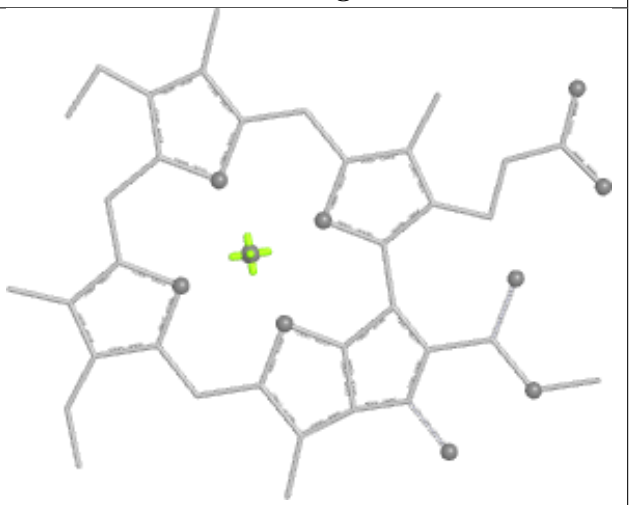
Bond lengths



Bond angles

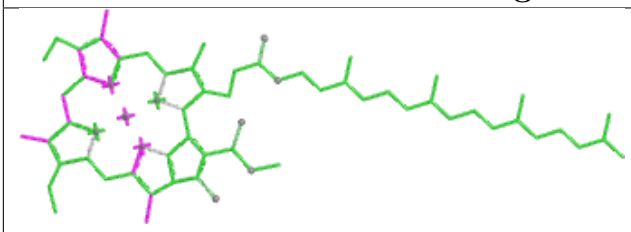


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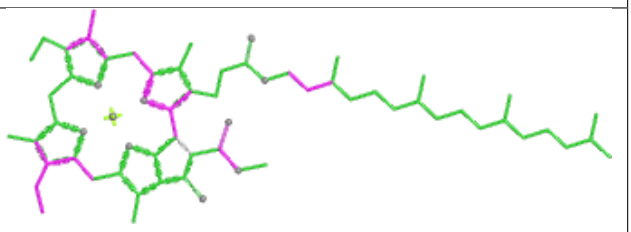


Rings

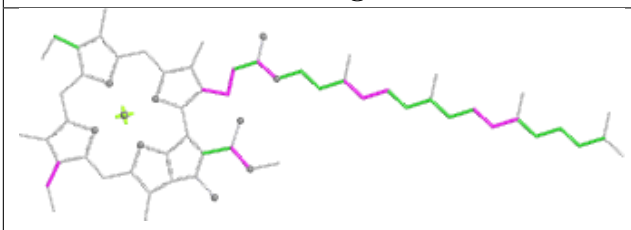
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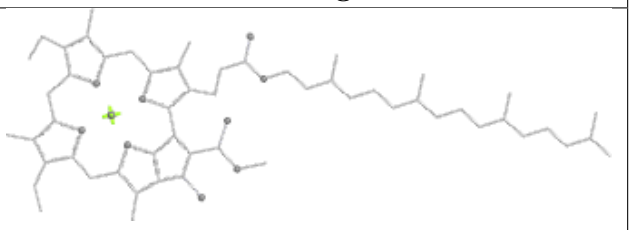
Bond lengths



Bond angles

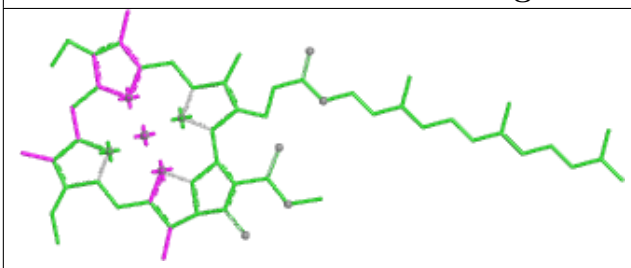


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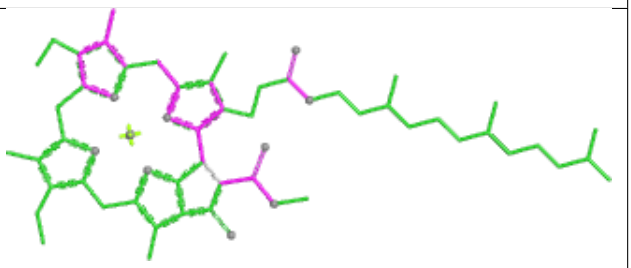


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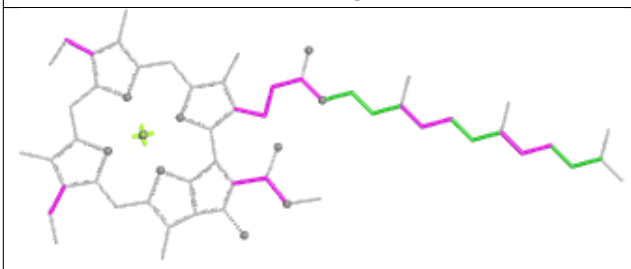
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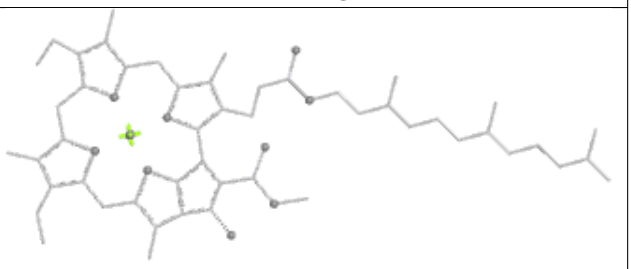
Bond lengths



Bond angles



Torsions

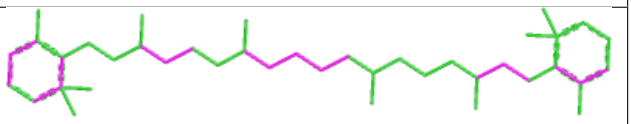


Rings

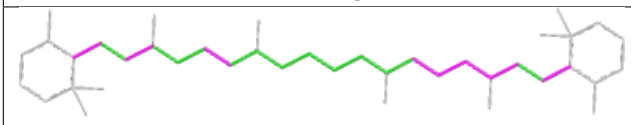
Ligand BCR u 602



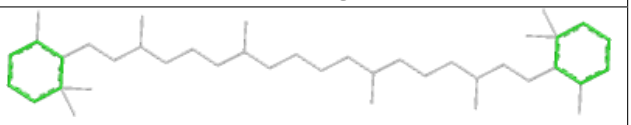
Bond lengths



Bond angles

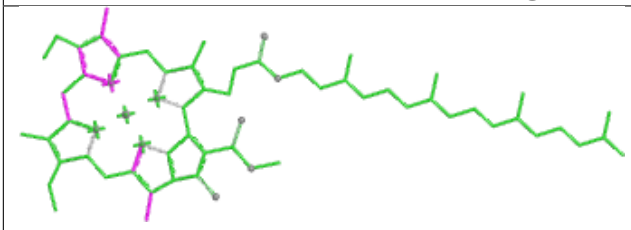


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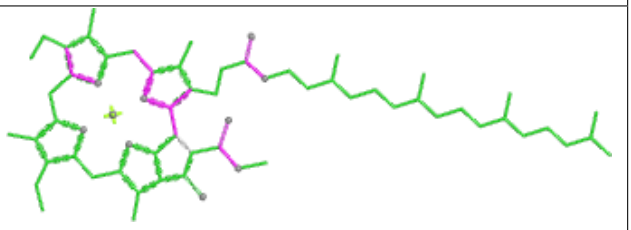


Rings

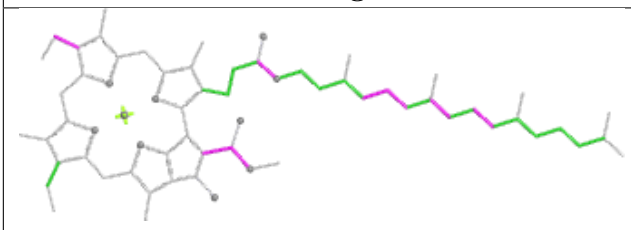
Ligand CLA X 507



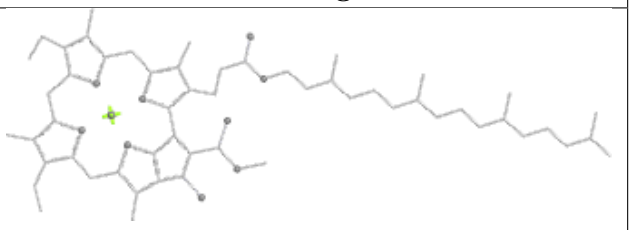
Bond lengths



Bond angles

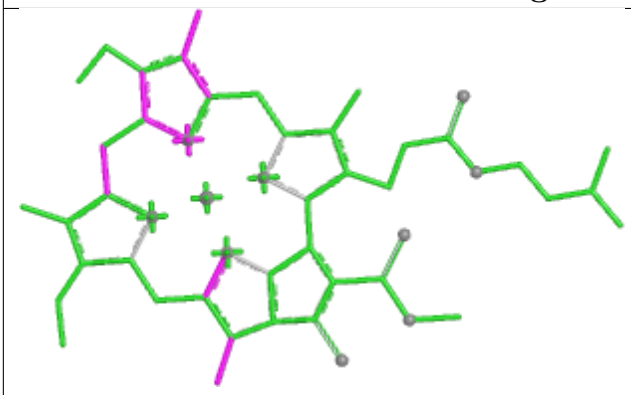


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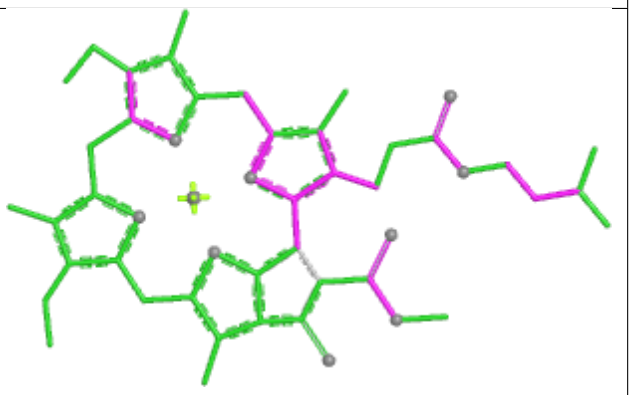


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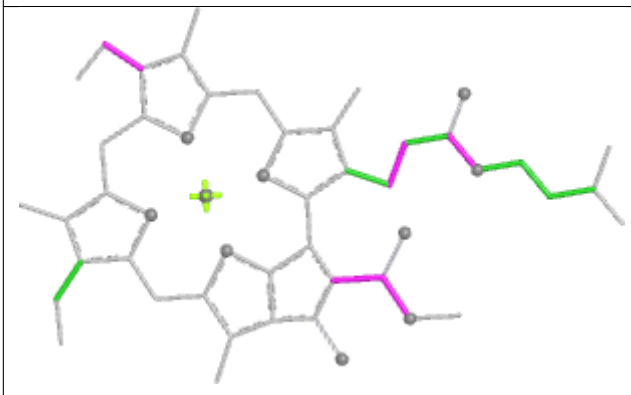
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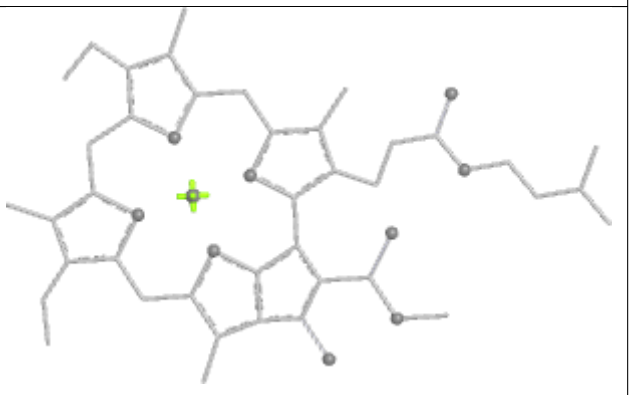
Bond lengths



Bond angles

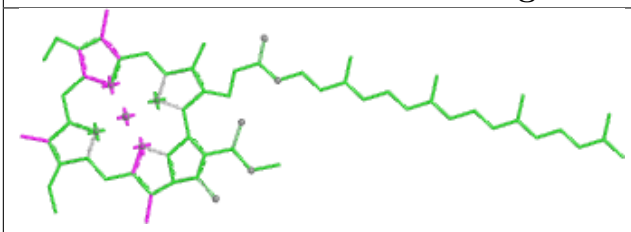


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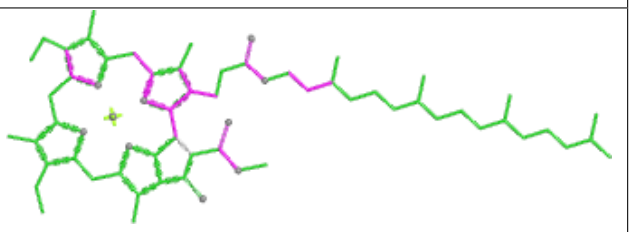


Rings

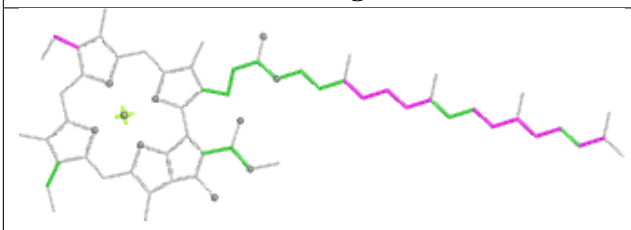
Ligand CLA b 1223



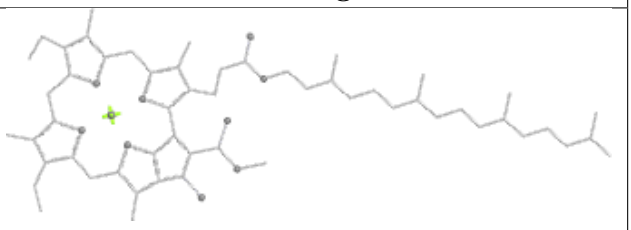
Bond lengths



Bond angles



Torsions

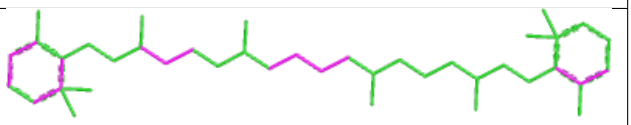


Rings

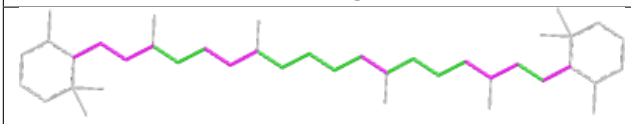
Ligand BCR R 4018



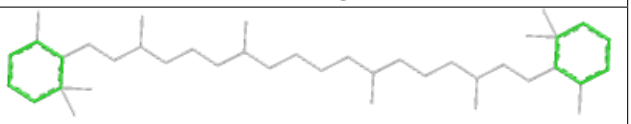
Bond lengths



Bond angles

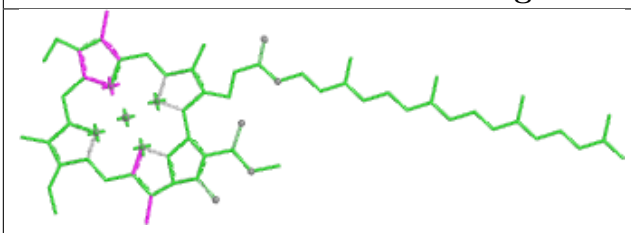


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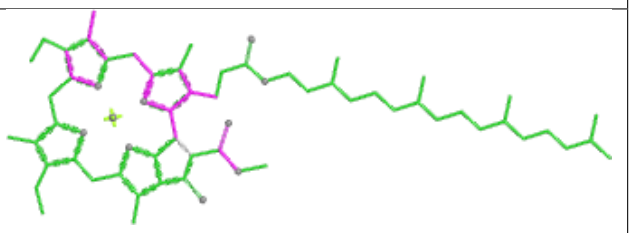


Rings

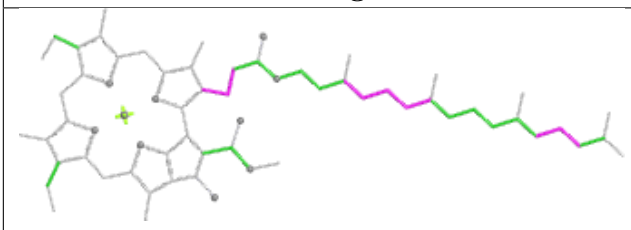
Ligand CLA H 1123



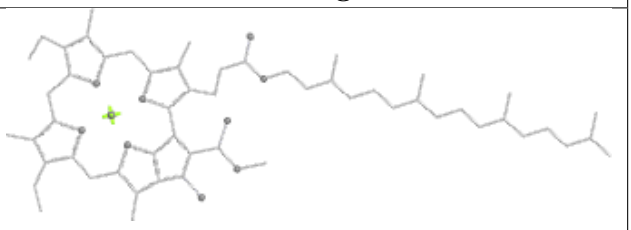
Bond lengths



Bond angles

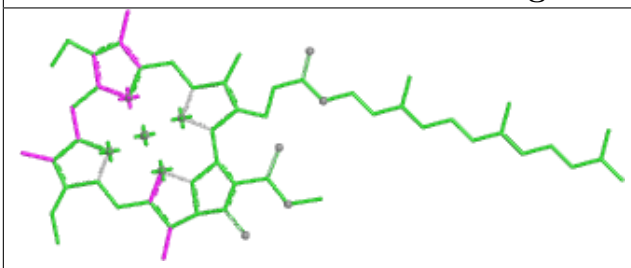


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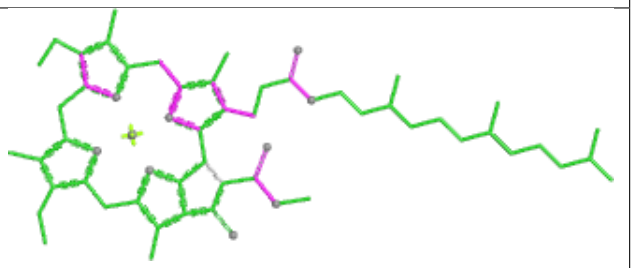


Rings

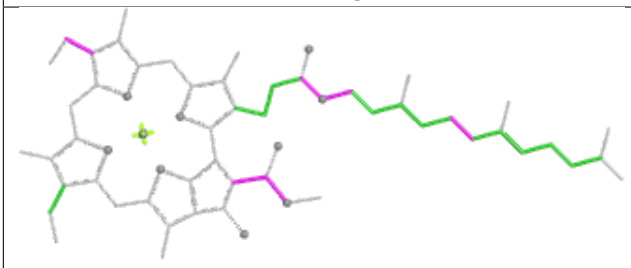
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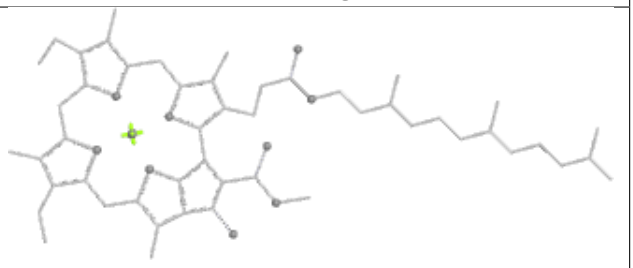
Bond lengths



Bond angles

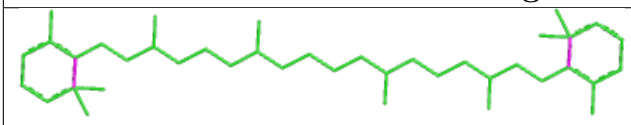


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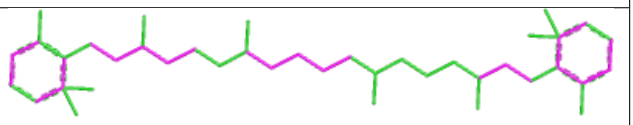


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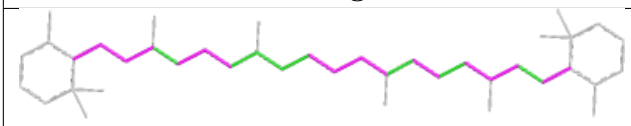
Ligand BCR w 604



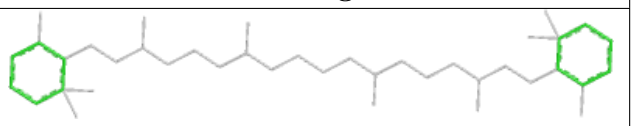
Bond lengths



Bond angles

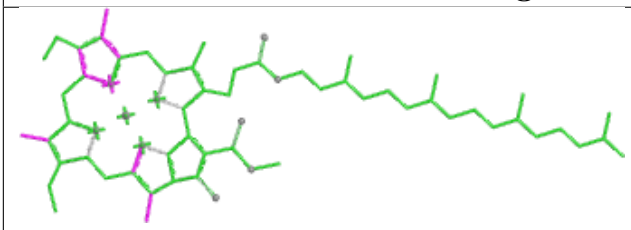


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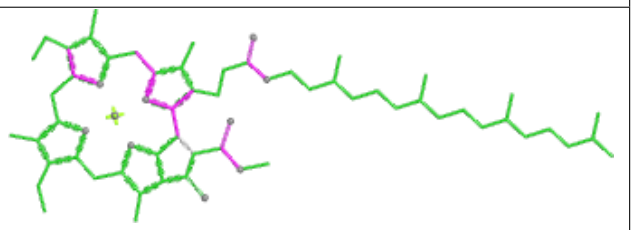


Rings

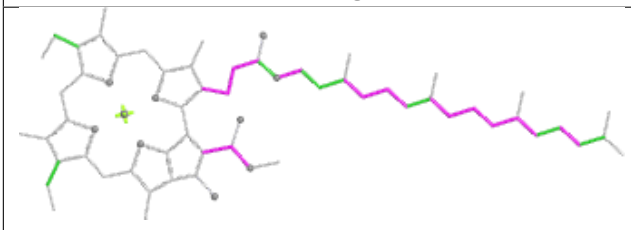
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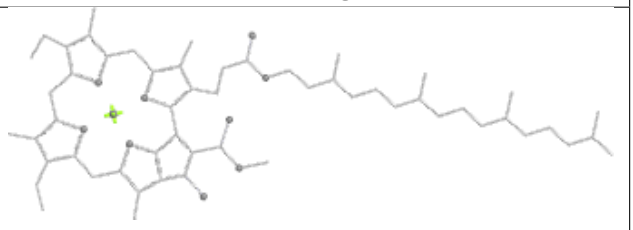
Bond lengths



Bond angles

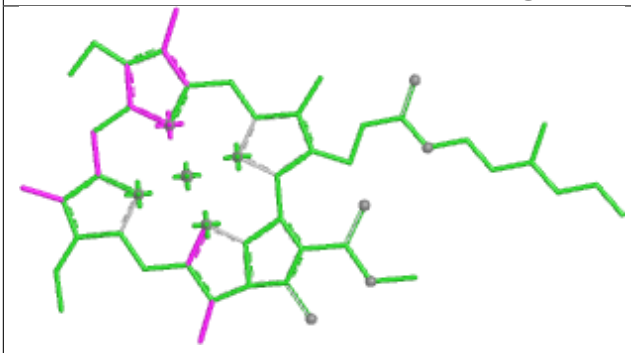


Torsions

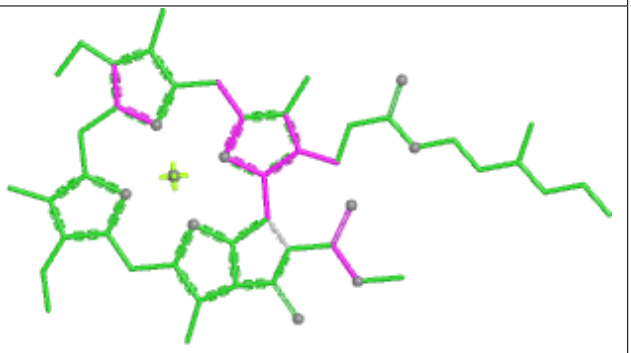


Rings

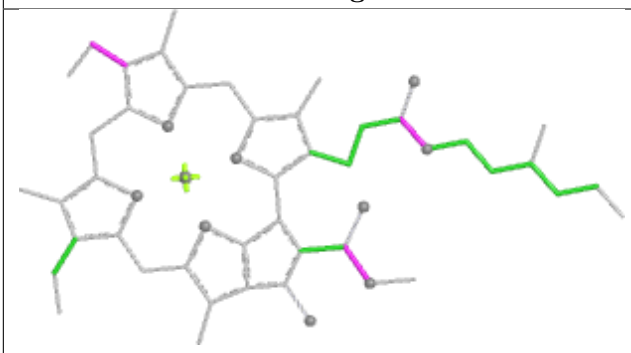
Ligand CLA a 1801



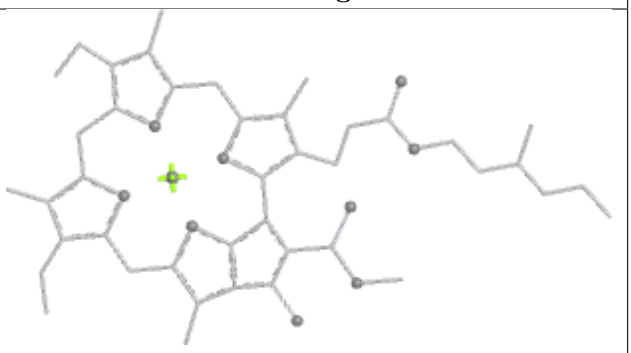
Bond lengths



Bond angles

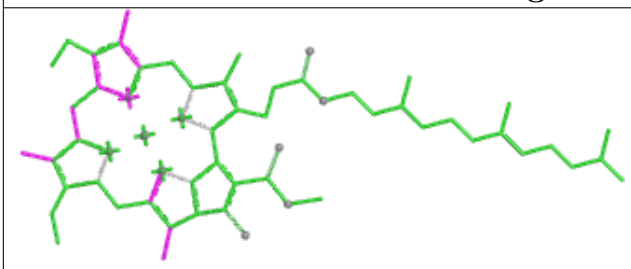


Torsions

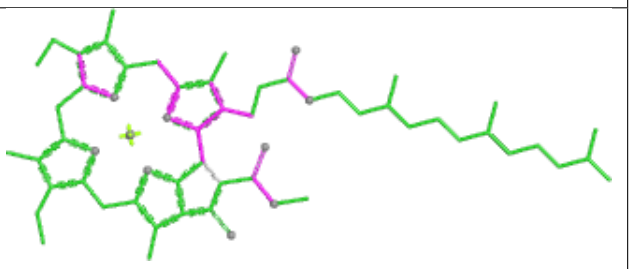


Rings

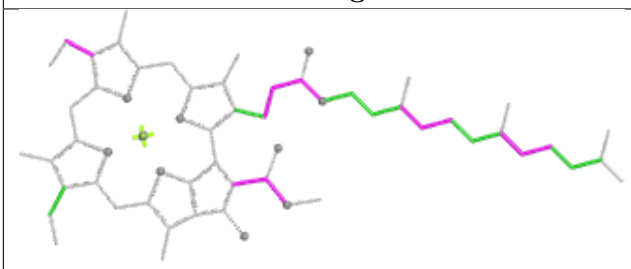
Ligand CLA h 505



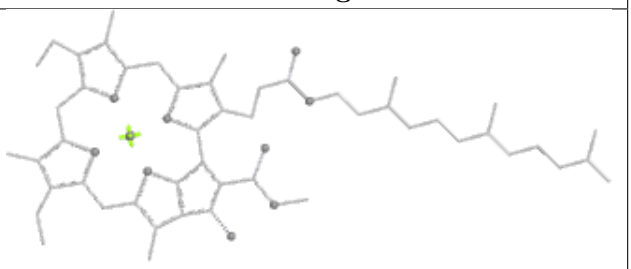
Bond lengths



Bond angles

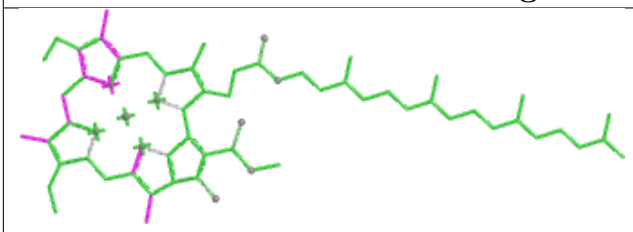


Torsions

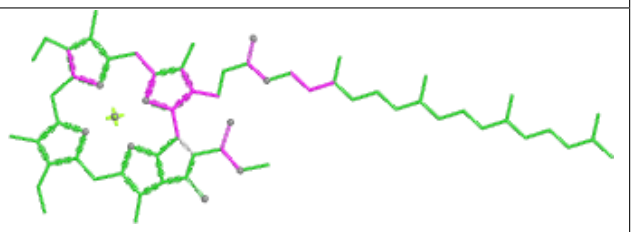


Rings

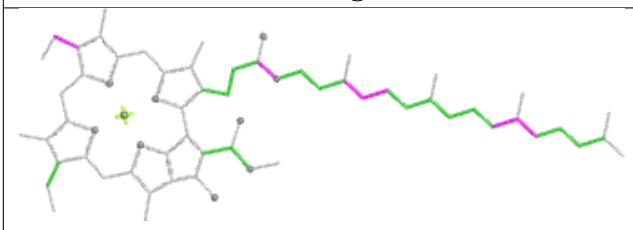
Ligand CLA a 1138



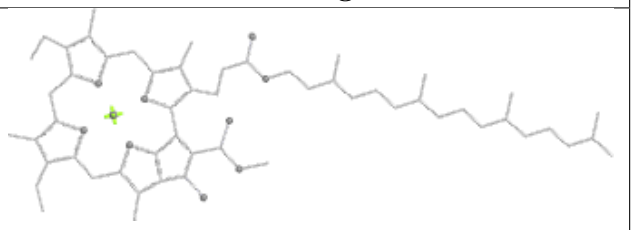
Bond lengths



Bond angles

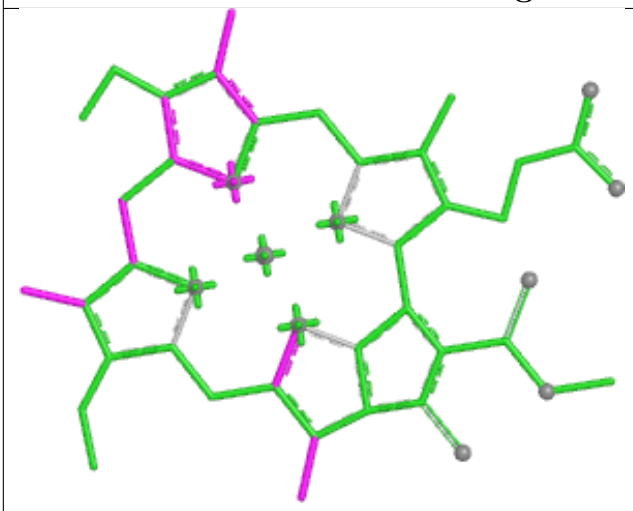


Torsions

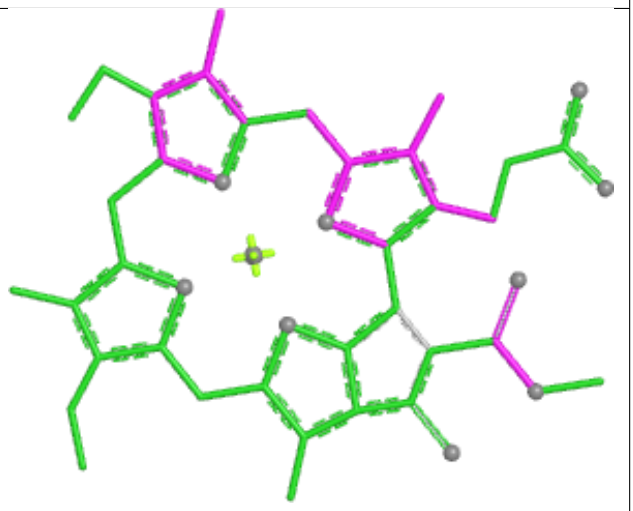


Rings

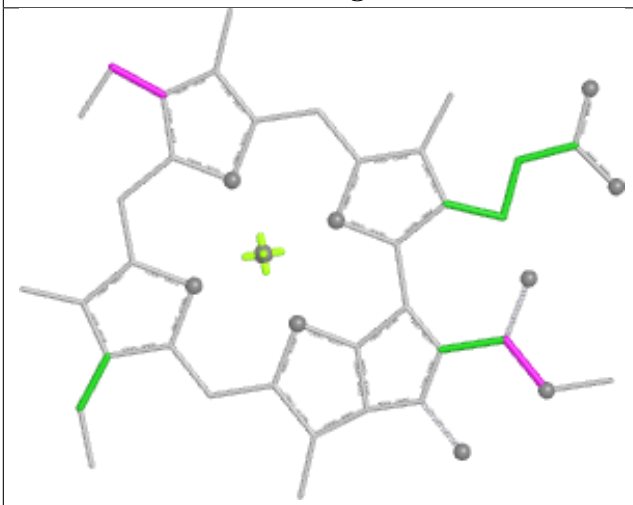
Ligand CLA B 1231



Bond lengths



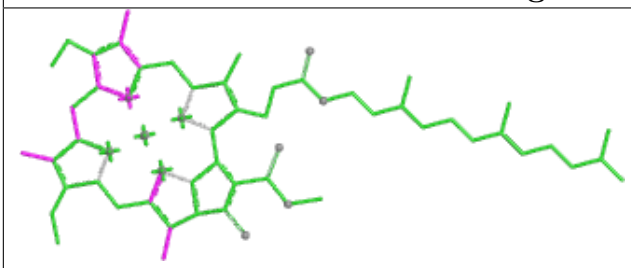
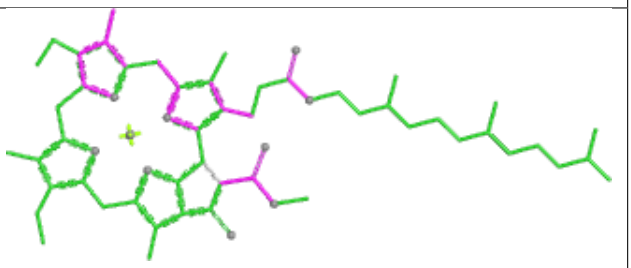
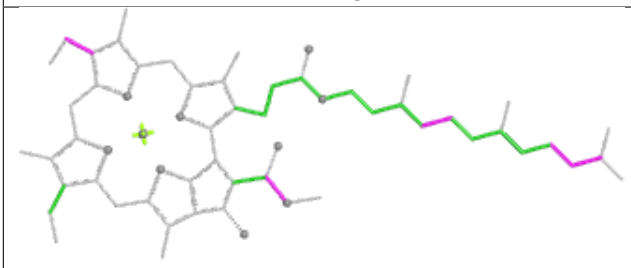
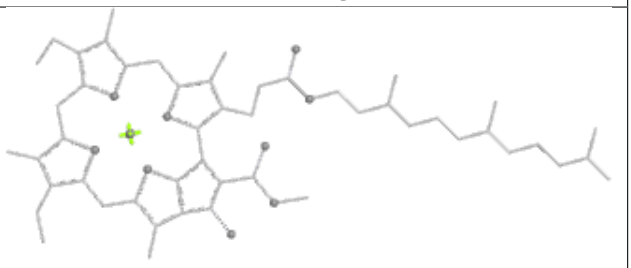
Bond angles

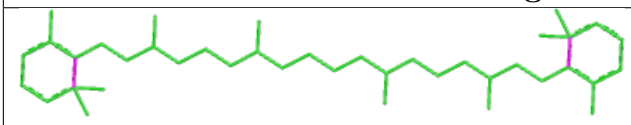
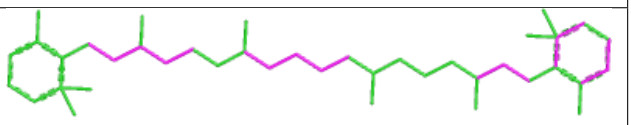
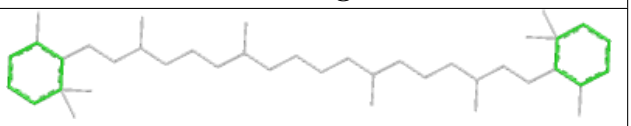


Torsions

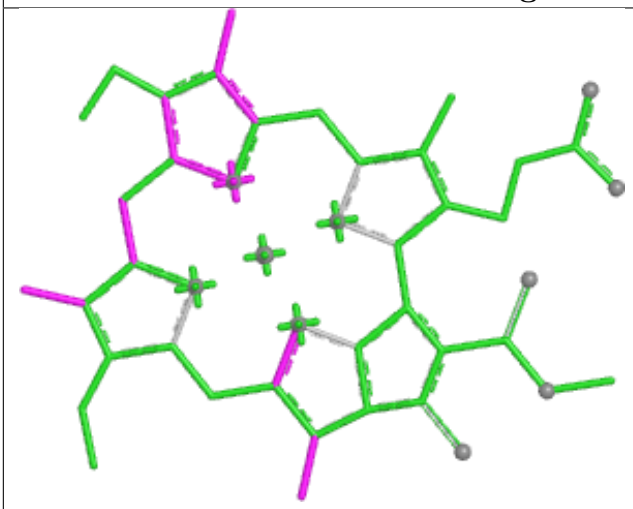


Rings

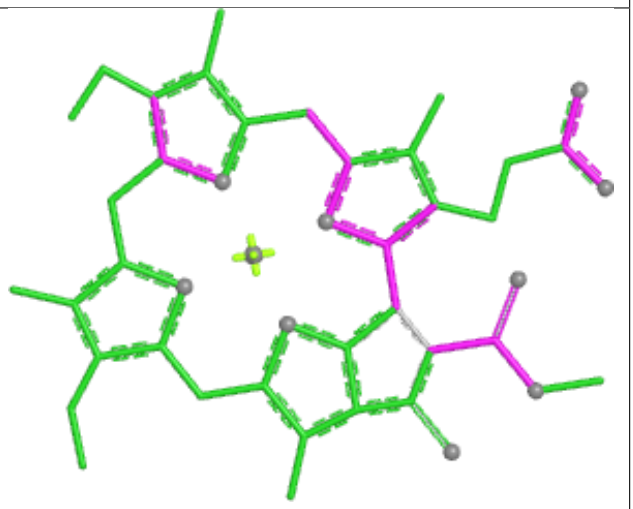
Ligand CLA v 509	
	
Bond lengths	**Bond angles**
	
Torsions	**Rings**

Ligand BCR Z 603	
	
Bond lengths	**Bond angles**
	
Torsions	**Rings**

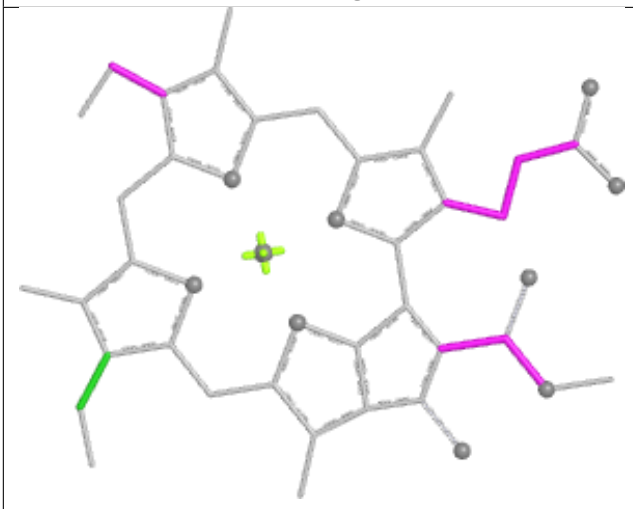
Ligand CLA a 1134



Bond lengths



Bond angles



Torsions



Rings

5.7 Other polymers

There are no such residues in this entry.

5.8 Polymer linkage issues

There are no chain breaks in this entry.

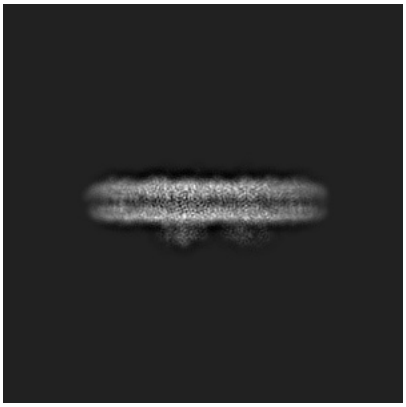
6 Map visualisation

This section contains visualisations of the EMDB entry EMD-0524. These allow visual inspection of the internal detail of the map and identification of artifacts.

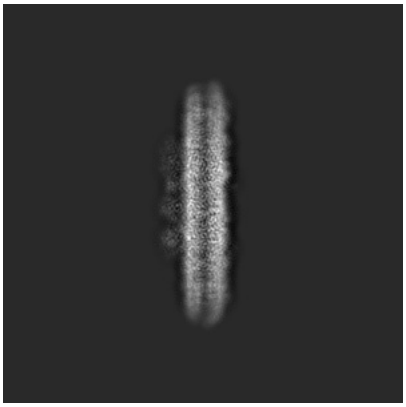
No raw map or half-maps were deposited for this entry and therefore no images, graphs, etc. pertaining to the raw map can be shown.

6.1 Orthogonal projections

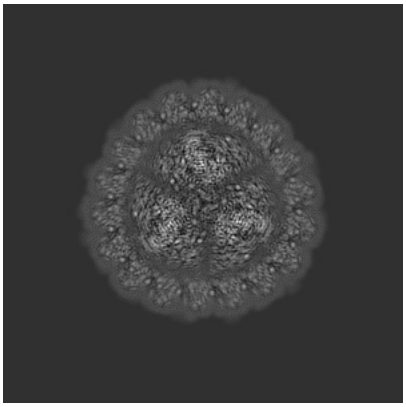
6.1.1 Primary map



X



Y



Z

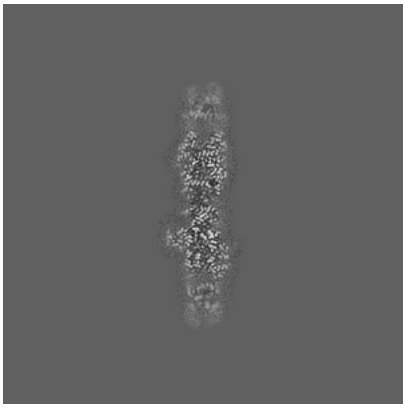
The images above show the map projected in three orthogonal directions.

6.2 Central slices

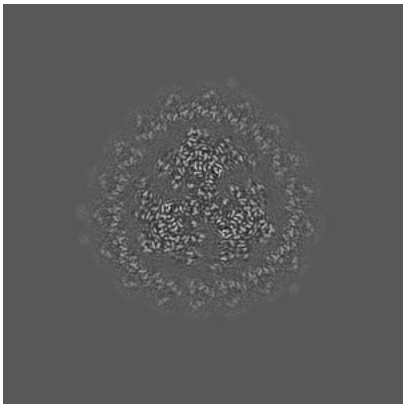
6.2.1 Primary map



X Index: 250



Y Index: 250



Z Index: 250

The images above show central slices of the map in three orthogonal directions.

6.3 Largest variance slices (i)

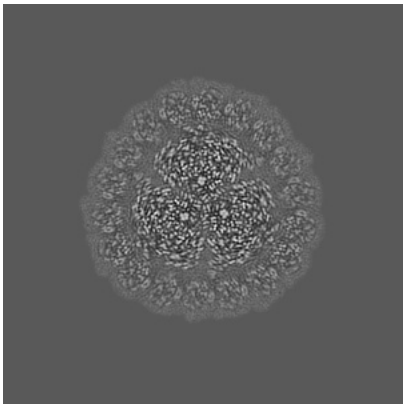
6.3.1 Primary map



X Index: 239



Y Index: 227

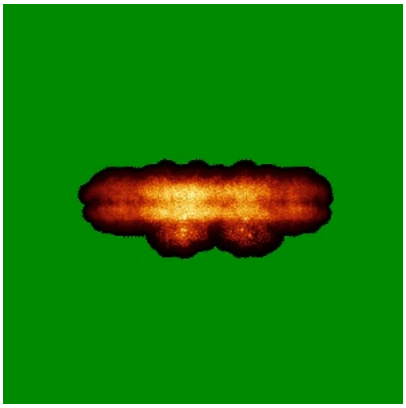


Z Index: 238

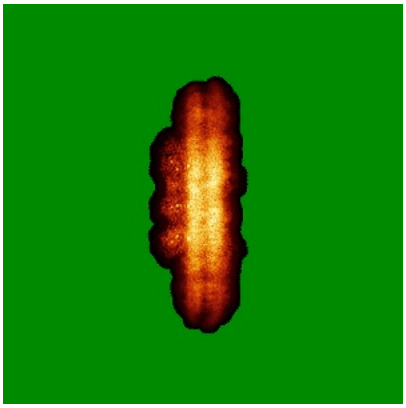
The images above show the largest variance slices of the map in three orthogonal directions.

6.4 Orthogonal standard-deviation projections (False-color) (i)

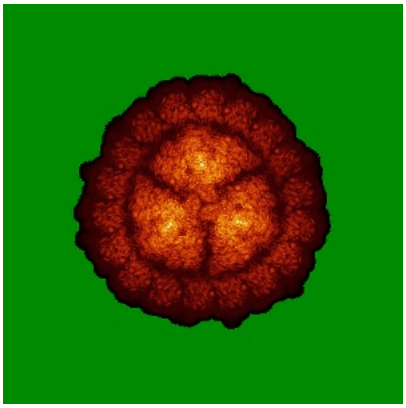
6.4.1 Primary map



X



Y



Z

The images above show the map standard deviation projections with false color in three orthogonal directions. Minimum values are shown in green, max in blue, and dark to light orange shades represent small to large values respectively.

6.5 Orthogonal surface views (i)

6.5.1 Primary map



X Y Z

The images above show the 3D surface view of the map at the recommended contour level 0.0125. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

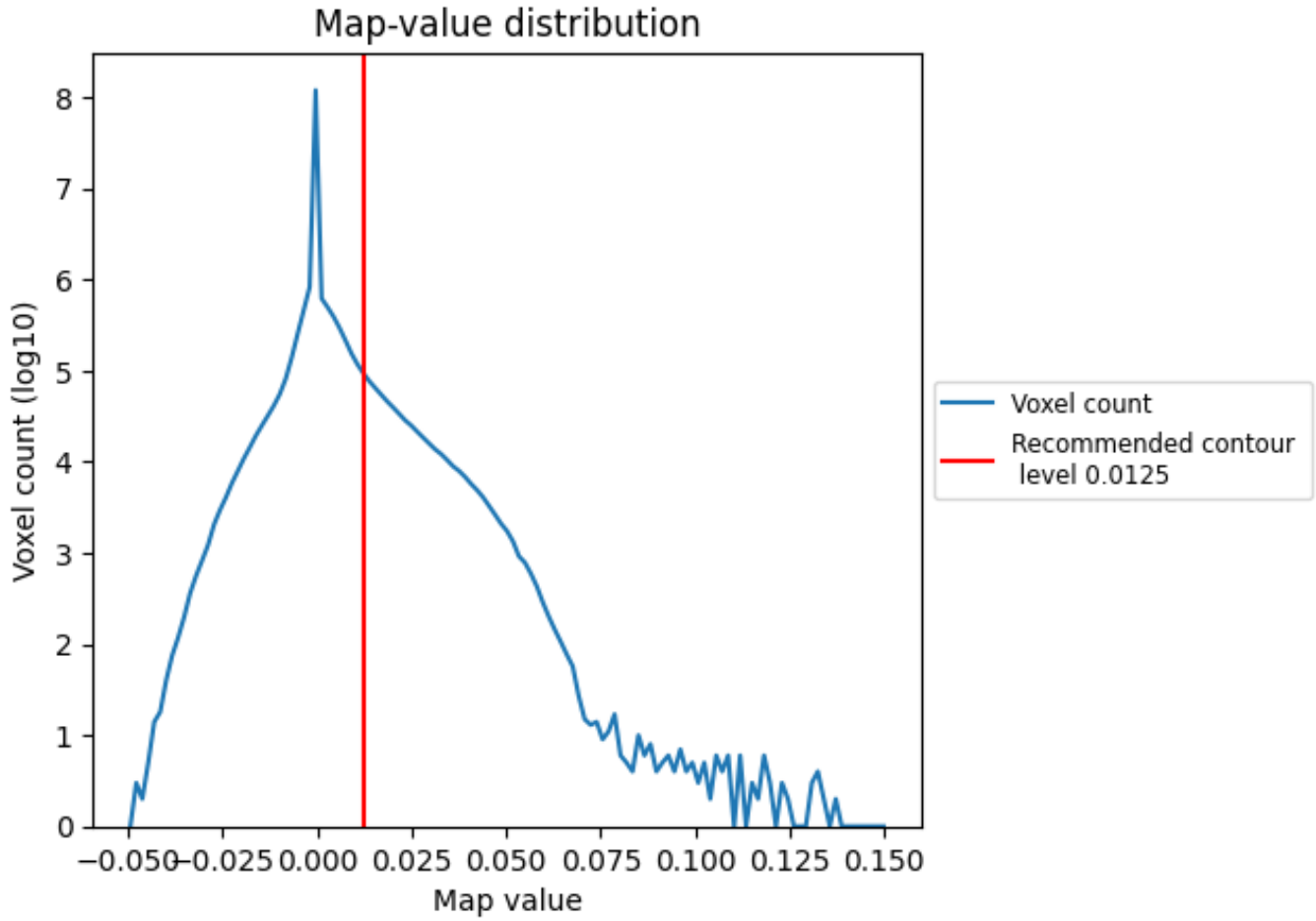
6.6 Mask visualisation (i)

This section was not generated. No masks/segmentation were deposited.

7 Map analysis

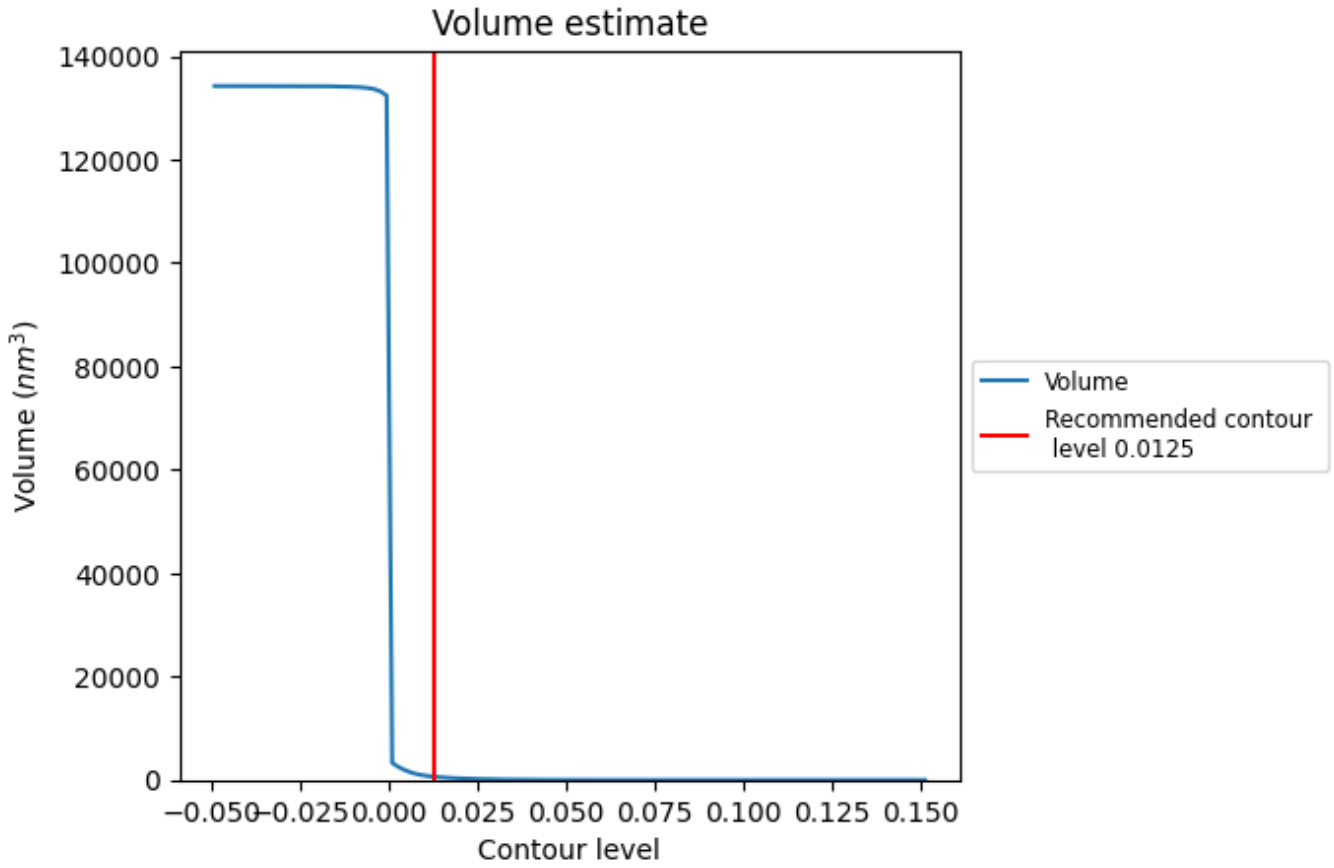
This section contains the results of statistical analysis of the map.

7.1 Map-value distribution



The map-value distribution is plotted in 128 intervals along the x-axis. The y-axis is logarithmic. A spike in this graph at zero usually indicates that the volume has been masked.

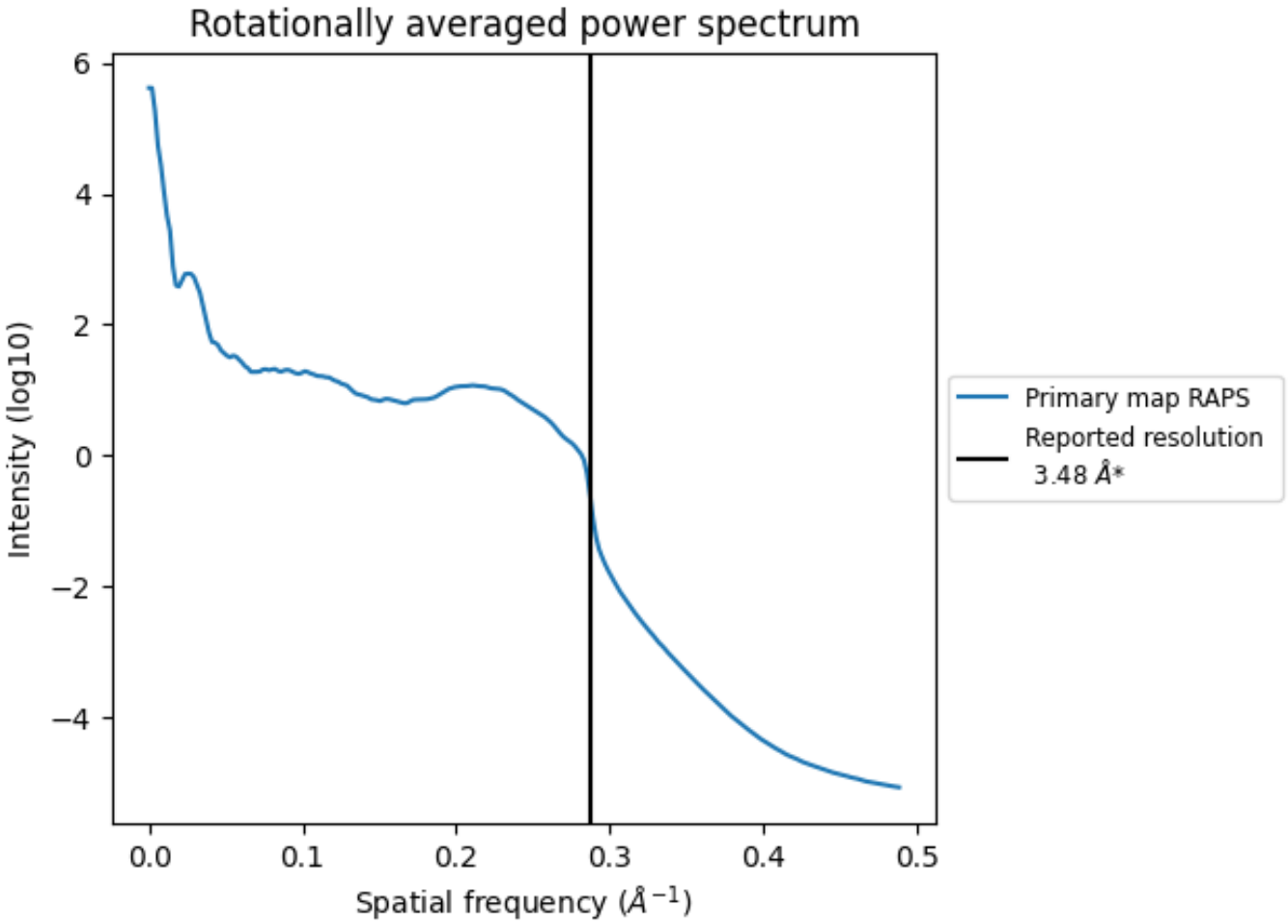
7.2 Volume estimate



The volume at the recommended contour level is 642 nm^3; this corresponds to an approximate mass of 580 kDa.

The volume estimate graph shows how the enclosed volume varies with the contour level. The recommended contour level is shown as a vertical line and the intersection between the line and the curve gives the volume of the enclosed surface at the given level.

7.3 Rotationally averaged power spectrum (i)

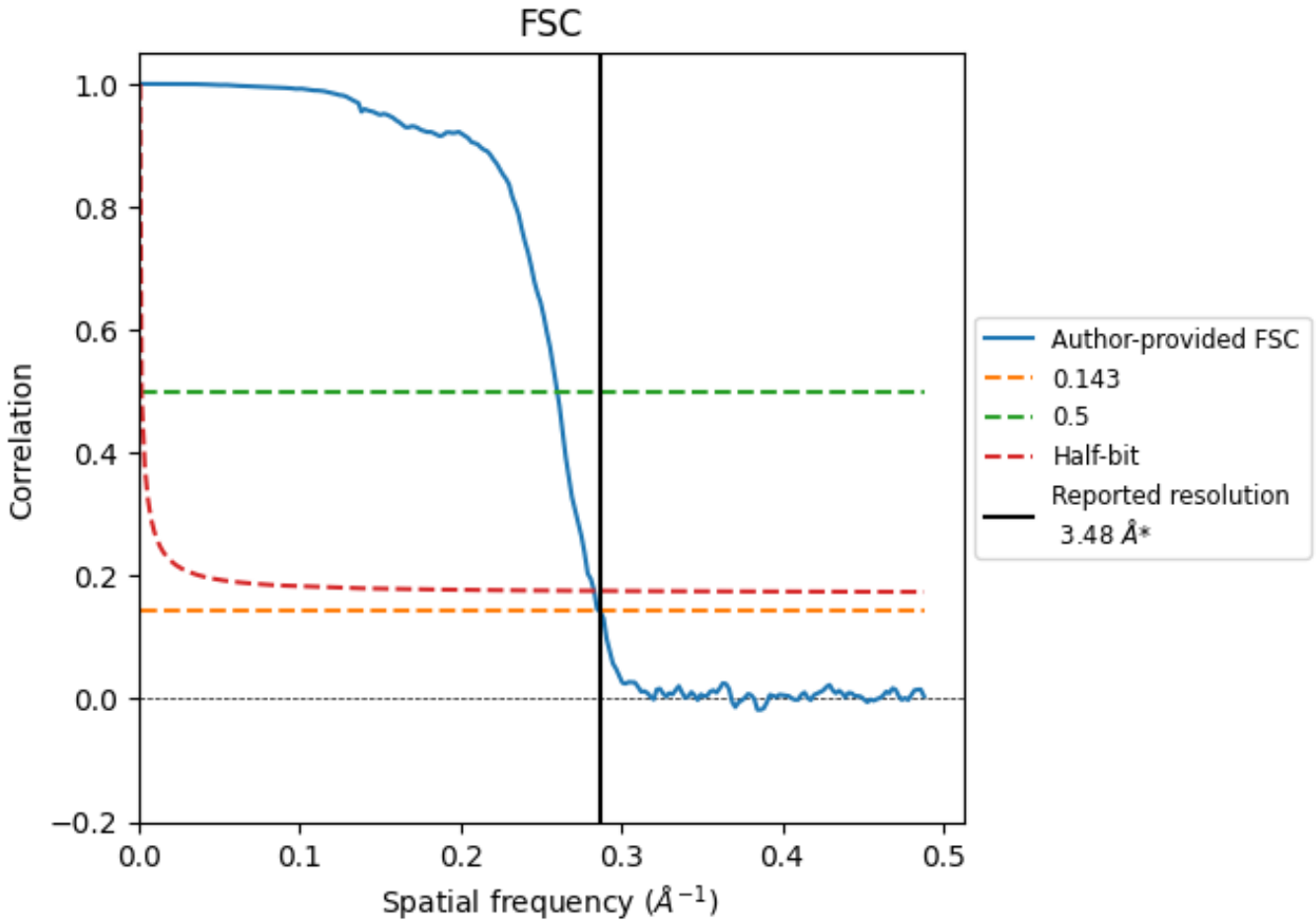


*Reported resolution corresponds to spatial frequency of 0.287 Å^{-1}

8 Fourier-Shell correlation

Fourier-Shell Correlation (FSC) is the most commonly used method to estimate the resolution of single-particle and subtomogram-averaged maps. The shape of the curve depends on the imposed symmetry, mask and whether or not the two 3D reconstructions used were processed from a common reference. The reported resolution is shown as a black line. A curve is displayed for the half-bit criterion in addition to lines showing the 0.143 gold standard cut-off and 0.5 cut-off.

8.1 FSC



*Reported resolution corresponds to spatial frequency of 0.287 Å^{-1}

8.2 Resolution estimates (i)

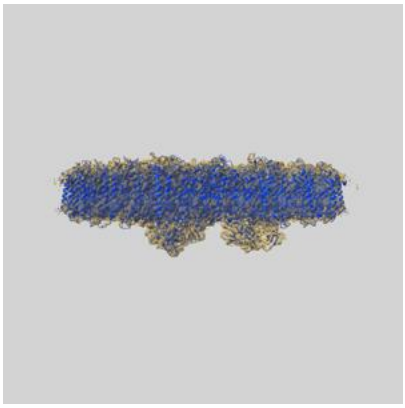
Resolution estimate (Å)	Estimation criterion (FSC cut-off)		
	0.143	0.5	Half-bit
Reported by author	3.48	-	-
Author-provided FSC curve	3.49	3.84	3.53
Unmasked-calculated*	-	-	-

*Resolution estimate based on FSC curve calculated by comparison of deposited half-maps.

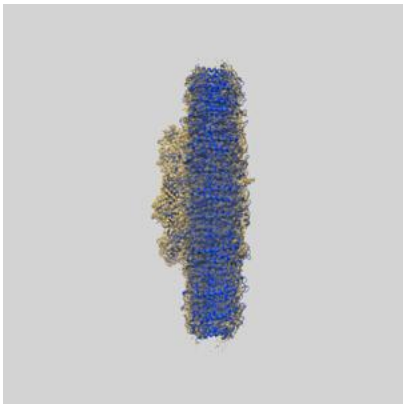
9 Map-model fit

This section contains information regarding the fit between EMDB map EMD-0524 and PDB model 6NWA. Per-residue inclusion information can be found in section 3 on page 50.

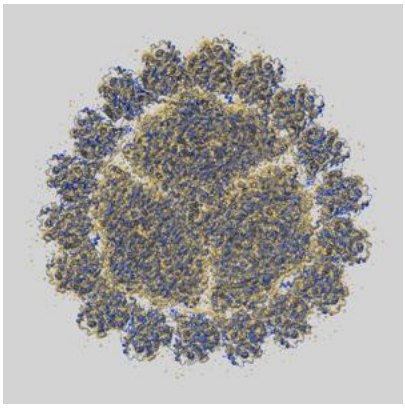
9.1 Map-model overlay



X



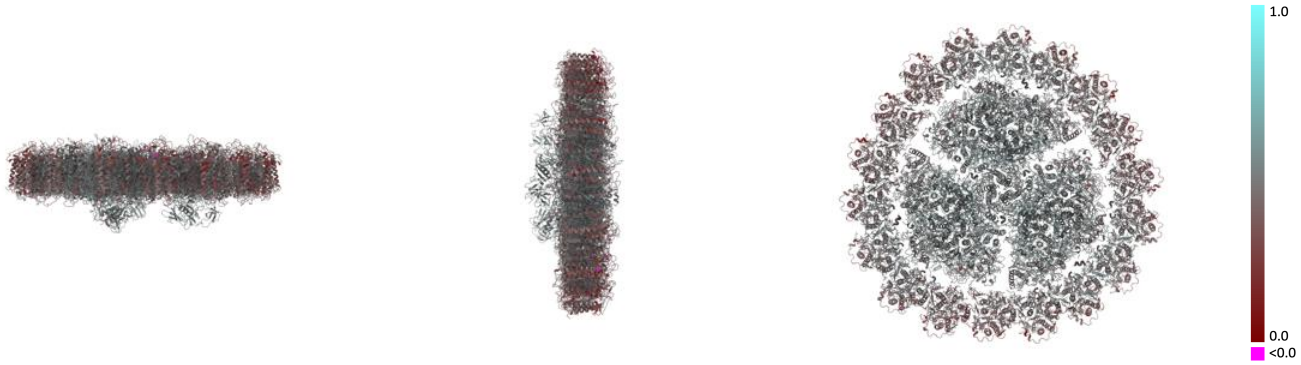
Y



Z

The images above show the 3D surface view of the map at the recommended contour level 0.0125 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

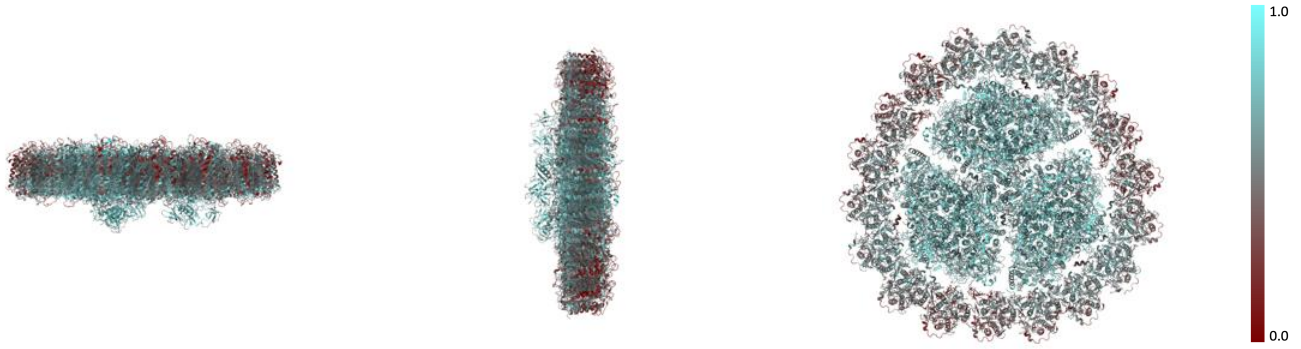
9.2 Q-score mapped to coordinate model



X Y Z

The images above show the model with each residue coloured according its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions at which atoms can be resolved. Low Q-score values may therefore be expected for many entries.

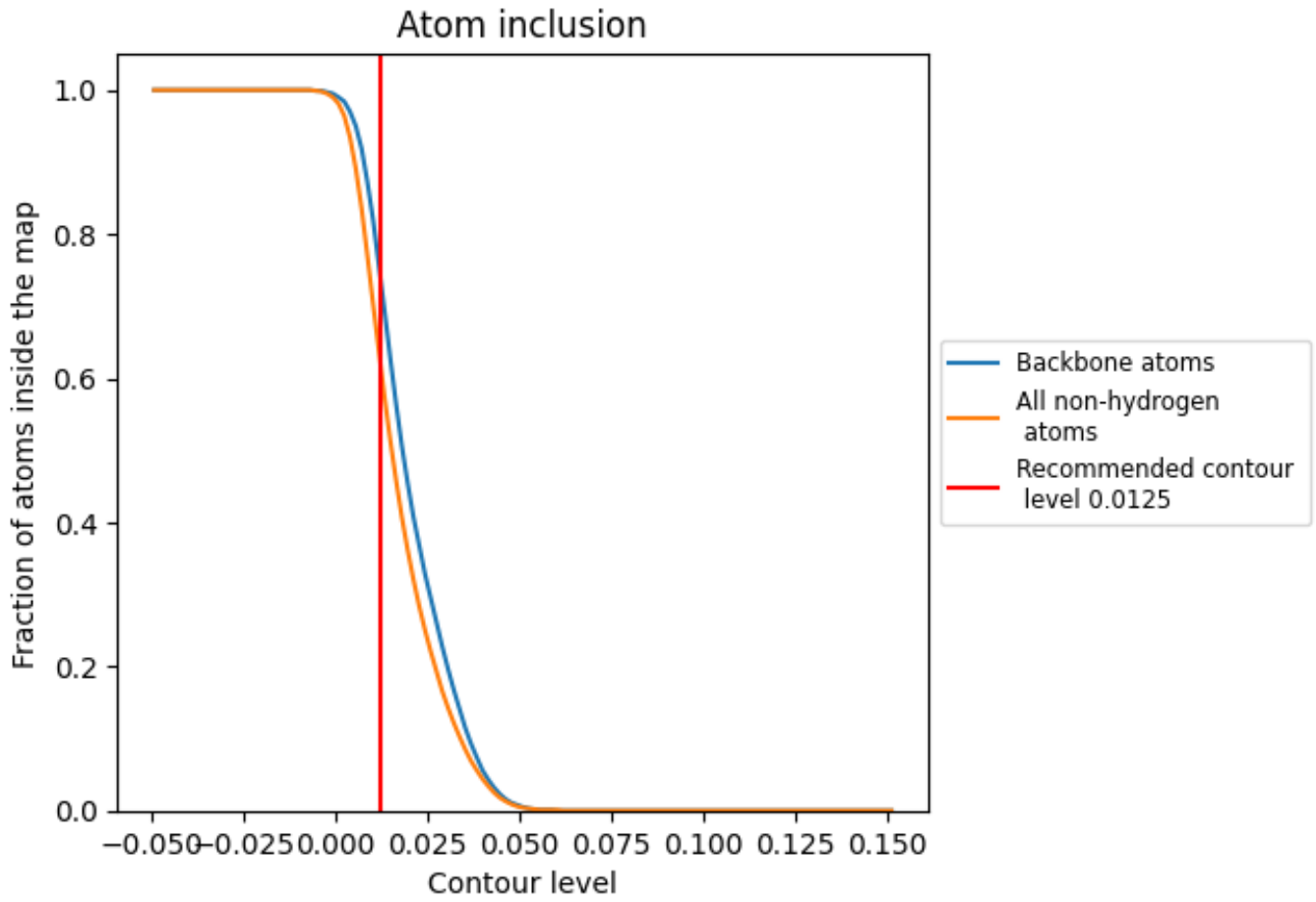
9.3 Atom inclusion mapped to coordinate model



X Y Z

The images above show the model with each residue coloured according to its atom inclusion. This shows to what extent they are inside the map at the recommended contour level (0.0125).

9.4 Atom inclusion (i)



At the recommended contour level, 73% of all backbone atoms, 61% of all non-hydrogen atoms, are inside the map.

9.5 Map-model fit summary

The table lists the average atom inclusion at the recommended contour level (0.0125) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	0.6100	0.4590
A	0.7410	0.5070
B	0.7360	0.5030
C	0.7990	0.5080
D	0.7050	0.5070
E	0.7060	0.4990
F	0.6980	0.4740
G	0.7370	0.5030
H	0.7440	0.5120
I	0.7630	0.5330
J	0.6770	0.4880
K	0.6250	0.4280
L	0.7250	0.5040
M	0.6150	0.4870
N	0.7970	0.5060
O	0.6980	0.5080
P	0.6930	0.5020
Q	0.6950	0.4790
R	0.7720	0.5320
S	0.6750	0.4990
T	0.6040	0.4130
U	0.7280	0.5080
V	0.6400	0.4670
W	0.4010	0.3750
X	0.5100	0.4280
Y	0.5550	0.4440
Z	0.5090	0.4170
a	0.7470	0.5120
b	0.7400	0.4980
c	0.8120	0.5120
d	0.7130	0.5070
e	0.7120	0.4910
f	0.7000	0.4690
g	0.4620	0.3980
h	0.3900	0.3840



Continued on next page...

Continued from previous page...

Chain	Atom inclusion	Q-score
i	0.7530	0.5260
j	0.6810	0.4840
k	0.6050	0.4380
l	0.7260	0.5090
m	0.6510	0.4870
n	0.4000	0.3750
o	0.5070	0.4270
p	0.5640	0.4490
q	0.5150	0.4220
r	0.4660	0.4010
s	0.5640	0.4540
t	0.4100	0.3800
u	0.5090	0.4350
v	0.3930	0.3890
w	0.5150	0.4210
x	0.4690	0.4060
y	0.3850	0.3830