Full wwPDB EM Validation Report ⓘ

Nov 9, 2026 – 08:29 PM EST

PDB ID	:	36AI / pdb_000036ai
EMDB ID	:	EMD-77326
Title	:	Structure of Photosystem I from Acaryochloris marina strain MU05
Authors	:	Mehra, H.M.; Gisriel, C.J.
Deposited on	:	2026-05-27
Resolution	:	1.77 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:

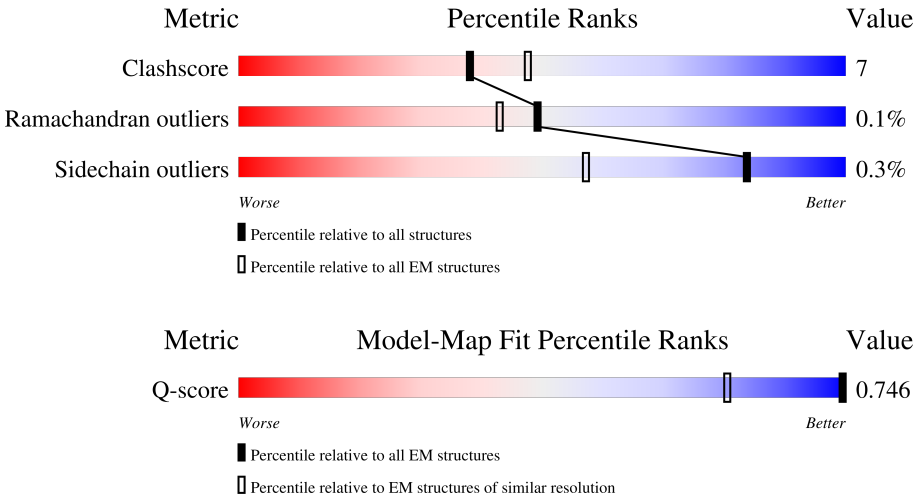
EMDB validation analysis	:	0.0.1.dev133
Mogul	:	2022.3.0, CSD as543be (2022)
MolProbity	:	4-5-2 with Phenix2.2
Buster-report	:	wwPDB partial adaption of 1.1.7 (2018)
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
EM percentile statistics	:	202505.v01 (Using data 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)	:	2.51

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 1.77 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.



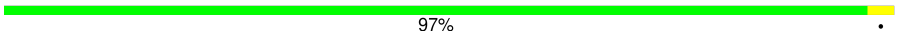
Metric	Whole archive (#Entries)	EM structures (#Entries)	Similar EM resolution (#Entries, resolution range(Å))
Clashscore	229148	23984	-
Ramachandran outliers	224038	23583	-
Sidechain outliers	223484	23102	-
Q-score	-	25397	694 (1.27 - 2.27)

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	753	82% 12% 5%
2	B	733	85% 14% •
3	C	81	84% 15% •
4	D	139	89% 9% •

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Mol	Chain	Length	Quality of chain
5	E	85	
6	F	167	
7	I	34	
8	K	86	
9	L	153	
10	M	31	
11	X	32	

The following table lists non-polymeric compounds, carbohydrate monomers and non-standard residues in protein, DNA, RNA chains that are outliers for geometric or electron-density-fit criteria:

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
12	G9R	A	801	X	-	-	-
14	CL7	A	803	X	-	-	-
14	CL7	A	804	X	-	-	-
14	CL7	A	805	X	-	-	-
14	CL7	A	806	X	-	-	-
14	CL7	A	807	X	-	-	-
14	CL7	A	808	X	-	-	-
14	CL7	A	809	X	-	-	-
14	CL7	A	810	X	-	-	-
14	CL7	A	811	X	-	-	-
14	CL7	A	812	X	-	-	-
14	CL7	A	813	X	-	-	-
14	CL7	A	814	X	-	-	-
14	CL7	A	815	X	-	-	-
14	CL7	A	816	X	-	-	-
14	CL7	A	817	X	-	-	-
14	CL7	A	818	X	-	-	-
14	CL7	A	819	X	-	-	-
14	CL7	A	820	X	-	-	-
14	CL7	A	821	X	-	-	-
14	CL7	A	822	X	-	-	-
14	CL7	A	823	X	-	-	-
14	CL7	A	826	X	-	-	-
14	CL7	A	827	X	-	-	-
14	CL7	A	828	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CL7	A	829	X	-	-	-
14	CL7	A	831	X	-	-	-
14	CL7	A	832	X	-	-	-
14	CL7	A	833	X	-	-	-
14	CL7	A	834	X	-	-	-
14	CL7	A	835	X	-	-	-
14	CL7	A	836	X	-	-	-
14	CL7	A	838	X	-	-	-
14	CL7	A	839	X	-	-	-
14	CL7	A	840	X	-	-	-
14	CL7	A	841	X	-	-	-
14	CL7	A	842	X	-	-	-
14	CL7	A	843	X	-	-	-
14	CL7	A	844	X	-	-	-
14	CL7	A	845	X	-	-	-
14	CL7	A	846	X	-	-	-
14	CL7	A	848	X	-	-	-
14	CL7	A	855	X	-	-	-
14	CL7	B	802	X	-	-	-
14	CL7	B	803	X	-	-	-
14	CL7	B	804	X	-	-	-
14	CL7	B	805	X	-	-	-
14	CL7	B	806	X	-	-	-
14	CL7	B	807	X	-	-	-
14	CL7	B	808	X	-	-	-
14	CL7	B	809	X	-	-	-
14	CL7	B	810	X	-	-	-
14	CL7	B	811	X	-	-	-
14	CL7	B	812	X	-	-	-
14	CL7	B	813	X	-	-	-
14	CL7	B	814	X	-	-	-
14	CL7	B	815	X	-	-	-
14	CL7	B	816	X	-	-	-
14	CL7	B	817	X	-	-	-
14	CL7	B	818	X	-	-	-
14	CL7	B	819	X	-	-	-
14	CL7	B	821	X	-	-	-
14	CL7	B	822	X	-	-	-
14	CL7	B	823	X	-	-	-
14	CL7	B	824	X	-	-	-
14	CL7	B	826	X	-	-	-
14	CL7	B	827	X	-	-	-

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Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
14	CL7	B	828	X	-	-	-
14	CL7	B	829	X	-	-	-
14	CL7	B	830	X	-	-	-
14	CL7	B	831	X	-	-	-
14	CL7	B	833	X	-	-	-
14	CL7	B	834	X	-	-	-
14	CL7	B	835	X	-	-	-
14	CL7	B	836	X	-	-	-
14	CL7	B	837	X	-	-	-
14	CL7	B	838	X	-	-	-
14	CL7	B	839	X	-	-	-
14	CL7	B	840	X	-	-	-
14	CL7	B	842	X	-	-	-
14	CL7	B	843	X	-	-	-
14	CL7	B	844	X	-	-	-
14	CL7	B	845	X	-	-	-
14	CL7	F	201	X	-	-	-
14	CL7	F	202	X	-	-	-
14	CL7	F	203	X	-	-	-
14	CL7	I	101	X	-	-	-
14	CL7	K	101	X	-	-	-
14	CL7	K	102	X	-	-	-
14	CL7	L	204	X	-	-	-
14	CL7	L	205	X	-	-	-
14	CL7	L	207	X	-	-	-
18	WVN	A	849	-	X	-	-
18	WVN	A	850	-	X	-	-
18	WVN	A	851	-	X	-	-
18	WVN	A	852	-	X	-	-
18	WVN	A	853	-	X	-	-
18	WVN	B	848	-	X	-	-
18	WVN	B	849	-	X	-	-
18	WVN	B	850	-	X	-	-
18	WVN	B	851	-	X	-	-
18	WVN	F	204	-	X	-	-
18	WVN	F	205	-	X	-	-
18	WVN	I	102	-	X	-	-
18	WVN	K	103	-	X	-	-
18	WVN	L	201	-	X	-	-
18	WVN	L	202	-	X	-	-
18	WVN	L	209	-	X	-	-
18	WVN	M	101	-	X	-	-

2 Entry composition (i)

There are 22 unique types of molecules in this entry. The entry contains 24056 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	712	Total	C	N	O	S	0	0
			5615	3670	957	957	31		

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	516	MET	LEU	conflict	UNP A0AAT9GVI9
A	622	THR	SER	conflict	UNP A0AAT9GVI9

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

Mol	Chain	Residues	Atoms					AltConf	Trace
2	B	730	Total	C	N	O	S	0	0
			5810	3819	966	1003	22		

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
B	148	ILE	VAL	conflict	UNP A0AAT9GV97
B	247	SER	GLY	conflict	UNP A0AAT9GV97

- 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
			599	367	103	118	11		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
4	D	136	Total	C	N	O	S	0	0
			1040	653	180	203	4		

There is a discrepancy between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
D	112	THR	ALA	conflict	UNP A0AAT9GVK4

- Molecule 5 is a protein called PsaE.

Mol	Chain	Residues	Atoms					AltConf	Trace
5	E	67	Total	C	N	O	S	0	0
			526	331	94	100	1		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
6	F	132	Total	C	N	O	S	0	0
			981	625	171	181	4		

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
F	144	LEU	VAL	conflict	UNP A0AAT9GVR1
F	150	LEU	VAL	conflict	UNP A0AAT9GVR1

- Molecule 7 is a protein called Psa27 protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
7	I	31	Total	C	N	O	S	0	0
			233	157	34	40	2		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
8	K	67	Total	C	N	O	S	0	0
			509	338	83	84	4		

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

Mol	Chain	Residues	Atoms					AltConf	Trace
9	L	148	Total	C	N	O	S	0	0
			1052	675	174	199	4		

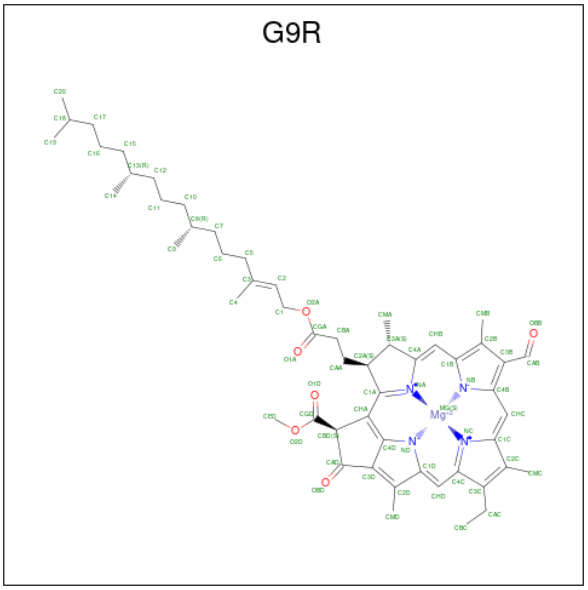
- Molecule 10 is a protein called PsaM.

Mol	Chain	Residues	Atoms					AltConf	Trace
10	M	31	Total	C	N	O	S	0	0
			223	147	34	41	1		

- Molecule 11 is a protein called PsaX.

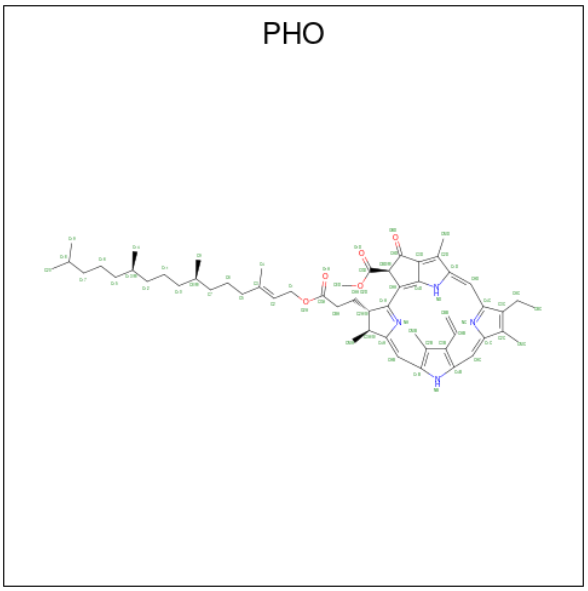
Mol	Chain	Residues	Atoms				AltConf	Trace
11	X	25	Total	C	N	O	0	0
			202	142	29	31		

- Molecule 12 is CHLOROPHYLL D ISOMER (CCD ID: G9R) (formula: $C_{54}H_{70}MgN_4O_6$).



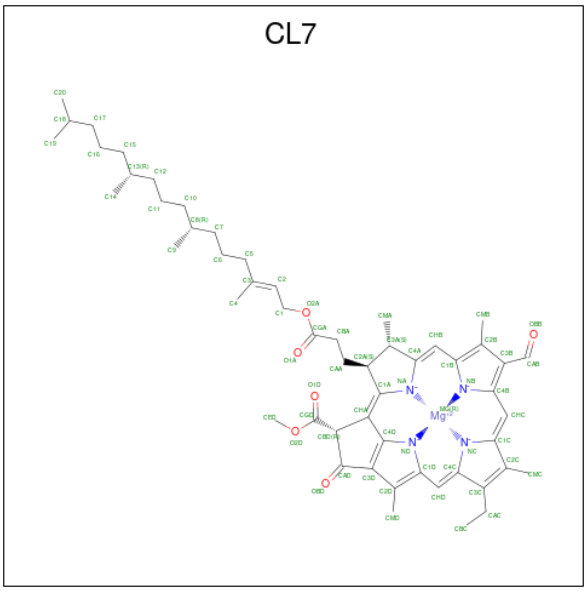
Mol	Chain	Residues	Atoms					AltConf
12	A	1	Total	C	Mg	N	O	0
			65	54	1	4	6	

- Molecule 13 is PHEOPHYTIN A (CCD ID: PHO) (formula: $C_{55}H_{74}N_4O_5$).



Mol	Chain	Residues	Atoms				AltConf
13	A	1	Total	C	N	O	0
			64	55	4	5	
13	A	1	Total	C	N	O	0
			64	55	4	5	

- Molecule 14 is CHLOROPHYLL D (CCD ID: CL7) (formula: $C_{54}H_{70}MgN_4O_6$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms					AltConf
14	A	1	Total	C	Mg	N	O	0
			65	54	1	4	6	

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Mol	Chain	Residues	Atoms					AltConf
14	A	1	Total	C	Mg	N	O	0
			45	34	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			45	34	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			50	39	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			50	39	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			55	44	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			41	32	1	4	4	
14	A	1	Total	C	Mg	N	O	0
			38	31	1	4	2	
14	A	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			38	31	1	4	2	
14	A	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			50	39	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			60	49	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			51	40	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			65	54	1	4	6	

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Mol	Chain	Residues	Atoms					AltConf
14	A	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			45	34	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			55	44	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			50	39	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			45	34	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			55	44	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			60	49	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			60	49	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			60	49	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			60	49	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			50	39	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			45	34	1	4	6	
14	A	1	Total	C	Mg	N	O	0
			41	32	1	4	4	
14	B	1	Total	C	Mg	N	O	0
			65	54	1	4	6	

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Mol	Chain	Residues	Atoms					AltConf
14	B	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			50	39	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			45	34	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			41	32	1	4	4	
14	B	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			41	32	1	4	4	
14	B	1	Total	C	Mg	N	O	0
			56	45	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			50	39	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			45	34	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			50	39	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			54	43	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			45	34	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			65	54	1	4	6	

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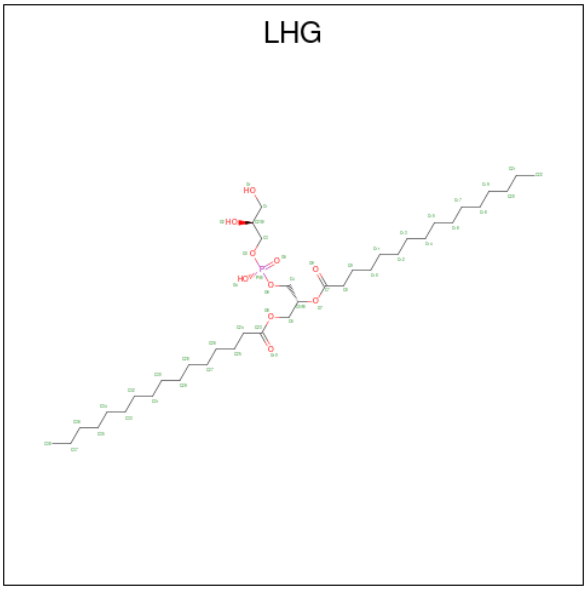
Mol	Chain	Residues	Atoms					AltConf
14	B	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			45	34	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			45	34	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			50	39	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			51	40	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			55	44	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			55	44	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			45	34	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			50	39	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			45	34	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			45	34	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			45	34	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			45	34	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			64	53	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			45	34	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			55	44	1	4	6	
14	B	1	Total	C	Mg	N	O	0
			60	49	1	4	6	
14	F	1	Total	C	Mg	N	O	0
			41	32	1	4	4	
14	F	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	F	1	Total	C	Mg	N	O	0
			45	34	1	4	6	

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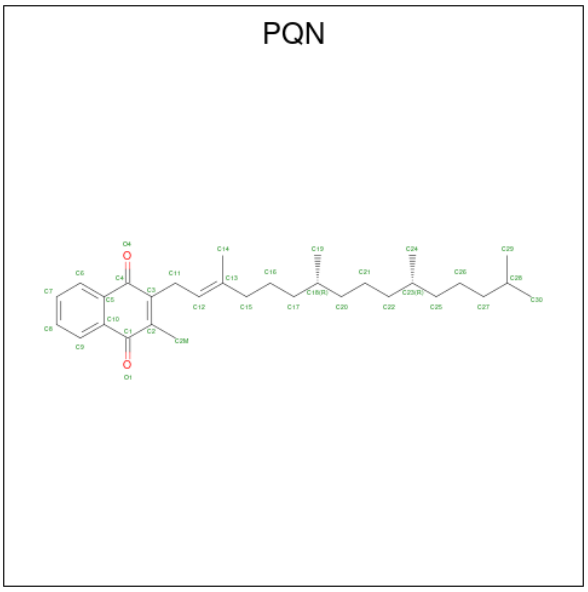
Mol	Chain	Residues	Atoms					AltConf
14	I	1	Total	C	Mg	N	O	0
			45	34	1	4	6	
14	K	1	Total	C	Mg	N	O	0
			41	32	1	4	4	
14	K	1	Total	C	Mg	N	O	0
			45	34	1	4	6	
14	L	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	L	1	Total	C	Mg	N	O	0
			65	54	1	4	6	
14	L	1	Total	C	Mg	N	O	0
			65	54	1	4	6	

- Molecule 15 is 1,2-DIPALMITOYL-PHOSPHATIDYL-GLYCEROLE (CCD ID: LHG) (formula: $C_{38}H_{75}O_{10}P$).



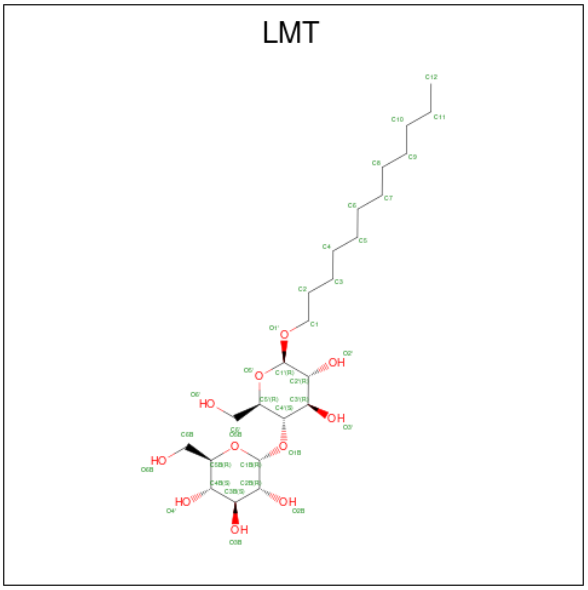
Mol	Chain	Residues	Atoms				AltConf
15	A	1	Total	C	O	P	0
			36	25	10	1	
15	A	1	Total	C	O	P	0
			46	35	10	1	
15	L	1	Total	C	O	P	0
			36	25	10	1	

- Molecule 16 is PHYLLOQUINONE (CCD ID: PQN) (formula: $C_{31}H_{46}O_2$).



Mol	Chain	Residues	Atoms	AltConf
16	A	1	Total C O 33 31 2	0
16	B	1	Total C O 33 31 2	0

- Molecule 17 is DODECYL-BETA-D-MALTOSIDE (CCD ID: LMT) (formula: $C_{24}H_{46}O_{11}$).



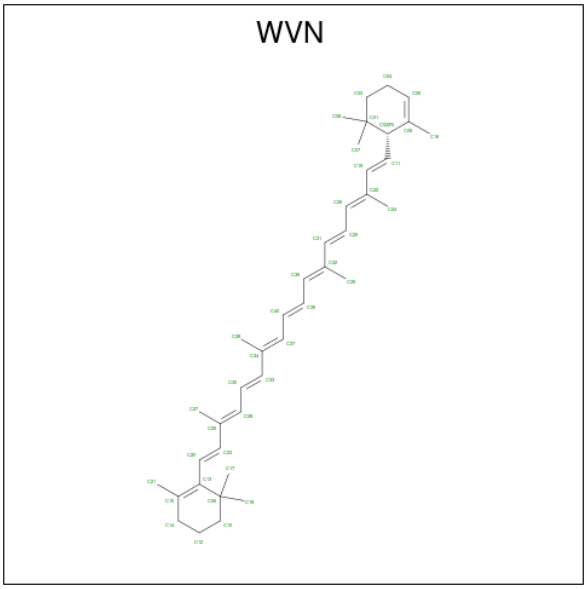
Mol	Chain	Residues	Atoms	AltConf
17	A	1	Total C O 35 24 11	0
17	A	1	Total C O 24 18 6	0

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Mol	Chain	Residues	Atoms	AltConf
17	B	1	Total C O 35 24 11	0
17	B	1	Total C O 35 24 11	0
17	L	1	Total C O 24 18 6	0
17	L	1	Total C O 35 24 11	0

- Molecule 18 is 1,3,3-trimethyl-2-[(1E,3E,5E,7E,9E,11E,13E,15E,17E)-3,7,12,16-tetramethyl-18-[(1R)-2,6,6-trimethylcyclohex-2-en-1-yl]octadeca-1,3,5,7,9,11,13,15,17-nonaenyl]cyclohexene (CCD ID: WVN) (formula: $C_{40}H_{56}$).



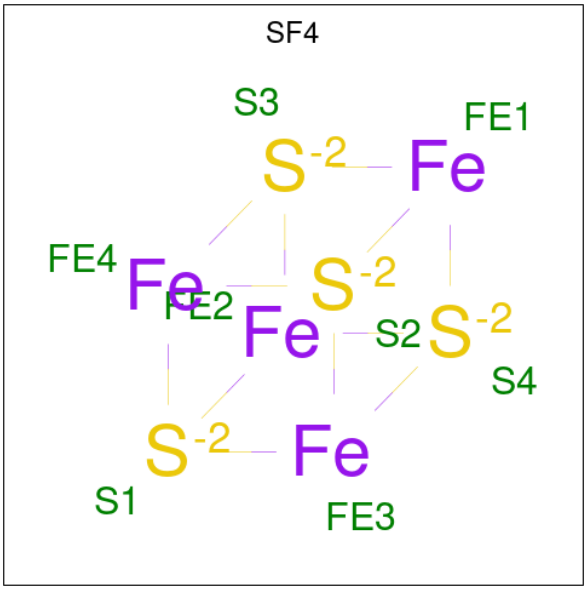
Mol	Chain	Residues	Atoms	AltConf
18	A	1	Total C 40 40	0
18	A	1	Total C 40 40	0
18	A	1	Total C 40 40	0
18	A	1	Total C 40 40	0
18	A	1	Total C 40 40	0
18	B	1	Total C 40 40	0

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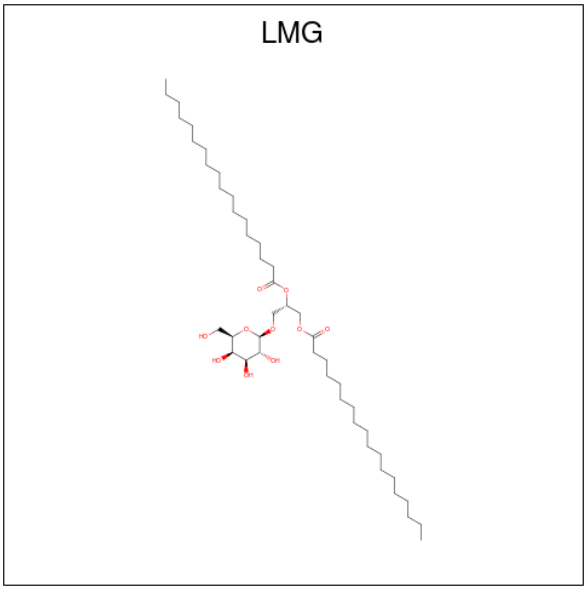
Mol	Chain	Residues	Atoms	AltConf
18	B	1	Total C 22 22	0
18	B	1	Total C 40 40	0
18	B	1	Total C 40 40	0
18	F	1	Total C 40 40	0
18	F	1	Total C 40 40	0
18	I	1	Total C 40 40	0
18	K	1	Total C 40 40	0
18	L	1	Total C 40 40	0
18	L	1	Total C 40 40	0
18	L	1	Total C 40 40	0
18	M	1	Total C 40 40	0

- Molecule 19 is IRON/SULFUR CLUSTER (CCD ID: SF4) (formula: Fe_4S_4).



Mol	Chain	Residues	Atoms	AltConf
19	B	1	Total Fe S 8 4 4	0
19	C	1	Total Fe S 8 4 4	0
19	C	1	Total Fe S 8 4 4	0

- Molecule 20 is 1,2-DISTEAROYL-MONOGALACTOSYL-DIGLYCERIDE (CCD ID: LMG) (formula: $C_{45}H_{86}O_{10}$).



Mol	Chain	Residues	Atoms	AltConf
20	B	1	Total C O 55 45 10	0

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

Mol	Chain	Residues	Atoms	AltConf
21	B	2	Total Ca 2 2	0

- Molecule 22 is water.

Mol	Chain	Residues	Atoms	AltConf
22	A	274	Total O 274 274	0
22	B	329	Total O 329 329	0

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Mol	Chain	Residues	Atoms	AltConf
22	C	85	Total O 85 85	0
22	D	97	Total O 97 97	0
22	E	24	Total O 24 24	0
22	F	7	Total O 7 7	0
22	I	5	Total O 5 5	0
22	K	1	Total O 1 1	0
22	L	80	Total O 80 80	0
22	M	7	Total O 7 7	0
22	X	1	Total O 1 1	0

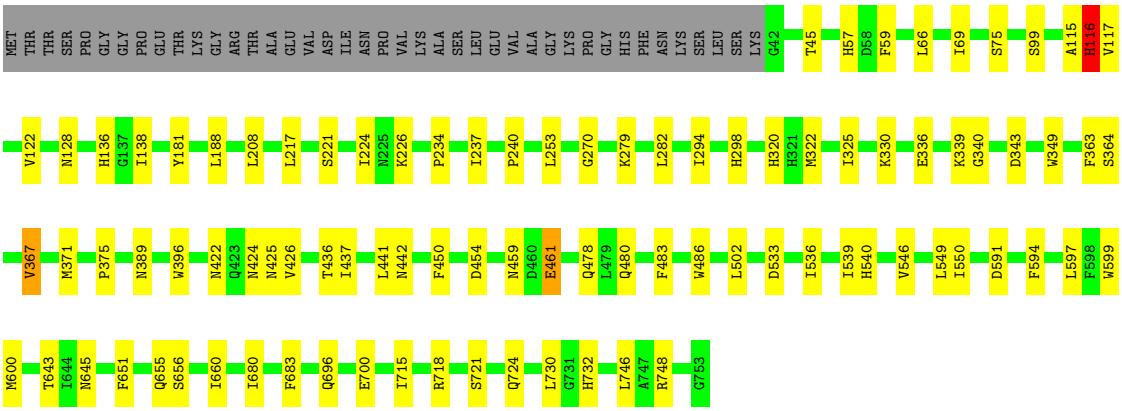
3 Residue-property plots (i)

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 2: Photosystem I P700 chlorophyll a apoprotein A2

Chain B:

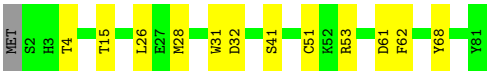




• Molecule 3: Photosystem I iron-sulfur center

Chain C:

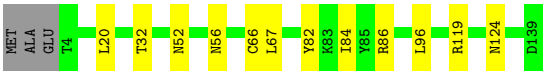




• Molecule 4: Photosystem I reaction center subunit II

Chain D:





• Molecule 5: PsaE

Chain E:

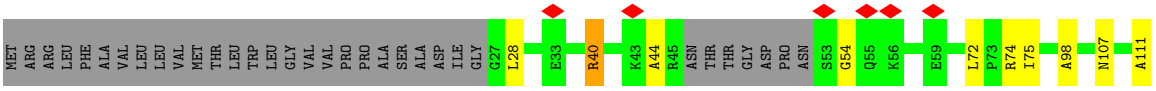


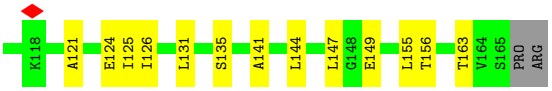


• Molecule 6: Photosystem I reaction center subunit III

Chain F:



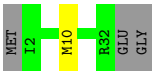




• Molecule 7: Psa27 protein

Chain I:

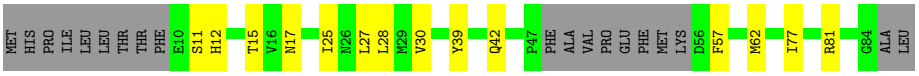




• Molecule 8: Photosystem I reaction center subunit PsaK

Chain K:





• Molecule 9: Photosystem I reaction center subunit XI

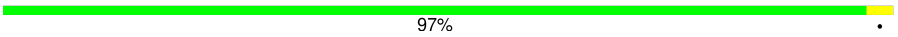
Chain L:





• Molecule 10: PsaM

Chain M:





• Molecule 11: PsaX

Chain X:





4 Experimental information (i)

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, Not provided	
Number of particles used	1776264	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	PHASE FLIPPING AND AMPLITUDE CORRECTION	Depositor
Microscope	TFS KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/Å^2$)	50	Depositor
Minimum defocus (nm)	700	Depositor
Maximum defocus (nm)	1900	Depositor
Magnification	Not provided	
Image detector	GATAN K3 (6k x 4k)	Depositor
Maximum map value	1.720	Depositor
Minimum map value	-0.622	Depositor
Average map value	0.000	Depositor
Map value standard deviation	0.011	Depositor
Recommended contour level	0.0127	Depositor
Map size (Å)	346.49997, 346.49997, 346.49997	wwPDB
Map dimensions	500, 500, 500	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	0.69299996, 0.69299996, 0.69299996	Depositor

5 Model quality

5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: G9R, WVN, LHG, SF4, PQN, CL7, LMG, PHO, LMT, CA

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	0.49	8/5807 (0.1%)	0.70	3/7915 (0.0%)
2	B	0.46	3/6025 (0.0%)	0.72	5/8242 (0.1%)
3	C	0.34	0/609	0.80	2/825 (0.2%)
4	D	0.30	0/1059	0.62	0/1429
5	E	0.25	0/536	0.63	0/726
6	F	0.33	0/1001	0.70	0/1355
7	I	0.33	0/238	0.75	0/324
8	K	0.33	0/523	0.83	2/709 (0.3%)
9	L	0.46	1/1077 (0.1%)	0.58	0/1469
10	M	0.30	0/223	0.50	0/302
11	X	0.36	0/208	0.57	0/286
All	All	0.44	12/17306 (0.1%)	0.70	12/23582 (0.1%)

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand.A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

Mol	Chain	#Chirality outliers	#Planarity outliers
2	B	0	2
6	F	0	1
All	All	0	3

All (12) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	A	539	ILE	C-O	-8.96	1.14	1.24
2	B	53	HIS	C-O	-8.19	1.14	1.24
9	L	56	TYR	C-O	-6.91	1.16	1.24
1	A	732	HIS	C-O	-6.66	1.16	1.24
2	B	520	HIS	C-O	-6.20	1.16	1.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	A	540	HIS	C-O	-6.17	1.17	1.24
1	A	298	HIS	C-O	-6.11	1.17	1.24
1	A	367	VAL	C-O	-5.88	1.17	1.24
1	A	437	ILE	C-O	-5.76	1.17	1.24
2	B	178	HIS	C-O	-5.71	1.17	1.24
1	A	461	GLU	C-O	-5.25	1.18	1.24
1	A	298	HIS	CA-C	5.03	1.59	1.52

All (12) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	A	436	THR	CA-CB-OG1	-7.87	97.79	109.60
3	C	31	TRP	CA-C-N	7.59	136.04	121.54
3	C	31	TRP	C-N-CA	7.59	136.04	121.54
1	A	279	LYS	CB-CA-C	-6.63	98.58	110.70
2	B	668	ARG	N-CA-C	5.46	116.92	111.07
2	B	488	PRO	N-CA-C	5.32	123.42	112.47
1	A	367	VAL	CB-CA-C	-5.21	105.11	112.14
2	B	4	LYS	CA-C-O	-5.15	115.07	120.63
2	B	329	HIS	CA-CB-CG	-5.13	108.67	113.80
8	K	11	SER	CA-C-N	5.12	134.30	121.80
8	K	11	SER	C-N-CA	5.12	134.30	121.80
2	B	318	GLN	N-CA-C	5.03	116.45	110.97

There are no chirality outliers.

All (3) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
2	B	301	MET	Peptide
2	B	487	TRP	Peptide
6	F	40	ARG	Sidechain

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	5615	0	5433	68	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
2	B	5810	0	5546	94	0
3	C	599	0	577	5	0
4	D	1040	0	1046	7	0
5	E	526	0	513	6	0
6	F	981	0	1003	17	0
7	I	233	0	242	1	0
8	K	509	0	515	9	0
9	L	1052	0	1051	6	0
10	M	223	0	257	1	0
11	X	202	0	216	0	0
12	A	65	0	0	0	0
13	A	128	0	148	12	0
14	A	2384	0	2234	82	0
14	B	2187	0	1954	89	0
14	F	151	0	127	8	0
14	I	45	0	31	1	0
14	K	86	0	58	0	0
14	L	195	0	210	7	0
15	A	82	0	110	2	0
15	L	36	0	45	2	0
16	A	33	0	46	3	0
16	B	33	0	46	0	0
17	A	59	0	81	5	0
17	B	70	0	92	1	0
17	L	59	0	81	3	0
18	A	200	0	0	4	0
18	B	142	0	0	3	0
18	F	80	0	0	0	0
18	I	40	0	0	0	0
18	K	40	0	0	0	0
18	L	120	0	0	1	0
18	M	40	0	0	0	0
19	B	8	0	0	0	0
19	C	16	0	0	0	0
20	B	55	0	86	6	0
21	B	2	0	0	0	0
22	A	274	0	0	2	0
22	B	329	0	0	0	0
22	C	85	0	0	0	0
22	D	97	0	0	0	0
22	E	24	0	0	0	0
22	F	7	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
22	I	5	0	0	1	0
22	K	1	0	0	0	0
22	L	80	0	0	0	0
22	M	7	0	0	0	0
22	X	1	0	0	0	0
All	All	24056	0	21748	330	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 7.

All (330) 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)
2:B:335:HIS:CD2	14:B:840:CL7:HAA2	2.14	0.82
2:B:171:ALA:O	14:B:840:CL7:HMD3	1.81	0.81
1:A:226:LYS:HD3	1:A:253:LEU:HD22	1.65	0.77
2:B:287:ALA:HB2	14:B:836:CL7:HBC2	1.69	0.74
14:A:818:CL7:HAB	14:A:819:CL7:HHB	1.69	0.74
1:A:599:TRP:CH2	14:A:803:CL7:HAB	2.24	0.73
1:A:340:GLY:O	22:A:901:HOH:O	2.06	0.72
4:D:52:ASN:H	4:D:56:ASN:HD21	1.35	0.72
13:A:802:PHO:H203	14:A:829:CL7:H51C	1.73	0.69
2:B:301:MET:HE2	14:B:836:CL7:O2D	1.95	0.67
2:B:454:GLU:HG3	6:F:28:LEU:HD11	1.77	0.66
2:B:655:LEU:HG	14:B:819:CL7:HAB	1.78	0.66
14:B:831:CL7:H8	17:B:832:LMT:H11	1.77	0.66
14:B:840:CL7:HBC3	14:B:840:CL7:HHD	1.80	0.64
1:A:422:ASN:HD22	1:A:425:ASN:HD21	1.44	0.64
14:B:806:CL7:H2	14:B:806:CL7:H101	1.80	0.63
14:A:814:CL7:HBC2	14:A:826:CL7:HBA1	1.78	0.63
2:B:409:LEU:HD21	14:B:823:CL7:HBC3	1.81	0.62
6:F:155:LEU:HD12	6:F:156:THR:HG23	1.81	0.62
14:B:812:CL7:CGD	14:B:829:CL7:HBA2	2.30	0.62
14:B:815:CL7:HED2	14:B:823:CL7:HMA2	1.80	0.62
2:B:582:TRP:CH2	14:B:802:CL7:HAB	2.35	0.61
14:B:831:CL7:H71C	14:B:844:CL7:H61C	1.83	0.61
14:A:822:CL7:H93C	18:A:849:WVN:C39	2.31	0.61
4:D:66:CYS:HB3	4:D:84:ILE:HD13	1.82	0.61
2:B:301:MET:HE2	14:B:836:CL7:CED	2.31	0.60
1:A:396:TRP:CD1	14:A:827:CL7:HAB	2.36	0.60
1:A:116:HIS:CD2	1:A:138:ILE:HD11	2.36	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
15:A:825:LHG:HC62	14:A:826:CL7:HAB	1.82	0.60
2:B:545:LYS:HE3	6:F:163:THR:HG22	1.83	0.60
14:A:818:CL7:HAB	14:A:819:CL7:CHB	2.31	0.59
14:B:836:CL7:HMA3	14:B:840:CL7:NC	2.17	0.59
2:B:93:ASP:HB3	2:B:96:LEU:HG	1.83	0.59
14:A:808:CL7:H41C	18:A:850:WVN:C39	2.33	0.59
2:B:313:TYR:CE2	14:B:823:CL7:HBA1	2.37	0.59
2:B:440:VAL:HG21	14:B:816:CL7:HAC2	1.85	0.59
1:A:270:GLY:HA2	14:A:844:CL7:HAA1	1.85	0.59
17:L:206:LMT:H62	14:L:207:CL7:H92C	1.84	0.59
2:B:433:ASP:CG	14:B:816:CL7:HAB	2.28	0.58
13:A:854:PHO:H101	18:B:848:WVN:C36	2.32	0.58
2:B:335:HIS:CD2	14:B:840:CL7:CAA	2.86	0.58
2:B:40:GLU:HG2	2:B:165:LEU:HB2	1.86	0.58
1:A:478:GLN:HE21	1:A:480:GLN:HE21	1.52	0.58
8:K:25:ILE:HA	8:K:28:LEU:HD23	1.86	0.58
2:B:345:VAL:HG12	14:B:811:CL7:H41C	1.84	0.57
2:B:412:HIS:CE1	14:B:823:CL7:O1D	2.58	0.57
6:F:72:LEU:HB2	6:F:74:ARG:HH12	1.69	0.57
1:A:343:ASP:HB2	22:A:901:HOH:O	2.04	0.56
2:B:342:ILE:HD11	14:B:840:CL7:H52C	1.87	0.56
1:A:680:ILE:HD11	14:A:829:CL7:HAB	1.87	0.56
2:B:334:PHE:HE1	14:B:840:CL7:HAB	1.69	0.56
5:E:21:ILE:HD12	5:E:68:VAL:HG21	1.88	0.56
2:B:594:PHE:HB2	14:B:830:CL7:HMC1	1.87	0.56
8:K:27:LEU:HA	8:K:30:VAL:HG12	1.87	0.56
2:B:342:ILE:HD11	14:B:840:CL7:H11C	1.88	0.55
8:K:15:THR:HG22	8:K:17:ASN:H	1.71	0.55
1:A:483:PHE:HB3	14:A:820:CL7:H42C	1.88	0.55
2:B:191:THR:HG21	2:B:278:LEU:HB2	1.88	0.55
2:B:275:HIS:HB3	14:B:845:CL7:HMB1	1.87	0.55
2:B:301:MET:HE1	14:B:836:CL7:HMA1	1.90	0.54
14:B:814:CL7:H41C	14:B:821:CL7:HBC3	1.88	0.54
2:B:175:MET:HE2	14:B:840:CL7:ND	2.22	0.54
14:A:821:CL7:H191	14:L:205:CL7:H72C	1.89	0.54
2:B:359:ILE:HG12	2:B:366:GLN:OE1	2.08	0.54
1:A:349:TRP:HB3	14:A:806:CL7:HAC1	1.89	0.53
1:A:599:TRP:HH2	14:A:803:CL7:HAB	1.72	0.53
14:B:829:CL7:H42C	14:B:830:CL7:H11C	1.90	0.53
1:A:502:LEU:HB3	14:A:844:CL7:HED2	1.91	0.53
2:B:721:TYR:HB2	14:B:803:CL7:HED3	1.90	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:15:ASP:HB3	2:B:20:ARG:HB2	1.91	0.53
1:A:45:THR:HB	1:A:718:ARG:HG3	1.90	0.52
1:A:75:SER:OG	1:A:181:TYR:HB2	2.09	0.52
1:A:224:ILE:HD11	1:A:240:PRO:HG3	1.90	0.52
14:B:836:CL7:OBB	14:B:840:CL7:H2	2.09	0.52
14:A:829:CL7:H101	16:A:830:PQN:H271	1.90	0.52
4:D:119:ARG:HE	4:D:124:ASN:HD22	1.58	0.52
2:B:447:PRO:HG2	6:F:40:ARG:NH2	2.24	0.52
14:B:805:CL7:H43C	7:I:10:MET:HE2	1.91	0.52
1:A:442:ASN:OD1	13:A:854:PHO:CED	2.57	0.52
14:A:823:CL7:HMC2	14:B:818:CL7:H2	1.92	0.52
2:B:172:GLU:OE2	14:B:840:CL7:HBC2	2.09	0.52
2:B:437:HIS:HD2	2:B:438:ASN:HD22	1.56	0.51
2:B:601:VAL:HG22	2:B:606:LEU:HD21	1.92	0.51
9:L:70:GLY:HA2	17:L:206:LMT:H4B	1.91	0.51
9:L:46:ARG:O	9:L:50:ILE:HG13	2.11	0.51
2:B:28:VAL:HG23	2:B:29:HIS:CD2	2.45	0.51
2:B:176:ASN:HB3	2:B:291:TYR:HD2	1.76	0.51
8:K:39:TYR:HB3	8:K:42:GLN:HE22	1.75	0.51
4:D:86:ARG:HB2	4:D:96:LEU:HD11	1.92	0.50
6:F:141:ALA:HB1	6:F:144:LEU:HD21	1.94	0.50
2:B:438:ASN:HD21	2:B:451:ILE:H	1.58	0.50
3:C:4:THR:HB	3:C:68:TYR:HB2	1.94	0.50
1:A:367:VAL:HG13	1:A:371:MET:SD	2.51	0.50
14:A:818:CL7:H192	20:B:825:LMG:H371	1.93	0.50
3:C:26:LEU:HA	3:C:41:SER:O	2.11	0.50
1:A:66:LEU:HD23	1:A:188:LEU:HD21	1.93	0.50
2:B:4:LYS:HB2	22:I:202:HOH:O	2.11	0.50
2:B:419:HIS:CD2	14:B:823:CL7:HMB3	2.46	0.50
6:F:144:LEU:HA	6:F:147:LEU:HG	1.93	0.50
1:A:320:HIS:HB3	1:A:325:ILE:HD11	1.94	0.50
1:A:115:ALA:O	1:A:116:HIS:C	2.55	0.49
14:B:821:CL7:HBC1	20:B:825:LMG:H391	1.93	0.49
2:B:129:MET:HE2	14:B:826:CL7:HMA2	1.94	0.49
14:A:803:CL7:H18	14:B:808:CL7:HMC2	1.94	0.49
2:B:385:TYR:CG	2:B:534:CYS:HB3	2.46	0.49
1:A:208:LEU:HD21	14:A:833:CL7:HAC1	1.94	0.49
14:B:828:CL7:HBA2	14:B:838:CL7:HMB3	1.94	0.49
1:A:502:LEU:HB2	14:A:838:CL7:HED2	1.93	0.49
2:B:196:HIS:CE1	2:B:217:PRO:HG3	2.48	0.49
2:B:700:LEU:HD22	2:B:704:GLN:NE2	2.28	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A:817:CL7:HBC1	15:A:825:LHG:H161	1.95	0.49
14:B:836:CL7:C1A	14:B:836:CL7:CGA	2.90	0.49
6:F:149:GLU:HB3	6:F:155:LEU:HB3	1.95	0.49
2:B:442:VAL:HG22	2:B:447:PRO:HB3	1.94	0.49
1:A:696:GLN:O	1:A:700:GLU:HG3	2.13	0.48
14:A:826:CL7:HBA2	14:A:826:CL7:HBD	1.95	0.48
13:A:854:PHO:CGA	13:A:854:PHO:H3A	2.43	0.48
6:F:125:ILE:HG13	6:F:126:ILE:HG12	1.95	0.48
2:B:645:VAL:O	2:B:649:ILE:HG13	2.14	0.48
1:A:486:TRP:HA	17:A:837:LMT:H6E	1.96	0.48
18:A:853:WVN:C38	14:A:855:CL7:HHB	2.44	0.48
2:B:26:ALA:HB1	20:B:825:LMG:H111	1.95	0.48
2:B:291:TYR:HA	2:B:299:HIS:O	2.13	0.48
14:A:810:CL7:H92C	14:A:810:CL7:H41C	1.94	0.48
14:A:828:CL7:H41C	14:A:828:CL7:H61C	1.55	0.48
2:B:342:ILE:HD11	14:B:840:CL7:C5	2.44	0.48
2:B:171:ALA:HB1	14:B:840:CL7:HHD	1.95	0.48
16:A:830:PQN:H293	14:A:836:CL7:HBC3	1.96	0.47
14:F:202:CL7:H62C	14:F:202:CL7:H142	1.96	0.47
2:B:244:PHE:H	2:B:264:GLN:HE21	1.62	0.47
2:B:174:GLN:HB2	14:B:827:CL7:HBC2	1.97	0.47
13:A:802:PHO:H192	14:A:829:CL7:H2	1.95	0.47
14:A:834:CL7:H41C	14:A:834:CL7:H61C	1.73	0.47
14:B:806:CL7:H151	14:B:806:CL7:HBA1	1.95	0.47
14:A:828:CL7:H122	14:A:828:CL7:H162	1.59	0.47
14:B:840:CL7:HAA1	14:B:840:CL7:HBD	1.96	0.47
3:C:51:CYS:SG	3:C:53:ARG:HG3	2.55	0.47
2:B:346:VAL:O	2:B:350:MET:HG3	2.14	0.47
2:B:22:TRP:CG	2:B:704:GLN:HE22	2.34	0.46
14:B:818:CL7:H41C	14:B:818:CL7:H62C	1.77	0.46
6:F:121:ALA:O	6:F:124:GLU:HB2	2.15	0.46
14:A:807:CL7:HED3	14:A:828:CL7:H72C	1.95	0.46
2:B:679:VAL:HG13	2:B:693:TRP:CZ2	2.50	0.46
1:A:656:SER:O	1:A:660:ILE:HG12	2.14	0.46
13:A:802:PHO:C19	14:A:829:CL7:H2	2.45	0.46
14:A:822:CL7:H152	14:A:822:CL7:H112	1.66	0.46
2:B:576:PHE:HZ	20:B:825:LMG:H191	1.80	0.46
3:C:15:THR:HG22	3:C:28:MET:HG3	1.97	0.46
14:F:202:CL7:H13	14:F:202:CL7:H102	1.48	0.46
14:A:804:CL7:HBA1	14:A:804:CL7:HBD	1.97	0.46
14:A:810:CL7:H52C	14:A:810:CL7:H11C	1.73	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:322:MET:HA	1:A:325:ILE:HD12	1.98	0.46
1:A:389:ASN:HD21	1:A:746:LEU:HD11	1.80	0.46
14:A:827:CL7:H91C	14:A:827:CL7:H112	1.76	0.46
2:B:451:ILE:HG23	6:F:75:ILE:HG13	1.98	0.46
14:B:823:CL7:HBA2	14:B:823:CL7:CHA	2.45	0.46
6:F:111:ALA:HB3	6:F:131:LEU:HD21	1.97	0.46
14:B:840:CL7:HBC3	14:B:840:CL7:CHD	2.46	0.45
1:A:116:HIS:HB3	1:A:138:ILE:HG12	1.98	0.45
2:B:175:MET:HE2	14:B:840:CL7:C4D	2.46	0.45
14:B:844:CL7:H11C	14:B:844:CL7:H52C	1.70	0.45
1:A:217:LEU:HA	1:A:221:SER:HB2	1.97	0.45
1:A:645:ASN:HB2	2:B:651:LEU:HD11	1.98	0.45
14:A:819:CL7:H62C	14:A:819:CL7:H2	1.77	0.45
14:A:826:CL7:H52C	14:A:826:CL7:H11C	1.77	0.45
2:B:437:HIS:CD2	2:B:437:HIS:C	2.95	0.45
14:A:848:CL7:H3A	14:A:848:CL7:HBA1	1.72	0.45
2:B:175:MET:CE	14:B:836:CL7:HHB	2.46	0.45
14:B:806:CL7:H142	14:B:806:CL7:H112	1.79	0.45
5:E:24:VAL:HG13	5:E:36:VAL:HG13	1.97	0.45
14:L:207:CL7:H51C	14:L:207:CL7:H11C	1.66	0.45
1:A:57:HIS:HA	1:A:59:PHE:CE2	2.51	0.45
14:A:821:CL7:H92C	14:A:821:CL7:H62C	1.80	0.45
14:B:840:CL7:H41C	14:B:840:CL7:H62C	1.41	0.45
4:D:32:THR:O	4:D:82:TYR:HA	2.16	0.45
1:A:591:ASP:HA	1:A:594:PHE:HB3	1.98	0.45
2:B:320:LEU:HD23	2:B:320:LEU:HA	1.82	0.45
3:C:61:ASP:HA	3:C:62:PHE:HA	1.83	0.45
9:L:52:MET:HE3	18:L:209:WVN:C25	2.47	0.45
1:A:122:VAL:HB	14:B:816:CL7:HMD2	1.99	0.45
18:A:852:WVN:C40	18:A:852:WVN:C06	2.95	0.45
14:B:845:CL7:H143	14:B:845:CL7:H112	1.83	0.45
14:A:832:CL7:HBA1	14:A:832:CL7:H3A	1.71	0.44
14:A:842:CL7:H8	14:A:842:CL7:H122	1.61	0.44
2:B:275:HIS:CD2	14:B:845:CL7:HAB	2.52	0.44
1:A:66:LEU:HA	1:A:69:ILE:HG22	2.00	0.44
1:A:442:ASN:OD1	13:A:854:PHO:HED2	2.16	0.44
2:B:258:MET:HE2	2:B:258:MET:HB2	1.74	0.44
14:A:829:CL7:H41C	14:A:829:CL7:H62C	1.53	0.44
6:F:44:ALA:HB1	6:F:54:GLY:HA3	1.98	0.44
6:F:98:ALA:HB1	14:F:202:CL7:H12C	1.99	0.44
1:A:363:PHE:O	1:A:367:VAL:HG23	2.17	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A:817:CL7:H13	14:A:817:CL7:H102	1.62	0.44
2:B:295:PHE:HD2	14:B:833:CL7:HAA1	1.82	0.44
14:B:837:CL7:HBC3	14:B:840:CL7:H193	1.98	0.44
1:A:599:TRP:HE1	13:A:854:PHO:C1D	2.30	0.44
2:B:375:TYR:CD2	14:B:813:CL7:HAB	2.53	0.44
2:B:679:VAL:O	2:B:683:GLN:HG3	2.17	0.44
1:A:721:SER:OG	1:A:724:GLN:HG3	2.18	0.44
14:A:841:CL7:H3A	14:A:841:CL7:HBA2	1.68	0.44
14:A:817:CL7:H3A	14:A:817:CL7:HBA1	1.78	0.44
2:B:475:LEU:HD13	14:B:828:CL7:HMD3	1.98	0.44
14:B:822:CL7:H111	14:B:822:CL7:H72C	1.57	0.44
20:B:825:LMG:H381	20:B:825:LMG:H351	1.74	0.44
1:A:116:HIS:HB3	1:A:138:ILE:CG1	2.48	0.44
14:A:840:CL7:H62C	14:A:843:CL7:H91C	1.99	0.44
2:B:721:TYR:O	2:B:725:VAL:HG23	2.17	0.44
14:B:831:CL7:HAB	14:B:833:CL7:H72C	2.00	0.44
6:F:98:ALA:HB3	14:F:202:CL7:H111	2.00	0.43
8:K:77:ILE:O	8:K:81:ARG:HB2	2.18	0.43
1:A:282:LEU:HD21	1:A:375:PRO:HD2	2.00	0.43
14:A:845:CL7:H143	14:A:845:CL7:H111	1.85	0.43
14:B:804:CL7:H122	14:B:804:CL7:H162	1.57	0.43
1:A:450:PHE:O	1:A:454:ASP:HB2	2.18	0.43
14:A:821:CL7:H41C	14:A:821:CL7:H61C	1.51	0.43
8:K:77:ILE:O	8:K:81:ARG:CB	2.66	0.43
6:F:107:ASN:HB2	6:F:135:SER:HB2	1.99	0.43
1:A:115:ALA:O	1:A:117:VAL:HG23	2.18	0.43
14:A:821:CL7:H202	14:A:821:CL7:H161	1.73	0.43
2:B:519:VAL:HG23	14:B:803:CL7:H141	2.00	0.43
14:B:808:CL7:H43C	9:L:77:SER:HB3	2.00	0.43
15:L:208:LHG:H142	15:L:208:LHG:H171	1.88	0.43
1:A:533:ASP:HA	1:A:536:ILE:HG22	2.01	0.43
14:B:814:CL7:H143	14:B:814:CL7:H161	1.80	0.43
14:A:821:CL7:H162	14:A:821:CL7:H122	1.59	0.43
2:B:37:MET:HE2	2:B:37:MET:HB2	1.81	0.43
1:A:294:ILE:HG23	14:A:813:CL7:HMA3	2.00	0.43
1:A:442:ASN:ND2	2:B:678:LEU:HD21	2.34	0.43
14:A:820:CL7:H41C	17:A:837:LMT:H62	2.01	0.43
5:E:38:VAL:O	5:E:57:THR:HA	2.18	0.43
1:A:364:SER:HB2	14:A:815:CL7:HMC2	2.00	0.43
1:A:459:ASN:HB3	1:A:643:THR:HG22	2.00	0.43
14:A:832:CL7:HBD	17:A:847:LMT:H1'	2.01	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:A:808:CL7:HAB	14:A:827:CL7:H142	2.01	0.43
14:A:822:CL7:H61C	14:A:822:CL7:H41C	1.58	0.43
2:B:324:TYR:CZ	2:B:331:GLN:HG2	2.53	0.43
14:A:844:CL7:HBA2	14:A:844:CL7:HBD	2.00	0.42
17:L:206:LMT:H6E	14:L:207:CL7:HBA2	2.00	0.42
14:A:815:CL7:HBA1	14:A:815:CL7:H3A	1.78	0.42
13:A:854:PHO:NC	13:A:854:PHO:ND	2.67	0.42
2:B:545:LYS:HA	2:B:545:LYS:HD3	1.81	0.42
14:B:845:CL7:H121	14:B:845:CL7:H61C	2.00	0.42
2:B:49:THR:HG23	14:B:821:CL7:HMB2	2.00	0.42
2:B:175:MET:HE1	14:B:836:CL7:HMB3	2.00	0.42
1:A:99:SER:HA	1:A:115:ALA:HA	2.01	0.42
1:A:597:LEU:HD12	1:A:730:LEU:HD21	2.01	0.42
13:A:802:PHO:H3A	13:A:802:PHO:CGA	2.49	0.42
14:B:812:CL7:C4B	14:B:828:CL7:H3A	2.50	0.42
14:B:812:CL7:HED2	18:B:851:WVN:C38	2.49	0.42
14:A:836:CL7:HED2	2:B:418:SER:HB2	2.00	0.42
2:B:150:LEU:HD23	10:M:25:LEU:HD23	2.01	0.42
13:A:802:PHO:O1A	2:B:425:MET:HG2	2.20	0.42
14:A:838:CL7:H2	14:A:838:CL7:H62C	1.66	0.42
2:B:129:MET:SD	2:B:134:ASP:HB3	2.60	0.42
14:B:814:CL7:H102	20:B:825:LMG:H392	2.01	0.42
1:A:336:GLU:OE1	1:A:424:ASN:HB3	2.19	0.42
13:A:802:PHO:NC	13:A:802:PHO:ND	2.67	0.42
14:A:821:CL7:H8	14:A:821:CL7:H121	1.81	0.42
14:A:845:CL7:H52C	14:A:845:CL7:H11C	1.83	0.42
1:A:441:LEU:HD13	1:A:549:LEU:HA	2.02	0.42
14:A:822:CL7:H162	14:A:822:CL7:H202	1.80	0.42
1:A:322:MET:HB3	14:A:845:CL7:HED3	2.01	0.42
14:A:808:CL7:H3A	14:A:808:CL7:HBA1	1.72	0.42
14:A:827:CL7:H92C	14:A:827:CL7:H62C	1.88	0.42
2:B:537:GLY:HA3	2:B:575:SER:OG	2.20	0.42
14:L:204:CL7:H3A	14:L:204:CL7:HBA1	1.70	0.42
14:A:815:CL7:H41C	14:A:815:CL7:H62C	1.81	0.42
2:B:375:TYR:HB3	14:B:813:CL7:HMC2	2.02	0.41
14:B:803:CL7:H112	14:B:803:CL7:H142	1.80	0.41
14:B:804:CL7:HHC	14:B:822:CL7:H42C	2.02	0.41
14:B:824:CL7:H202	14:F:202:CL7:HBC1	2.02	0.41
5:E:10:ILE:HG21	5:E:17:TRP:O	2.20	0.41
8:K:12:HIS:CE1	8:K:81:ARG:HG2	2.56	0.41
8:K:39:TYR:HB3	8:K:42:GLN:NE2	2.35	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:426:VAL:HG23	14:A:826:CL7:HBC3	2.02	0.41
1:A:683:PHE:HZ	14:A:829:CL7:HBC2	1.85	0.41
5:E:12:ARG:HE	5:E:60:PHE:HE1	1.68	0.41
2:B:260:GLY:HA2	2:B:501:ALA:HB2	2.03	0.41
14:B:836:CL7:HBA2	14:B:840:CL7:OBB	2.20	0.41
14:F:202:CL7:H52C	14:F:202:CL7:H8	1.60	0.41
14:A:826:CL7:HMB1	14:A:855:CL7:HAB	2.02	0.41
14:A:828:CL7:H61C	14:A:828:CL7:H93C	1.87	0.41
14:A:832:CL7:H8	14:A:832:CL7:H52C	1.82	0.41
2:B:419:HIS:CG	14:B:823:CL7:HMB3	2.55	0.41
9:L:20:PRO:HB3	15:L:208:LHG:HC42	2.03	0.41
1:A:234:PRO:HA	1:A:237:ILE:HD12	2.03	0.41
1:A:363:PHE:HZ	14:A:840:CL7:H71C	1.85	0.41
1:A:546:VAL:O	1:A:550:ILE:HG13	2.21	0.41
14:A:817:CL7:H52C	14:L:205:CL7:H12C	2.03	0.41
17:A:837:LMT:H42	17:A:837:LMT:H11	1.84	0.41
2:B:439:ASP:OD1	2:B:615:TYR:HB2	2.20	0.41
14:A:814:CL7:HBC1	14:A:845:CL7:H2	2.02	0.41
14:F:202:CL7:H93C	14:F:202:CL7:CAD	2.51	0.41
1:A:138:ILE:HD13	1:A:138:ILE:HG21	1.85	0.41
1:A:389:ASN:HD21	1:A:746:LEU:HD21	1.85	0.41
14:A:823:CL7:H43C	14:B:818:CL7:H43C	2.03	0.41
14:B:840:CL7:H62C	14:B:840:CL7:H93C	1.74	0.41
5:E:27:VAL:HG22	5:E:36:VAL:HG22	2.03	0.41
1:A:715:ILE:HG13	6:F:121:ALA:HB1	2.03	0.41
17:A:837:LMT:H102	17:A:837:LMT:H72	1.96	0.41
2:B:582:TRP:HH2	14:B:802:CL7:HAB	1.81	0.41
14:B:817:CL7:HBC1	14:B:824:CL7:H93C	2.03	0.41
4:D:20:LEU:HD23	4:D:20:LEU:HA	1.98	0.41
1:A:600:MET:HG2	14:A:846:CL7:HBC1	2.03	0.41
16:A:830:PQN:H302	16:A:830:PQN:H261	1.89	0.41
2:B:86:PRO:HB3	2:B:121:TYR:CD2	2.56	0.41
2:B:430:HIS:CD2	18:B:849:WVN:C33	3.04	0.41
2:B:494:TRP:CH2	14:B:838:CL7:H2A	2.56	0.41
1:A:128:ASN:HB3	1:A:136:HIS:HB3	2.02	0.40
1:A:655:GLN:HG2	1:A:748:ARG:CZ	2.51	0.40
14:A:815:CL7:H142	14:A:815:CL7:H111	1.76	0.40
4:D:67:LEU:HA	4:D:67:LEU:HD23	1.94	0.40
8:K:57:PHE:CE2	8:K:62:MET:HB3	2.56	0.40
1:A:330:LYS:HD2	1:A:336:GLU:HA	2.03	0.40
14:A:842:CL7:H161	14:A:842:CL7:H141	1.76	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:B:258:MET:HE3	2:B:269:TRP:CG	2.56	0.40
2:B:586:THR:HG21	14:B:829:CL7:HBC2	2.03	0.40
14:I:101:CL7:HBA1	14:I:101:CL7:H3A	1.89	0.40
1:A:240:PRO:HB2	14:A:834:CL7:HMD1	2.04	0.40
1:A:651:PHE:O	1:A:655:GLN:HB2	2.22	0.40
2:B:419:HIS:CE1	14:B:823:CL7:CMB	3.04	0.40
2:B:426:PHE:HB2	14:F:202:CL7:HED3	2.02	0.40
2:B:628:SER:O	2:B:632:ILE:HG12	2.22	0.40
14:B:830:CL7:H52C	14:B:830:CL7:H12C	1.83	0.40
14:B:833:CL7:H2	14:B:833:CL7:H61C	1.93	0.40
9:L:23:SER:HB3	9:L:108:VAL:HG12	2.04	0.40
2:B:294:GLN:HG3	2:B:295:PHE:CD1	2.56	0.40
2:B:350:MET:HB3	2:B:350:MET:HE2	1.79	0.40
14:B:823:CL7:HBA2	14:B:823:CL7:HBD	2.03	0.40
14:L:205:CL7:H91C	14:L:205:CL7:H112	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	710/753 (94%)	690 (97%)	19 (3%)	1 (0%)	48 33
2	B	728/733 (99%)	702 (96%)	25 (3%)	1 (0%)	48 33
3	C	78/81 (96%)	76 (97%)	1 (1%)	1 (1%)	9 2
4	D	134/139 (96%)	130 (97%)	4 (3%)	0	100 100
5	E	65/85 (76%)	63 (97%)	2 (3%)	0	100 100
6	F	128/167 (77%)	123 (96%)	5 (4%)	0	100 100
7	I	29/34 (85%)	29 (100%)	0	0	100 100
8	K	63/86 (73%)	60 (95%)	3 (5%)	0	100 100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
9	L	146/153 (95%)	146 (100%)	0	0	100 100
10	M	29/31 (94%)	29 (100%)	0	0	100 100
11	X	23/32 (72%)	22 (96%)	1 (4%)	0	100 100
All	All	2133/2294 (93%)	2070 (97%)	60 (3%)	3 (0%)	49 33

All (3) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	116	HIS
3	C	32	ASP
2	B	488	PRO

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	569/602 (94%)	566 (100%)	3 (0%)	81 73
2	B	591/592 (100%)	589 (100%)	2 (0%)	86 80
3	C	68/69 (99%)	68 (100%)	0	100 100
4	D	111/113 (98%)	111 (100%)	0	100 100
5	E	57/68 (84%)	57 (100%)	0	100 100
6	F	103/132 (78%)	103 (100%)	0	100 100
7	I	24/26 (92%)	24 (100%)	0	100 100
8	K	51/68 (75%)	51 (100%)	0	100 100
9	L	109/112 (97%)	109 (100%)	0	100 100
10	M	25/25 (100%)	25 (100%)	0	100 100
11	X	23/28 (82%)	23 (100%)	0	100 100
All	All	1731/1835 (94%)	1726 (100%)	5 (0%)	84 80

All (5) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	116	HIS
1	A	339	LYS
1	A	461	GLU
2	B	258	MET
2	B	264	GLN

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (35) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	80	HIS
1	A	94	HIS
1	A	111	ASN
1	A	133	ASN
1	A	192	GLN
1	A	259	GLN
1	A	297	HIS
1	A	350	HIS
1	A	389	ASN
1	A	422	ASN
1	A	478	GLN
1	A	485	GLN
1	A	525	GLN
1	A	543	GLN
1	A	602	ASN
1	A	630	ASN
2	B	29	HIS
2	B	53	HIS
2	B	264	GLN
2	B	331	GLN
2	B	373	HIS
2	B	412	HIS
2	B	437	HIS
2	B	438	ASN
2	B	462	GLN
2	B	608	GLN
4	D	39	GLN
4	D	56	ASN
4	D	115	ASN
4	D	124	ASN
4	D	126	ASN
6	F	112	ASN
8	K	42	GLN
9	L	32	ASN

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Mol	Chain	Res	Type
9	L	105	HIS

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 128 ligands modelled in this entry, 2 are monoatomic - leaving 126 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	$\#\|Z\| > 2$
14	CL7	A	816	1	54,58,73	2.51	22 (40%)	62,95,113	2.63	25 (40%)
19	SF4	B	801	2,1	0,12,12	-	-	-		
18	WVN	B	849	-	13,14,41	79.23	13 (100%)	11,14,56	24.80	11 (100%)
14	CL7	B	810	2	45,49,73	2.74	22 (48%)	51,84,113	2.85	22 (43%)
13	PHO	A	854	-	58,69,69	1.02	4 (6%)	55,99,99	1.26	3 (5%)
14	CL7	A	804	1	49,53,73	2.63	20 (40%)	56,89,113	2.57	20 (35%)
14	CL7	A	823	22	69,73,73	2.17	21 (30%)	80,113,113	2.30	28 (35%)
14	CL7	B	826	2	69,73,73	2.24	22 (31%)	80,113,113	2.28	24 (30%)
18	WVN	B	851	-	40,41,41	474.39	40 (100%)	51,56,56	41.22	51 (100%)
14	CL7	B	813	2	60,64,73	2.41	21 (35%)	69,102,113	2.44	20 (28%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CL7	A	832	1	59,63,73	2.53	21 (35%)	68,101,113	2.55	24 (35%)
14	CL7	B	845	2	64,68,73	2.37	21 (32%)	74,107,113	2.44	28 (37%)
14	CL7	B	833	2	59,63,73	2.52	23 (38%)	68,101,113	2.55	25 (36%)
18	WVN	A	849	-	40,41,41	500.55	39 (97%)	51,56,56	41.31	49 (96%)
14	CL7	B	807	2	54,58,73	2.50	20 (37%)	62,95,113	2.50	23 (37%)
14	CL7	B	806	2	69,73,73	2.21	21 (30%)	80,113,113	2.41	28 (35%)
14	CL7	A	835	22	49,53,73	2.66	22 (44%)	56,89,113	2.57	20 (35%)
18	WVN	F	204	-	40,41,41	508.56	40 (100%)	51,56,56	40.83	50 (98%)
14	CL7	A	836	1	69,73,73	2.31	23 (33%)	80,113,113	2.40	26 (32%)
14	CL7	A	828	1	69,73,73	2.28	22 (31%)	80,113,113	2.43	24 (30%)
18	WVN	A	851	-	40,41,41	516.83	39 (97%)	51,56,56	42.59	50 (98%)
15	LHG	L	208	-	35,35,48	1.10	2 (5%)	38,41,54	1.06	2 (5%)
18	WVN	A	852	-	40,41,41	512.72	40 (100%)	51,56,56	42.03	48 (94%)
12	G9R	A	801	1	69,73,73	2.17	20 (28%)	82,113,113	2.29	23 (28%)
18	WVN	F	205	-	40,41,41	417.04	40 (100%)	51,56,56	39.90	50 (98%)
14	CL7	K	101	22	45,49,73	2.78	21 (46%)	51,84,113	2.66	18 (35%)
14	CL7	B	837	-	49,53,73	2.64	22 (44%)	56,89,113	2.62	22 (39%)
14	CL7	A	845	22	64,68,73	2.37	21 (32%)	74,107,113	2.36	25 (33%)
18	WVN	L	209	-	40,41,41	497.42	39 (97%)	51,56,56	40.29	51 (100%)
18	WVN	B	848	-	40,41,41	498.04	39 (97%)	51,56,56	39.98	49 (96%)
14	CL7	A	807	1	69,73,73	2.27	21 (30%)	80,113,113	2.38	22 (27%)
14	CL7	A	806	1	69,73,73	2.28	22 (31%)	80,113,113	2.38	27 (33%)
14	CL7	B	808	2	69,73,73	2.25	21 (30%)	80,113,113	2.28	24 (30%)
14	CL7	B	828	2	49,53,73	2.63	21 (42%)	56,89,113	2.63	20 (35%)
14	CL7	A	831	1	49,53,73	2.65	22 (44%)	56,89,113	2.68	22 (39%)
14	CL7	B	803	2	69,73,73	2.21	20 (28%)	80,113,113	2.27	25 (31%)
14	CL7	B	827	2	49,53,73	2.60	21 (42%)	56,89,113	2.73	20 (35%)
14	CL7	B	836	-	49,53,73	2.66	20 (40%)	56,89,113	2.77	20 (35%)
18	WVN	K	103	-	40,41,41	521.01	40 (100%)	51,56,56	40.99	50 (98%)
14	CL7	B	844	2	59,63,73	2.47	22 (37%)	68,101,113	2.56	25 (36%)
14	CL7	B	812	2	45,49,73	2.74	21 (46%)	51,84,113	2.67	21 (41%)
14	CL7	A	805	1,14	49,53,73	2.66	21 (42%)	56,89,113	2.72	22 (39%)
14	CL7	B	814	2	69,73,73	2.28	21 (30%)	80,113,113	2.35	30 (37%)
17	LMT	B	841	-	36,36,36	0.53	0	47,47,47	1.25	5 (10%)
14	CL7	B	829	22	54,58,73	2.57	21 (38%)	62,95,113	2.68	29 (46%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CL7	B	834	2	49,53,73	2.65	21 (42%)	56,89,113	2.65	21 (37%)
14	CL7	A	826	1	69,73,73	2.29	22 (31%)	80,113,113	2.33	28 (35%)
14	CL7	A	803	22	69,73,73	2.22	20 (28%)	80,113,113	2.15	23 (28%)
14	CL7	A	819	1	69,73,73	2.26	21 (30%)	80,113,113	2.49	25 (31%)
14	CL7	A	812	1	40,46,73	2.78	19 (47%)	48,80,113	2.55	16 (33%)
14	CL7	A	814	1	40,46,73	2.80	19 (47%)	48,80,113	2.72	16 (33%)
16	PQN	A	830	-	34,34,34	1.58	2 (5%)	43,45,45	1.23	6 (13%)
14	CL7	B	840	-	68,72,73	2.36	22 (32%)	78,111,113	2.52	25 (32%)
14	CL7	A	855	15	45,49,73	2.75	21 (46%)	51,84,113	2.63	20 (39%)
14	CL7	A	829	1	69,73,73	2.33	23 (33%)	80,113,113	2.38	25 (31%)
14	CL7	A	820	1	55,59,73	2.54	21 (38%)	62,96,113	2.53	23 (37%)
14	CL7	A	834	1	69,73,73	2.29	20 (28%)	80,113,113	2.38	24 (30%)
17	LMT	B	832	-	36,36,36	0.52	0	47,47,47	1.66	12 (25%)
14	CL7	L	204	9	69,73,73	2.27	21 (30%)	80,113,113	2.39	25 (31%)
14	CL7	B	804	2	69,73,73	2.25	21 (30%)	80,113,113	2.37	24 (30%)
17	LMT	L	206	-	36,36,36	0.54	0	47,47,47	1.22	3 (6%)
14	CL7	A	810	14	59,63,73	2.52	23 (38%)	68,101,113	2.64	28 (41%)
14	CL7	B	805	2	69,73,73	2.22	20 (28%)	80,113,113	2.33	27 (33%)
15	LHG	A	825	14	45,45,48	0.95	2 (4%)	48,51,54	1.12	4 (8%)
14	CL7	F	201	22	45,49,73	2.76	20 (44%)	51,84,113	2.72	19 (37%)
14	CL7	A	840	1	69,73,73	2.22	22 (31%)	80,113,113	2.32	23 (28%)
18	WVN	L	202	-	40,41,41	502.57	39 (97%)	51,56,56	40.04	50 (98%)
14	CL7	L	205	9	69,73,73	2.21	21 (30%)	80,113,113	2.36	24 (30%)
14	CL7	B	817	2	54,58,73	2.60	22 (40%)	62,95,113	2.61	24 (38%)
20	LMG	B	825	-	55,55,55	1.52	8 (14%)	63,63,63	1.38	11 (17%)
14	CL7	B	809	2	49,53,73	2.63	20 (40%)	56,89,113	2.64	19 (33%)
14	CL7	A	838	1	59,63,73	2.51	22 (37%)	68,101,113	2.51	23 (33%)
14	CL7	B	830	2	55,59,73	2.57	23 (41%)	62,96,113	2.86	31 (50%)
14	CL7	A	839	1	64,68,73	2.37	22 (34%)	74,107,113	2.44	29 (39%)
14	CL7	B	815	2	54,58,73	2.64	22 (40%)	62,95,113	2.50	22 (35%)
14	CL7	A	833	1	54,58,73	2.61	22 (40%)	62,95,113	2.78	27 (43%)
14	CL7	B	819	2	69,73,73	2.29	21 (30%)	80,113,113	2.37	24 (30%)
18	WVN	A	850	-	40,41,41	449.01	40 (100%)	51,56,56	39.86	49 (96%)
17	LMT	A	837	-	36,36,36	0.55	0	47,47,47	0.79	0
14	CL7	I	101	-	49,53,73	2.61	21 (42%)	56,89,113	2.64	19 (33%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CL7	B	842	2	49,53,73	2.64	20 (40%)	56,89,113	2.75	22 (39%)
18	WVN	M	101	-	40,41,41	506.87	39 (97%)	51,56,56	42.08	51 (100%)
14	CL7	A	817	1	64,68,73	2.33	21 (32%)	74,107,113	2.39	22 (29%)
14	CL7	A	809	22,1	54,58,73	2.61	22 (40%)	62,95,113	2.63	24 (38%)
13	PHO	A	802	-	58,69,69	0.90	4 (6%)	55,99,99	1.15	4 (7%)
19	SF4	C	101	3	0,12,12	-	-	-		
14	CL7	B	843	2	69,73,73	2.23	22 (31%)	80,113,113	2.21	26 (32%)
14	CL7	A	815	1	69,73,73	2.28	22 (31%)	80,113,113	2.25	27 (33%)
14	CL7	A	808	1	54,58,73	2.60	22 (40%)	62,95,113	2.56	24 (38%)
14	CL7	B	821	2	58,62,73	2.44	20 (34%)	66,99,113	2.69	27 (40%)
14	CL7	B	822	2	69,73,73	2.21	20 (28%)	80,113,113	2.40	30 (37%)
14	CL7	A	848	1	49,53,73	2.65	21 (42%)	56,89,113	4.14	20 (35%)
14	CL7	K	102	8	49,53,73	2.64	22 (44%)	56,89,113	2.63	21 (37%)
14	CL7	B	818	22	69,73,73	2.29	21 (30%)	80,113,113	2.38	23 (28%)
14	CL7	B	839	-	49,53,73	2.66	22 (44%)	56,89,113	2.65	21 (37%)
14	CL7	A	842	22	69,73,73	2.32	21 (30%)	80,113,113	3.80	28 (35%)
19	SF4	C	102	3	0,12,12	-	-	-		
14	CL7	B	824	2	69,73,73	2.27	22 (31%)	80,113,113	2.29	23 (28%)
14	CL7	A	846	22	54,58,73	2.49	21 (38%)	62,95,113	2.75	29 (46%)
14	CL7	A	843	1	69,73,73	2.32	22 (31%)	80,113,113	2.32	24 (30%)
14	CL7	A	811	22	45,49,73	2.77	22 (48%)	51,84,113	2.83	21 (41%)
17	LMT	L	203	-	24,24,36	0.53	0	29,29,47	1.50	4 (13%)
14	CL7	A	821	1	69,73,73	2.24	21 (30%)	80,113,113	2.31	23 (28%)
18	WVN	I	102	-	40,41,41	486.45	39 (97%)	51,56,56	41.58	50 (98%)
14	CL7	A	822	1	69,73,73	2.28	20 (28%)	80,113,113	2.37	25 (31%)
18	WVN	L	201	-	40,41,41	458.06	39 (97%)	51,56,56	37.32	46 (90%)
18	WVN	A	853	-	40,41,41	504.46	39 (97%)	51,56,56	41.10	51 (100%)
14	CL7	A	841	1	64,68,73	2.47	23 (35%)	74,107,113	2.55	30 (40%)
14	CL7	B	823	-	49,53,73	2.60	20 (40%)	56,89,113	2.76	23 (41%)
15	LHG	A	824	-	35,35,48	1.10	2 (5%)	38,41,54	1.16	3 (7%)
14	CL7	A	844	1	64,68,73	2.37	21 (32%)	74,107,113	2.45	26 (35%)
14	CL7	F	203	6	49,53,73	2.67	21 (42%)	56,89,113	2.63	21 (37%)
14	CL7	A	813	1	69,73,73	2.29	22 (31%)	80,113,113	2.26	25 (31%)
14	CL7	B	831	-	59,63,73	2.45	22 (37%)	68,101,113	2.61	25 (36%)
14	CL7	B	802	22	69,73,73	2.28	20 (28%)	80,113,113	2.34	24 (30%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\|>2$	Counts	RMSZ	$\#\|Z\|>2$
14	CL7	A	827	1	69,73,73	2.32	20 (28%)	80,113,113	2.37	24 (30%)
14	CL7	B	835	2	54,58,73	2.65	22 (40%)	62,95,113	2.72	28 (45%)
14	CL7	B	816	2	49,53,73	2.67	20 (40%)	56,89,113	2.79	24 (42%)
17	LMT	A	847	-	24,24,36	0.51	0	29,29,47	0.61	0
18	WVN	B	850	-	40,41,41	463.65	39 (97%)	51,56,56	40.05	49 (96%)
14	CL7	A	818	1	69,73,73	2.24	21 (30%)	80,113,113	2.30	22 (27%)
14	CL7	F	202	2	69,73,73	2.32	22 (31%)	80,113,113	2.34	24 (30%)
14	CL7	B	838	-	49,53,73	2.62	20 (40%)	56,89,113	2.69	21 (37%)
14	CL7	B	811	2	69,73,73	2.23	22 (31%)	80,113,113	2.33	27 (33%)
16	PQN	B	820	-	34,34,34	1.58	2 (5%)	43,45,45	1.06	2 (4%)
14	CL7	L	207	22	69,73,73	2.23	20 (28%)	80,113,113	2.40	26 (32%)

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
14	CL7	A	816	1	2/2/12/20	2/21/97/115	-
19	SF4	B	801	2,1	-	-	0/6/5/5
18	WVN	B	849	-	-	10/11/11/63	-
14	CL7	B	810	2	2/2/10/20	2/10/86/115	-
13	PHO	A	854	-	-	11/37/103/103	0/5/6/6
14	CL7	A	804	1	2/2/11/20	4/15/91/115	-
14	CL7	A	823	22	2/2/15/20	14/39/115/115	-
14	CL7	B	826	2	2/2/15/20	11/39/115/115	-
18	WVN	B	851	-	-	22/29/63/63	1/2/2/2
14	CL7	B	813	2	2/2/13/20	11/29/105/115	-
14	CL7	A	832	1	2/2/13/20	9/27/103/115	-
14	CL7	B	845	2	2/2/14/20	18/33/109/115	-
14	CL7	B	833	2	2/2/13/20	12/27/103/115	-
18	WVN	A	849	-	-	26/29/63/63	1/2/2/2
14	CL7	B	807	2	2/2/12/20	4/21/97/115	-
14	CL7	B	806	2	2/2/15/20	9/39/115/115	-
14	CL7	A	835	22	2/2/11/20	7/15/91/115	-
18	WVN	F	204	-	-	23/29/63/63	1/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CL7	A	836	1	2/2/15/20	13/39/115/115	-
14	CL7	A	828	1	2/2/15/20	22/39/115/115	-
18	WVN	A	851	-	-	24/29/63/63	2/2/2/2
15	LHG	L	208	-	-	21/40/40/53	-
18	WVN	A	852	-	-	25/29/63/63	1/2/2/2
12	G9R	A	801	1	1/1/15/20	10/39/115/115	-
18	WVN	F	205	-	-	27/29/63/63	2/2/2/2
14	CL7	K	101	22	2/2/10/20	2/10/86/115	-
14	CL7	B	837	-	2/2/11/20	6/15/91/115	-
14	CL7	A	845	22	2/2/14/20	13/33/109/115	-
18	WVN	L	209	-	-	23/29/63/63	2/2/2/2
18	WVN	B	848	-	-	27/29/63/63	1/2/2/2
14	CL7	A	807	1	2/2/15/20	10/39/115/115	-
14	CL7	A	806	1	1/1/15/20	20/39/115/115	-
14	CL7	B	808	2	2/2/15/20	3/39/115/115	-
14	CL7	B	828	2	2/2/11/20	5/15/91/115	-
14	CL7	A	831	1	2/2/11/20	8/15/91/115	-
14	CL7	B	803	2	2/2/15/20	7/39/115/115	-
14	CL7	B	827	2	2/2/11/20	11/15/91/115	-
14	CL7	B	836	-	2/2/11/20	6/15/91/115	-
18	WVN	K	103	-	-	22/29/63/63	1/2/2/2
14	CL7	B	844	2	2/2/13/20	6/27/103/115	-
14	CL7	B	812	2	2/2/10/20	4/10/86/115	-
14	CL7	A	805	1,14	1/1/11/20	9/15/91/115	-
14	CL7	B	814	2	2/2/15/20	16/39/115/115	-
17	LMT	B	841	-	-	9/21/61/61	0/2/2/2
14	CL7	B	829	22	2/2/12/20	5/21/97/115	-
14	CL7	B	834	2	2/2/11/20	7/15/91/115	-
14	CL7	A	826	1	2/2/15/20	18/39/115/115	-
14	CL7	A	803	22	2/2/15/20	8/39/115/115	-
14	CL7	A	819	1	2/2/15/20	18/39/115/115	-
14	CL7	A	812	1	2/2/9/20	2/4/80/115	-
14	CL7	A	814	1	2/2/9/20	0/4/80/115	-
16	PQN	A	830	-	-	9/23/43/43	0/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CL7	B	840	-	2/2/14/20	20/39/111/115	-
14	CL7	A	855	15	2/2/10/20	6/10/86/115	-
14	CL7	A	829	1	2/2/15/20	15/39/115/115	-
14	CL7	A	820	1	1/1/12/20	2/23/99/115	-
14	CL7	A	834	1	2/2/15/20	18/39/115/115	-
17	LMT	B	832	-	-	8/21/61/61	0/2/2/2
14	CL7	L	204	9	2/2/15/20	16/39/115/115	-
14	CL7	B	804	2	2/2/15/20	11/39/115/115	-
17	LMT	L	206	-	-	5/21/61/61	0/2/2/2
14	CL7	A	810	14	2/2/13/20	16/27/103/115	-
14	CL7	B	805	2	2/2/15/20	7/39/115/115	-
15	LHG	A	825	14	-	27/50/50/53	-
14	CL7	F	201	22	2/2/10/20	4/10/86/115	-
14	CL7	A	840	1	2/2/15/20	8/39/115/115	-
18	WVN	L	202	-	-	20/29/63/63	2/2/2/2
14	CL7	L	205	9	2/2/15/20	8/39/115/115	-
14	CL7	B	817	2	2/2/12/20	9/21/97/115	-
20	LMG	B	825	-	-	25/50/70/70	0/1/1/1
14	CL7	B	809	2	2/2/11/20	3/15/91/115	-
14	CL7	A	838	1	2/2/13/20	9/27/103/115	-
14	CL7	B	830	2	2/2/12/20	4/23/99/115	-
14	CL7	A	839	1	2/2/14/20	17/33/109/115	-
14	CL7	B	815	2	2/2/12/20	7/21/97/115	-
14	CL7	A	833	1	2/2/12/20	9/21/97/115	-
14	CL7	B	819	2	2/2/15/20	12/39/115/115	-
18	WVN	A	850	-	-	21/29/63/63	2/2/2/2
17	LMT	A	837	-	-	12/21/61/61	0/2/2/2
14	CL7	I	101	-	1/1/11/20	6/15/91/115	-
14	CL7	B	842	2	2/2/11/20	7/15/91/115	-
18	WVN	M	101	-	-	24/29/63/63	2/2/2/2
14	CL7	A	817	1	2/2/14/20	16/33/109/115	-
14	CL7	A	809	22,1	2/2/12/20	8/21/97/115	-
13	PHO	A	802	-	-	12/37/103/103	0/5/6/6
19	SF4	C	101	3	-	-	0/6/5/5

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CL7	B	843	2	2/2/15/20	15/39/115/115	-
14	CL7	A	815	1	2/2/15/20	16/39/115/115	-
14	CL7	A	808	1	2/2/12/20	13/21/97/115	-
14	CL7	B	821	2	2/2/12/20	7/26/102/115	-
14	CL7	B	822	2	1/1/15/20	14/39/115/115	-
14	CL7	A	848	1	2/2/11/20	8/15/91/115	-
14	CL7	K	102	8	2/2/11/20	8/15/91/115	-
14	CL7	B	818	22	2/2/15/20	9/39/115/115	-
14	CL7	B	839	-	2/2/11/20	8/15/91/115	-
14	CL7	A	842	22	2/2/15/20	18/39/115/115	-
19	SF4	C	102	3	-	-	0/6/5/5
14	CL7	B	824	2	2/2/15/20	15/39/115/115	-
14	CL7	A	846	22	2/2/12/20	5/21/97/115	-
14	CL7	A	843	1	2/2/15/20	14/39/115/115	-
14	CL7	A	811	22	2/2/10/20	6/10/86/115	-
17	LMT	L	203	-	-	8/15/35/61	0/1/1/2
14	CL7	A	821	1	2/2/15/20	19/39/115/115	-
18	WVN	I	102	-	-	23/29/63/63	1/2/2/2
14	CL7	A	822	1	2/2/15/20	11/39/115/115	-
18	WVN	L	201	-	-	25/29/63/63	2/2/2/2
18	WVN	A	853	-	-	24/29/63/63	1/2/2/2
14	CL7	A	841	1	2/2/14/20	14/33/109/115	-
14	CL7	B	823	-	2/2/11/20	6/15/91/115	-
15	LHG	A	824	-	-	25/40/40/53	-
14	CL7	A	844	1	2/2/14/20	14/33/109/115	-
14	CL7	F	203	6	2/2/11/20	9/15/91/115	-
14	CL7	A	813	1	2/2/15/20	11/39/115/115	-
14	CL7	B	831	-	2/2/13/20	10/27/103/115	-
14	CL7	B	802	22	2/2/15/20	11/39/115/115	-
14	CL7	A	827	1	2/2/15/20	13/39/115/115	-
14	CL7	B	835	2	2/2/12/20	10/21/97/115	-
14	CL7	B	816	2	2/2/11/20	9/15/91/115	-
17	LMT	A	847	-	-	7/15/35/61	0/1/1/2
18	WVN	B	850	-	-	22/29/63/63	2/2/2/2

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
14	CL7	A	818	1	2/2/15/20	15/39/115/115	-
14	CL7	F	202	2	2/2/15/20	18/39/115/115	-
14	CL7	B	838	-	2/2/11/20	7/15/91/115	-
14	CL7	B	811	2	2/2/15/20	17/39/115/115	-
16	PQN	B	820	-	-	9/23/43/43	0/2/2/2
14	CL7	L	207	22	2/2/15/20	15/39/115/115	-

All (2620) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	K	103	WVN	C09-C05	1354.17	26.90	1.32
18	A	851	WVN	C09-C05	1330.54	26.45	1.32
18	F	204	WVN	C09-C05	1318.35	26.22	1.32
18	A	852	WVN	C09-C05	1293.32	25.75	1.32
18	L	202	WVN	C09-C05	1288.33	25.66	1.32
18	A	849	WVN	C09-C05	1283.62	25.57	1.32
18	B	848	WVN	C09-C05	1280.92	25.52	1.32
18	M	101	WVN	C09-C05	1276.70	25.44	1.32
18	A	853	WVN	C09-C05	1258.69	25.10	1.32
18	L	209	WVN	C09-C05	1256.07	25.05	1.32
18	I	102	WVN	C09-C05	1234.77	24.64	1.32
18	A	852	WVN	C08-C01	1217.43	26.62	1.53
18	A	853	WVN	C08-C01	1216.08	26.59	1.53
18	A	851	WVN	C08-C01	1206.04	26.38	1.53
18	K	103	WVN	C08-C01	1201.92	26.30	1.53
18	F	204	WVN	C08-C01	1183.69	25.92	1.53
18	M	101	WVN	C08-C01	1170.00	25.64	1.53
18	B	848	WVN	C08-C01	1164.70	25.53	1.53
18	B	850	WVN	C09-C05	1158.68	23.21	1.32
18	L	209	WVN	C08-C01	1157.62	25.39	1.53
18	L	202	WVN	C08-C01	1153.20	25.30	1.53
18	A	853	WVN	C07-C01	1148.23	25.19	1.53
18	L	201	WVN	C09-C05	1147.73	23.00	1.32
18	A	852	WVN	C07-C01	1147.32	25.17	1.53
18	A	851	WVN	C07-C01	1137.30	24.97	1.53
18	K	103	WVN	C07-C01	1135.37	24.93	1.53
18	A	849	WVN	C08-C01	1131.39	24.85	1.53
18	L	202	WVN	C07-C01	1112.69	24.46	1.53
18	F	204	WVN	C07-C01	1109.26	24.39	1.53
18	K	103	WVN	C10-C06	1106.76	27.10	1.54
18	M	101	WVN	C07-C01	1106.30	24.33	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	A	850	WVN	C09-C05	1103.57	22.17	1.32
18	B	851	WVN	C09-C05	1101.04	22.12	1.32
18	B	848	WVN	C07-C01	1094.79	24.09	1.53
18	A	851	WVN	C10-C06	1090.88	26.73	1.54
18	L	209	WVN	C07-C01	1087.92	23.95	1.53
18	L	202	WVN	C10-C06	1085.90	26.62	1.54
18	L	209	WVN	C10-C06	1084.27	26.58	1.54
18	B	851	WVN	C07-C01	1084.13	23.87	1.53
18	F	204	WVN	C10-C06	1083.82	26.57	1.54
18	M	101	WVN	C10-C06	1077.15	26.42	1.54
18	A	849	WVN	C10-C06	1076.36	26.40	1.54
18	I	102	WVN	C08-C01	1075.57	23.70	1.53
18	A	852	WVN	C10-C06	1070.34	26.26	1.54
18	A	850	WVN	C08-C01	1060.77	23.39	1.53
18	B	848	WVN	C10-C06	1059.02	26.00	1.54
18	A	849	WVN	C07-C01	1056.52	23.30	1.53
18	A	853	WVN	C10-C06	1052.75	25.85	1.54
18	K	103	WVN	C04-C09	1050.45	28.65	1.50
18	I	102	WVN	C10-C06	1049.48	25.78	1.54
18	L	201	WVN	C08-C01	1046.91	23.11	1.53
18	B	851	WVN	C08-C01	1036.77	22.90	1.53
18	A	852	WVN	C04-C09	1031.24	28.15	1.50
18	A	851	WVN	C04-C09	1022.74	27.93	1.50
18	B	850	WVN	C08-C01	1022.23	22.60	1.53
18	F	204	WVN	C04-C09	1021.93	27.91	1.50
18	I	102	WVN	C07-C01	1018.53	22.52	1.53
18	B	848	WVN	C04-C09	1008.02	27.55	1.50
18	A	850	WVN	C07-C01	1004.57	22.23	1.53
18	M	101	WVN	C04-C09	1004.41	27.46	1.50
18	A	853	WVN	C04-C09	1004.39	27.46	1.50
18	L	202	WVN	C04-C09	1002.42	27.40	1.50
18	L	209	WVN	C04-C09	1002.07	27.40	1.50
18	L	201	WVN	C07-C01	983.21	21.79	1.53
18	B	850	WVN	C07-C01	980.77	21.74	1.53
18	B	851	WVN	C10-C06	980.21	24.18	1.54
18	A	849	WVN	C04-C09	969.09	26.54	1.50
18	B	850	WVN	C10-C06	966.52	23.86	1.54
18	F	205	WVN	C09-C05	957.52	19.41	1.32
18	L	201	WVN	C10-C06	956.13	23.62	1.54
18	I	102	WVN	C04-C09	951.73	26.09	1.50
18	A	849	WVN	C38-C34	947.25	20.67	1.50
18	B	850	WVN	C38-C34	921.48	20.15	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	A	852	WVN	C38-C34	912.61	19.97	1.50
18	B	851	WVN	C38-C34	912.45	19.96	1.50
18	A	851	WVN	C38-C34	910.86	19.93	1.50
18	F	204	WVN	C10-C12	901.91	22.92	1.52
18	M	101	WVN	C38-C34	901.65	19.74	1.50
18	I	102	WVN	C38-C34	897.31	19.66	1.50
18	B	850	WVN	C04-C09	896.41	24.66	1.50
18	K	103	WVN	C10-C12	895.59	22.77	1.52
18	K	103	WVN	C38-C34	894.97	19.61	1.50
18	L	202	WVN	C10-C12	892.30	22.69	1.52
18	A	853	WVN	C10-C12	891.95	22.68	1.52
18	A	850	WVN	C04-C09	889.21	24.48	1.50
18	A	852	WVN	C10-C12	884.45	22.51	1.52
18	A	851	WVN	C10-C12	881.67	22.44	1.52
18	L	209	WVN	C10-C12	881.12	22.43	1.52
18	A	849	WVN	C10-C12	880.02	22.40	1.52
18	B	848	WVN	C38-C34	878.82	19.28	1.50
18	B	851	WVN	C04-C09	874.59	24.10	1.50
18	A	850	WVN	C10-C06	872.86	21.70	1.54
18	L	202	WVN	C38-C34	866.98	19.04	1.50
18	M	101	WVN	C10-C12	866.80	22.09	1.52
18	B	848	WVN	C10-C12	865.49	22.06	1.52
18	F	205	WVN	C10-C06	864.50	21.50	1.54
18	F	204	WVN	C38-C34	853.46	18.77	1.50
18	L	209	WVN	C38-C34	851.71	18.73	1.50
18	L	201	WVN	C10-C12	849.51	21.68	1.52
18	L	201	WVN	C04-C09	843.81	23.30	1.50
18	F	205	WVN	C07-C01	840.22	18.85	1.53
18	I	102	WVN	C10-C12	839.91	21.45	1.52
18	F	205	WVN	C08-C01	838.06	18.80	1.53
18	L	201	WVN	C38-C34	837.88	18.45	1.50
18	A	853	WVN	C38-C34	836.54	18.43	1.50
18	F	205	WVN	C04-C09	783.29	21.74	1.50
18	F	205	WVN	C38-C34	782.63	17.34	1.50
18	A	850	WVN	C38-C34	777.74	17.24	1.50
18	B	851	WVN	C10-C12	774.42	19.90	1.52
18	B	850	WVN	C10-C12	762.52	19.61	1.52
18	B	850	WVN	C37-C34	740.35	18.47	1.35
18	A	850	WVN	C10-C12	705.12	18.25	1.52
18	L	201	WVN	C37-C34	700.86	17.56	1.35
18	F	205	WVN	C10-C12	685.27	17.78	1.52
18	B	851	WVN	C37-C34	676.54	17.00	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	M	101	WVN	C37-C34	674.38	16.95	1.35
18	A	853	WVN	C37-C34	671.89	16.89	1.35
18	F	205	WVN	C36-C32	669.04	16.82	1.35
18	A	852	WVN	C37-C34	659.70	16.61	1.35
18	L	202	WVN	C37-C34	658.90	16.59	1.35
18	B	848	WVN	C37-C34	657.47	16.56	1.35
18	A	851	WVN	C37-C34	656.98	16.55	1.35
18	K	103	WVN	C37-C34	652.47	16.44	1.35
18	A	849	WVN	C37-C34	652.02	16.43	1.35
18	A	851	WVN	C36-C32	647.93	16.34	1.35
18	L	209	WVN	C37-C34	647.25	16.32	1.35
18	K	103	WVN	C36-C32	643.01	16.22	1.35
18	F	204	WVN	C37-C34	640.20	16.16	1.35
18	M	101	WVN	C36-C32	638.74	16.12	1.35
18	A	850	WVN	C37-C34	637.54	16.10	1.35
18	I	102	WVN	C37-C34	633.94	16.01	1.35
18	A	850	WVN	C36-C32	631.19	15.95	1.35
18	A	853	WVN	C36-C32	631.05	15.95	1.35
18	F	205	WVN	C37-C34	620.98	15.71	1.35
18	A	852	WVN	C36-C32	619.99	15.69	1.35
18	I	102	WVN	C36-C32	610.69	15.48	1.35
18	F	204	WVN	C36-C32	608.26	15.42	1.35
18	B	851	WVN	C36-C32	601.31	15.26	1.35
18	A	849	WVN	C36-C32	598.29	15.19	1.35
18	B	850	WVN	C36-C32	554.67	14.18	1.35
18	L	201	WVN	C36-C32	552.46	14.13	1.35
18	A	851	WVN	C18-C06	537.56	11.70	1.53
18	I	102	WVN	C18-C06	537.06	11.69	1.53
18	K	103	WVN	C18-C06	534.79	11.65	1.53
18	M	101	WVN	C18-C06	530.11	11.56	1.53
18	L	202	WVN	C36-C32	528.85	13.58	1.35
18	B	851	WVN	C18-C06	528.85	11.53	1.53
18	A	849	WVN	C18-C06	528.22	11.52	1.53
18	L	209	WVN	C18-C06	527.85	11.51	1.53
18	L	209	WVN	C36-C32	526.45	13.53	1.35
18	F	205	WVN	C18-C06	523.89	11.44	1.53
18	F	204	WVN	C18-C06	521.95	11.40	1.53
18	L	202	WVN	C18-C06	521.72	11.40	1.53
18	B	848	WVN	C36-C32	518.63	13.35	1.35
18	A	852	WVN	C18-C06	513.43	11.24	1.53
18	B	848	WVN	C18-C06	502.50	11.03	1.53
18	B	851	WVN	C35-C32	499.87	11.62	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	A	850	WVN	C35-C32	492.32	11.46	1.50
18	K	103	WVN	C17-C06	489.92	10.80	1.53
18	I	102	WVN	C17-C06	488.72	10.77	1.53
18	B	850	WVN	C18-C06	487.42	10.75	1.53
18	L	209	WVN	C17-C06	485.05	10.70	1.53
18	B	851	WVN	C17-C06	482.01	10.65	1.53
18	A	851	WVN	C17-C06	480.89	10.63	1.53
18	F	204	WVN	C17-C06	479.13	10.59	1.53
18	A	853	WVN	C18-C06	478.91	10.59	1.53
18	M	101	WVN	C17-C06	478.35	10.58	1.53
18	L	202	WVN	C17-C06	477.66	10.56	1.53
18	A	849	WVN	C17-C06	474.31	10.50	1.53
18	B	848	WVN	C17-C06	462.37	10.28	1.53
18	F	205	WVN	C17-C06	460.37	10.24	1.53
18	A	852	WVN	C17-C06	458.67	10.21	1.53
18	F	205	WVN	C35-C32	449.04	10.59	1.50
18	L	201	WVN	C18-C06	440.08	9.85	1.53
18	A	853	WVN	C35-C32	438.42	10.37	1.50
18	I	102	WVN	C35-C32	434.54	10.29	1.50
18	K	103	WVN	C35-C32	432.66	10.26	1.50
18	A	853	WVN	C17-C06	432.03	9.70	1.53
18	A	850	WVN	C18-C06	431.71	9.70	1.53
18	A	851	WVN	C35-C32	431.59	10.23	1.50
18	A	852	WVN	C35-C32	428.21	10.17	1.50
18	A	849	WVN	C35-C32	426.82	10.14	1.50
18	M	101	WVN	C35-C32	424.37	10.09	1.50
18	B	850	WVN	C17-C06	415.27	9.39	1.53
18	F	204	WVN	C35-C32	400.75	9.61	1.50
18	L	201	WVN	C35-C32	399.80	9.59	1.50
18	B	848	WVN	C35-C32	393.96	9.47	1.50
18	K	103	WVN	C19-C11	391.89	10.05	1.32
18	A	853	WVN	C19-C11	391.57	10.04	1.32
18	B	851	WVN	C19-C11	390.81	10.03	1.32
18	L	202	WVN	C19-C11	390.32	10.01	1.32
18	L	202	WVN	C35-C32	386.28	9.32	1.50
18	F	204	WVN	C19-C11	385.43	9.91	1.32
18	L	209	WVN	C19-C11	382.72	9.85	1.32
18	A	852	WVN	C19-C11	381.45	9.82	1.32
18	A	850	WVN	C21-C15	380.35	7.56	1.50
18	A	853	WVN	C21-C15	379.94	7.55	1.50
18	B	848	WVN	C19-C11	379.55	9.77	1.32
18	M	101	WVN	C19-C11	378.62	9.75	1.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	M	101	WVN	C21-C15	377.65	7.52	1.50
18	B	851	WVN	C21-C15	377.56	7.51	1.50
18	L	209	WVN	C35-C32	376.76	9.13	1.50
18	A	851	WVN	C21-C15	376.72	7.50	1.50
18	A	851	WVN	C19-C11	376.62	9.71	1.32
18	A	852	WVN	C21-C15	375.19	7.48	1.50
18	B	848	WVN	C21-C15	375.00	7.47	1.50
18	L	201	WVN	C17-C06	374.51	8.61	1.53
18	K	103	WVN	C21-C15	374.32	7.46	1.50
18	B	850	WVN	C21-C15	373.57	7.45	1.50
18	A	849	WVN	C21-C15	372.94	7.44	1.50
18	L	202	WVN	C21-C15	371.84	7.42	1.50
18	L	201	WVN	C21-C15	370.89	7.41	1.50
18	L	209	WVN	C21-C15	368.58	7.37	1.50
18	F	204	WVN	C21-C15	368.32	7.37	1.50
18	A	849	WVN	C19-C11	364.99	9.45	1.32
18	I	102	WVN	C19-C11	364.12	9.43	1.32
18	I	102	WVN	C21-C15	361.75	7.26	1.50
18	A	850	WVN	C17-C06	360.06	8.34	1.53
18	B	850	WVN	C06-C13	359.87	6.14	1.53
18	B	851	WVN	C06-C13	358.98	6.13	1.53
18	K	103	WVN	C16-C05	358.67	8.08	1.50
18	I	102	WVN	C16-C05	353.67	7.99	1.50
18	A	851	WVN	C16-C05	353.52	7.99	1.50
18	K	103	WVN	C06-C13	353.30	6.06	1.53
18	I	102	WVN	C06-C13	353.28	6.06	1.53
18	L	209	WVN	C06-C13	352.79	6.05	1.53
18	L	209	WVN	C16-C05	351.93	7.96	1.50
18	A	849	WVN	C16-C05	350.64	7.94	1.50
18	B	851	WVN	C16-C05	350.62	7.94	1.50
18	L	202	WVN	C06-C13	345.20	5.95	1.53
18	F	205	WVN	C16-C05	345.16	7.84	1.50
18	L	202	WVN	C16-C05	345.13	7.83	1.50
18	B	850	WVN	C19-C11	344.47	8.99	1.32
18	F	204	WVN	C16-C05	344.15	7.82	1.50
18	L	201	WVN	C19-C11	342.66	8.95	1.32
18	M	101	WVN	C16-C05	341.70	7.77	1.50
18	A	850	WVN	C19-C11	338.30	8.86	1.32
18	L	201	WVN	C06-C13	338.03	5.86	1.53
18	F	204	WVN	C06-C13	336.88	5.85	1.53
18	F	205	WVN	C19-C11	334.90	8.78	1.32
18	B	848	WVN	C16-C05	334.08	7.63	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	A	852	WVN	C16-C05	334.02	7.63	1.50
18	B	850	WVN	C16-C05	332.50	7.60	1.50
18	B	848	WVN	C06-C13	329.11	5.75	1.53
18	A	850	WVN	C06-C13	327.33	5.72	1.53
18	A	849	WVN	C06-C13	318.68	5.61	1.53
18	M	101	WVN	C06-C13	317.45	5.60	1.53
18	A	851	WVN	C06-C13	317.41	5.60	1.53
18	B	850	WVN	C35-C32	316.70	7.91	1.50
18	F	205	WVN	C21-C15	312.13	6.47	1.50
18	M	101	WVN	C39-C36	309.34	11.02	1.43
18	A	853	WVN	C16-C05	303.97	7.08	1.50
18	F	205	WVN	C06-C13	299.75	5.37	1.53
18	L	201	WVN	C16-C05	298.32	6.98	1.50
18	A	853	WVN	C39-C36	293.13	10.52	1.43
18	F	205	WVN	C39-C36	292.62	10.50	1.43
18	A	852	WVN	C06-C13	291.75	5.27	1.53
18	L	202	WVN	C39-C36	289.06	10.39	1.43
18	A	850	WVN	C16-C05	288.96	6.80	1.50
18	A	851	WVN	C39-C36	287.89	10.36	1.43
18	F	204	WVN	C39-C36	284.83	10.26	1.43
18	B	851	WVN	C39-C36	284.68	10.26	1.43
18	A	852	WVN	C39-C36	284.34	10.24	1.43
18	A	853	WVN	C06-C13	283.67	5.16	1.53
18	L	209	WVN	C39-C36	282.01	10.17	1.43
18	B	848	WVN	C39-C36	274.94	9.95	1.43
18	K	103	WVN	C39-C36	273.66	9.91	1.43
18	A	850	WVN	C39-C36	255.35	9.35	1.43
18	A	849	WVN	C39-C36	249.93	9.18	1.43
18	I	102	WVN	C39-C36	245.77	9.05	1.43
18	L	201	WVN	C39-C36	214.04	8.06	1.43
18	B	851	WVN	C20-C13	211.81	8.69	1.45
18	A	852	WVN	C20-C13	211.21	8.67	1.45
18	A	850	WVN	C20-C13	210.49	8.64	1.45
18	K	103	WVN	C20-C13	210.06	8.63	1.45
18	A	853	WVN	C20-C13	209.60	8.61	1.45
18	A	851	WVN	C20-C13	209.34	8.60	1.45
18	K	103	WVN	C33-C34	209.14	5.93	1.46
18	A	849	WVN	C20-C13	208.85	8.59	1.45
18	F	204	WVN	C20-C13	208.52	8.57	1.45
18	M	101	WVN	C20-C13	208.40	8.57	1.45
18	B	850	WVN	C20-C13	208.24	8.57	1.45
18	L	202	WVN	C20-C13	207.80	8.55	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	B	848	WVN	C20-C13	207.15	8.53	1.45
18	L	201	WVN	C20-C13	205.53	8.47	1.45
18	I	102	WVN	C20-C13	205.36	8.47	1.45
18	A	850	WVN	C33-C34	203.25	5.81	1.46
18	L	209	WVN	C20-C13	201.29	8.33	1.45
18	F	204	WVN	C33-C34	199.30	5.72	1.46
18	A	851	WVN	C33-C34	196.68	5.66	1.46
18	F	205	WVN	C33-C34	196.44	5.66	1.46
18	B	850	WVN	C39-C36	193.36	7.42	1.43
18	F	205	WVN	C20-C13	186.96	7.84	1.45
18	B	850	WVN	C33-C34	185.71	5.43	1.46
18	B	851	WVN	C33-C34	184.91	5.41	1.46
18	L	202	WVN	C33-C34	183.53	5.38	1.46
18	A	852	WVN	C33-C34	182.30	5.36	1.46
18	M	101	WVN	C33-C34	180.79	5.32	1.46
18	I	102	WVN	C33-C34	180.45	5.32	1.46
18	L	201	WVN	C33-C34	178.90	5.28	1.46
18	A	849	WVN	C33-C34	176.88	5.24	1.46
18	A	853	WVN	C33-C34	175.67	5.22	1.46
18	B	848	WVN	C33-C34	175.06	5.20	1.46
18	L	209	WVN	C33-C34	170.51	5.10	1.46
18	A	849	WVN	C40-C37	163.67	6.50	1.43
18	F	205	WVN	C26-C22	159.74	5.05	1.35
18	B	851	WVN	C26-C22	159.40	5.04	1.35
18	A	853	WVN	C26-C22	158.35	5.02	1.35
18	A	850	WVN	C26-C22	158.02	5.01	1.35
18	A	852	WVN	C26-C22	157.96	5.01	1.35
18	F	204	WVN	C26-C22	157.68	5.00	1.35
18	L	201	WVN	C26-C22	156.86	4.98	1.35
18	A	851	WVN	C26-C22	156.72	4.98	1.35
18	B	850	WVN	C26-C22	156.44	4.97	1.35
18	B	848	WVN	C26-C22	155.74	4.96	1.35
18	A	849	WVN	C26-C22	154.98	4.94	1.35
18	M	101	WVN	C26-C22	153.09	4.89	1.35
18	I	102	WVN	C26-C22	152.49	4.88	1.35
18	L	202	WVN	C26-C22	152.38	4.88	1.35
18	L	209	WVN	C26-C22	152.11	4.87	1.35
18	K	103	WVN	C26-C22	151.22	4.85	1.35
18	B	850	WVN	C40-C37	148.18	6.02	1.43
18	B	849	WVN	C35-C32	144.55	10.76	1.49
18	A	852	WVN	C40-C37	141.26	5.81	1.43
18	B	849	WVN	C26-C22	132.57	5.05	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	K	103	WVN	C40-C37	132.57	5.54	1.43
18	A	850	WVN	C40-C37	131.18	5.50	1.43
18	L	201	WVN	C40-C37	130.71	5.48	1.43
18	M	101	WVN	C40-C37	129.38	5.44	1.43
18	I	102	WVN	C40-C37	125.94	5.33	1.43
18	A	853	WVN	C40-C37	125.26	5.31	1.43
18	L	202	WVN	C40-C37	119.88	5.14	1.43
18	B	848	WVN	C40-C37	114.86	4.99	1.43
18	B	851	WVN	C40-C37	111.97	4.90	1.43
18	F	205	WVN	C40-C37	108.28	4.79	1.43
18	K	103	WVN	C19-C22	104.95	3.70	1.46
18	B	851	WVN	C19-C22	104.86	3.70	1.46
18	F	205	WVN	C19-C22	104.75	3.70	1.46
18	F	204	WVN	C19-C22	104.60	3.69	1.46
18	F	204	WVN	C28-C25	104.48	3.77	1.35
18	A	852	WVN	C19-C22	104.37	3.69	1.46
18	A	850	WVN	C19-C22	104.29	3.69	1.46
18	B	850	WVN	C28-C25	104.22	3.76	1.35
18	A	853	WVN	C19-C22	104.05	3.68	1.46
18	A	852	WVN	C28-C25	104.05	3.76	1.35
18	A	851	WVN	C19-C22	103.76	3.68	1.46
18	A	850	WVN	C28-C25	103.66	3.75	1.35
18	B	848	WVN	C19-C22	103.62	3.67	1.46
18	A	849	WVN	C19-C22	103.32	3.67	1.46
18	M	101	WVN	C19-C22	103.30	3.67	1.46
18	L	201	WVN	C19-C22	103.23	3.66	1.46
18	B	850	WVN	C19-C22	102.05	3.64	1.46
18	A	849	WVN	C28-C25	101.18	3.69	1.35
18	A	853	WVN	C28-C25	101.17	3.69	1.35
18	L	202	WVN	C28-C25	101.05	3.69	1.35
18	A	851	WVN	C28-C25	100.69	3.68	1.35
18	B	851	WVN	C28-C25	100.65	3.68	1.35
18	F	204	WVN	C40-C37	100.45	4.54	1.43
18	L	202	WVN	C19-C22	100.27	3.60	1.46
18	K	103	WVN	C28-C25	99.65	3.66	1.35
18	L	209	WVN	C19-C22	99.61	3.59	1.46
18	A	851	WVN	C40-C37	99.50	4.51	1.43
18	B	849	WVN	C28-C25	99.20	3.65	1.35
18	B	849	WVN	C34-C33	99.09	5.71	1.49
18	B	848	WVN	C28-C25	98.94	3.64	1.35
18	I	102	WVN	C19-C22	97.67	3.55	1.46
18	L	201	WVN	C28-C25	96.96	3.60	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	I	102	WVN	C28-C25	96.87	3.59	1.35
18	M	101	WVN	C28-C25	96.10	3.58	1.35
18	L	209	WVN	C40-C37	95.58	4.39	1.43
18	L	209	WVN	C28-C25	95.29	3.56	1.35
18	F	205	WVN	C23-C20	87.07	3.92	1.33
18	F	204	WVN	C23-C20	86.47	3.90	1.33
18	A	852	WVN	C23-C20	86.18	3.89	1.33
18	K	103	WVN	C23-C20	86.03	3.89	1.33
18	B	848	WVN	C23-C20	85.81	3.88	1.33
18	A	851	WVN	C23-C20	85.69	3.88	1.33
18	B	851	WVN	C23-C20	85.22	3.86	1.33
18	A	853	WVN	C23-C20	85.03	3.86	1.33
18	A	849	WVN	C23-C20	84.88	3.85	1.33
18	L	201	WVN	C23-C20	84.74	3.85	1.33
18	B	850	WVN	C23-C20	84.42	3.84	1.33
18	M	101	WVN	C23-C20	83.91	3.82	1.33
18	F	205	WVN	C29-C26	83.08	4.00	1.43
18	L	202	WVN	C23-C20	82.89	3.79	1.33
18	K	103	WVN	C29-C26	82.83	4.00	1.43
18	L	209	WVN	C23-C20	82.67	3.79	1.33
18	B	850	WVN	C29-C26	82.66	3.99	1.43
18	F	204	WVN	C29-C26	82.65	3.99	1.43
18	B	849	WVN	C19-C22	82.50	3.70	1.50
18	A	850	WVN	C29-C26	82.34	3.98	1.43
18	A	852	WVN	C29-C26	82.15	3.97	1.43
18	L	202	WVN	C29-C26	82.10	3.97	1.43
18	A	851	WVN	C29-C26	82.04	3.97	1.43
18	B	849	WVN	C29-C26	81.87	3.97	1.43
18	B	851	WVN	C29-C26	81.71	3.96	1.43
18	I	102	WVN	C23-C20	81.69	3.76	1.33
18	A	853	WVN	C29-C26	81.00	3.94	1.43
18	A	849	WVN	C29-C26	80.30	3.92	1.43
18	I	102	WVN	C29-C26	78.73	3.87	1.43
18	L	201	WVN	C29-C26	78.27	3.85	1.43
18	B	848	WVN	C29-C26	78.24	3.85	1.43
18	M	101	WVN	C29-C26	77.42	3.83	1.43
18	F	205	WVN	C28-C25	76.98	3.13	1.35
18	L	209	WVN	C29-C26	76.64	3.80	1.43
18	K	103	WVN	C15-C13	73.06	2.57	1.34
18	M	101	WVN	C15-C13	72.32	2.55	1.34
18	B	851	WVN	C15-C13	71.61	2.54	1.34
18	F	204	WVN	C15-C13	71.48	2.54	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	A	851	WVN	C15-C13	71.31	2.54	1.34
18	A	850	WVN	C15-C13	71.24	2.53	1.34
18	F	205	WVN	C15-C13	70.50	2.52	1.34
18	A	852	WVN	C15-C13	70.28	2.52	1.34
18	A	853	WVN	C15-C13	70.06	2.51	1.34
18	L	202	WVN	C15-C13	69.75	2.51	1.34
18	B	850	WVN	C15-C13	69.03	2.50	1.34
18	I	102	WVN	C15-C13	68.99	2.50	1.34
18	A	849	WVN	C15-C13	68.93	2.50	1.34
18	L	209	WVN	C15-C13	68.64	2.49	1.34
18	L	201	WVN	C15-C13	68.06	2.48	1.34
18	B	848	WVN	C15-C13	67.26	2.47	1.34
18	B	849	WVN	C20-C23	54.18	3.90	1.30
18	B	850	WVN	C27-C25	52.19	2.56	1.50
18	L	201	WVN	C31-C32	52.17	2.57	1.46
18	A	850	WVN	C23-C20	51.81	2.87	1.33
18	K	103	WVN	C24-C22	51.52	2.55	1.50
18	F	205	WVN	C27-C25	51.03	2.54	1.50
18	A	851	WVN	C27-C25	50.92	2.53	1.50
18	K	103	WVN	C27-C25	50.84	2.53	1.50
18	F	204	WVN	C27-C25	50.68	2.53	1.50
18	A	852	WVN	C27-C25	50.19	2.52	1.50
18	B	851	WVN	C24-C22	49.84	2.51	1.50
18	A	850	WVN	C27-C25	49.76	2.51	1.50
18	A	852	WVN	C24-C22	49.49	2.51	1.50
18	A	853	WVN	C31-C32	49.36	2.51	1.46
18	F	205	WVN	C24-C22	49.36	2.50	1.50
18	A	853	WVN	C24-C22	49.23	2.50	1.50
18	B	849	WVN	C27-C25	49.19	2.50	1.50
18	M	101	WVN	C31-C32	48.71	2.50	1.46
18	F	204	WVN	C31-C32	48.70	2.50	1.46
18	A	849	WVN	C31-C32	48.69	2.50	1.46
18	A	851	WVN	C24-C22	48.56	2.49	1.50
18	A	850	WVN	C31-C32	48.52	2.49	1.46
18	F	205	WVN	C23-C25	48.51	2.49	1.46
18	F	204	WVN	C23-C25	48.47	2.49	1.46
18	A	852	WVN	C31-C32	48.47	2.49	1.46
18	L	202	WVN	C31-C32	48.32	2.49	1.46
18	A	853	WVN	C27-C25	48.24	2.48	1.50
18	L	202	WVN	C27-C25	48.22	2.48	1.50
18	F	205	WVN	C31-C32	48.07	2.48	1.46
18	B	851	WVN	C31-C32	48.00	2.48	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	A	849	WVN	C24-C22	47.88	2.47	1.50
18	K	103	WVN	C31-C32	47.79	2.48	1.46
18	A	851	WVN	C31-C32	47.67	2.48	1.46
18	F	204	WVN	C24-C22	47.66	2.47	1.50
18	L	201	WVN	C24-C22	47.44	2.46	1.50
18	B	848	WVN	C31-C32	47.33	2.47	1.46
18	B	851	WVN	C27-C25	47.30	2.46	1.50
18	B	850	WVN	C24-C22	47.27	2.46	1.50
18	L	202	WVN	C24-C22	47.27	2.46	1.50
18	A	850	WVN	C23-C25	47.25	2.47	1.46
18	A	850	WVN	C24-C22	46.97	2.45	1.50
18	A	849	WVN	C27-C25	46.92	2.45	1.50
18	A	851	WVN	C23-C25	46.88	2.46	1.46
18	B	850	WVN	C31-C32	46.70	2.45	1.46
18	A	852	WVN	C23-C25	46.42	2.45	1.46
18	L	209	WVN	C31-C32	46.41	2.45	1.46
18	B	848	WVN	C24-C22	46.40	2.44	1.50
18	B	848	WVN	C27-C25	45.85	2.43	1.50
18	B	848	WVN	C23-C25	45.23	2.42	1.46
18	I	102	WVN	C27-C25	45.21	2.42	1.50
18	I	102	WVN	C31-C32	44.88	2.42	1.46
18	L	201	WVN	C27-C25	44.77	2.41	1.50
18	M	101	WVN	C27-C25	44.74	2.41	1.50
18	A	853	WVN	C23-C25	44.34	2.40	1.46
18	K	103	WVN	C23-C25	44.25	2.40	1.46
18	M	101	WVN	C24-C22	44.15	2.40	1.50
18	L	209	WVN	C27-C25	44.00	2.39	1.50
18	L	209	WVN	C24-C22	44.00	2.39	1.50
18	L	201	WVN	C23-C25	43.84	2.39	1.46
18	L	202	WVN	C29-C31	43.83	2.49	1.34
18	I	102	WVN	C24-C22	43.76	2.39	1.50
18	B	850	WVN	C23-C25	43.53	2.39	1.46
18	A	849	WVN	C23-C25	43.36	2.38	1.46
18	B	850	WVN	C29-C31	42.64	2.46	1.34
18	A	849	WVN	C29-C31	42.26	2.45	1.34
18	F	204	WVN	C30-C28	42.15	2.73	1.43
18	A	850	WVN	C29-C31	42.04	2.44	1.34
18	A	851	WVN	C29-C31	42.00	2.44	1.34
18	F	205	WVN	C29-C31	41.91	2.44	1.34
18	A	852	WVN	C29-C31	41.89	2.44	1.34
18	M	101	WVN	C29-C31	41.87	2.44	1.34
18	L	209	WVN	C29-C31	41.86	2.43	1.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	M	101	WVN	C40-C39	41.73	2.50	1.36
18	A	851	WVN	C30-C28	41.72	2.72	1.43
18	M	101	WVN	C23-C25	41.69	2.35	1.46
18	M	101	WVN	C30-C28	41.65	2.72	1.43
18	K	103	WVN	C30-C28	41.60	2.72	1.43
18	F	205	WVN	C30-C28	41.53	2.72	1.43
18	K	103	WVN	C29-C31	41.52	2.43	1.34
18	A	852	WVN	C40-C39	41.45	2.49	1.36
18	B	851	WVN	C29-C31	41.44	2.42	1.34
18	A	851	WVN	C40-C39	41.43	2.49	1.36
18	A	853	WVN	C29-C31	41.38	2.42	1.34
18	F	205	WVN	C40-C39	41.38	2.49	1.36
18	A	853	WVN	C40-C39	41.36	2.49	1.36
18	L	202	WVN	C23-C25	41.34	2.34	1.46
18	F	204	WVN	C29-C31	41.33	2.42	1.34
18	B	851	WVN	C40-C39	41.28	2.49	1.36
18	B	851	WVN	C23-C25	41.26	2.34	1.46
18	K	103	WVN	C40-C39	41.26	2.49	1.36
18	A	852	WVN	C30-C28	41.22	2.71	1.43
18	A	853	WVN	C30-C28	41.14	2.70	1.43
18	B	848	WVN	C29-C31	41.10	2.42	1.34
18	A	849	WVN	C40-C39	41.08	2.48	1.36
18	L	209	WVN	C23-C25	41.03	2.33	1.46
18	F	204	WVN	C40-C39	41.03	2.48	1.36
18	L	209	WVN	C40-C39	41.01	2.48	1.36
18	B	848	WVN	C40-C39	40.99	2.48	1.36
18	L	201	WVN	C40-C39	40.94	2.48	1.36
18	A	850	WVN	C40-C39	40.67	2.47	1.36
18	B	850	WVN	C40-C39	40.61	2.47	1.36
18	A	849	WVN	C30-C28	40.60	2.69	1.43
18	B	849	WVN	C30-C28	40.60	2.69	1.43
18	I	102	WVN	C29-C31	40.53	2.40	1.34
18	I	102	WVN	C40-C39	40.48	2.46	1.36
18	I	102	WVN	C30-C28	40.45	2.68	1.43
18	L	209	WVN	C30-C28	40.43	2.68	1.43
18	B	850	WVN	C30-C28	40.33	2.68	1.43
18	B	851	WVN	C30-C28	40.20	2.67	1.43
18	I	102	WVN	C23-C25	40.10	2.31	1.46
18	B	848	WVN	C30-C28	40.07	2.67	1.43
18	A	850	WVN	C30-C28	39.39	2.65	1.43
18	L	202	WVN	C40-C39	39.30	2.43	1.36
18	L	202	WVN	C30-C28	39.03	2.64	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	L	201	WVN	C30-C28	38.23	2.61	1.43
18	B	849	WVN	C24-C22	37.57	2.50	1.50
18	L	201	WVN	C29-C31	37.45	2.32	1.34
18	B	849	WVN	C29-C31	32.64	2.44	1.33
18	L	201	WVN	C12-C14	30.62	2.50	1.52
18	A	849	WVN	C12-C14	30.59	2.50	1.52
18	A	850	WVN	C12-C14	30.52	2.50	1.52
18	F	205	WVN	C12-C14	30.28	2.49	1.52
18	B	850	WVN	C12-C14	30.27	2.49	1.52
18	A	852	WVN	C12-C14	30.10	2.49	1.52
18	F	204	WVN	C12-C14	29.83	2.48	1.52
18	A	853	WVN	C12-C14	29.77	2.48	1.52
18	B	851	WVN	C12-C14	29.75	2.48	1.52
18	K	103	WVN	C12-C14	29.61	2.47	1.52
18	A	851	WVN	C12-C14	29.30	2.46	1.52
18	I	102	WVN	C12-C14	29.29	2.46	1.52
18	M	101	WVN	C12-C14	29.18	2.46	1.52
18	L	209	WVN	C12-C14	28.78	2.44	1.52
18	L	202	WVN	C12-C14	28.47	2.43	1.52
18	B	848	WVN	C12-C14	28.17	2.42	1.52
18	B	849	WVN	C32-C31	20.99	2.50	1.50
14	A	842	CL7	MG-NA	9.67	2.25	2.05
14	B	840	CL7	MG-NA	9.63	2.24	2.05
14	A	841	CL7	MG-NA	9.56	2.24	2.05
14	B	827	CL7	MG-NA	9.47	2.24	2.05
14	B	802	CL7	MG-NA	9.42	2.24	2.05
14	A	832	CL7	MG-NA	9.42	2.24	2.05
14	F	203	CL7	MG-NA	9.42	2.24	2.05
14	A	835	CL7	MG-NA	9.38	2.24	2.05
14	A	831	CL7	MG-NA	9.37	2.24	2.05
14	B	835	CL7	MG-NA	9.36	2.24	2.05
14	A	848	CL7	MG-NA	9.36	2.24	2.05
14	A	811	CL7	MG-NA	9.35	2.24	2.05
14	B	819	CL7	MG-NA	9.34	2.24	2.05
14	A	805	CL7	MG-NA	9.33	2.24	2.05
14	B	833	CL7	MG-NA	9.33	2.24	2.05
14	B	812	CL7	MG-NA	9.32	2.24	2.05
14	K	101	CL7	MG-NA	9.32	2.24	2.05
14	A	809	CL7	MG-NA	9.32	2.24	2.05
14	F	202	CL7	MG-NA	9.31	2.24	2.05
14	A	844	CL7	MG-NA	9.29	2.24	2.05
14	B	815	CL7	MG-NA	9.28	2.24	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	824	CL7	MG-NA	9.28	2.24	2.05
14	A	827	CL7	MG-NA	9.27	2.24	2.05
14	A	836	CL7	MG-NA	9.27	2.24	2.05
14	B	823	CL7	MG-NA	9.27	2.24	2.05
14	A	855	CL7	MG-NA	9.26	2.24	2.05
14	B	838	CL7	MG-NA	9.26	2.24	2.05
14	K	102	CL7	MG-NA	9.26	2.24	2.05
14	A	820	CL7	MG-NA	9.26	2.24	2.05
14	A	833	CL7	MG-NA	9.26	2.24	2.05
14	A	804	CL7	MG-NA	9.25	2.24	2.05
14	L	204	CL7	MG-NA	9.24	2.24	2.05
14	A	829	CL7	MG-NA	9.24	2.24	2.05
14	A	839	CL7	MG-NA	9.24	2.24	2.05
14	B	839	CL7	MG-NA	9.24	2.24	2.05
14	A	838	CL7	MG-NA	9.24	2.24	2.05
14	B	816	CL7	MG-NA	9.23	2.24	2.05
14	B	845	CL7	MG-NA	9.21	2.24	2.05
14	B	842	CL7	MG-NA	9.21	2.24	2.05
14	F	201	CL7	MG-NA	9.21	2.24	2.05
14	B	814	CL7	MG-NA	9.20	2.24	2.05
14	A	808	CL7	MG-NA	9.20	2.24	2.05
14	A	814	CL7	MG-NA	9.20	2.24	2.05
14	A	843	CL7	MG-NA	9.19	2.24	2.05
14	A	810	CL7	MG-NA	9.19	2.24	2.05
14	B	837	CL7	MG-NA	9.17	2.24	2.05
14	I	101	CL7	MG-NA	9.17	2.24	2.05
14	B	836	CL7	MG-NA	9.16	2.23	2.05
14	B	810	CL7	MG-NA	9.15	2.23	2.05
14	B	834	CL7	MG-NA	9.14	2.23	2.05
14	B	817	CL7	MG-NA	9.12	2.23	2.05
14	B	807	CL7	MG-NA	9.11	2.23	2.05
14	B	809	CL7	MG-NA	9.08	2.23	2.05
14	A	806	CL7	MG-NA	9.08	2.23	2.05
14	A	822	CL7	MG-NA	9.08	2.23	2.05
14	A	815	CL7	MG-NA	9.08	2.23	2.05
14	B	821	CL7	MG-NA	9.07	2.23	2.05
14	A	819	CL7	MG-NA	9.06	2.23	2.05
14	A	812	CL7	MG-NA	9.05	2.23	2.05
14	B	813	CL7	MG-NA	9.04	2.23	2.05
14	B	828	CL7	MG-NA	9.02	2.23	2.05
14	B	844	CL7	MG-NA	9.02	2.23	2.05
14	B	808	CL7	MG-NA	9.01	2.23	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	845	CL7	MG-NA	9.00	2.23	2.05
14	B	829	CL7	MG-NA	9.00	2.23	2.05
14	A	821	CL7	MG-NA	9.00	2.23	2.05
14	A	803	CL7	MG-NA	8.98	2.23	2.05
14	A	818	CL7	MG-NA	8.95	2.23	2.05
14	A	828	CL7	MG-NA	8.95	2.23	2.05
14	B	804	CL7	MG-NA	8.95	2.23	2.05
14	B	831	CL7	MG-NA	8.94	2.23	2.05
14	A	816	CL7	MG-NA	8.92	2.23	2.05
14	A	840	CL7	MG-NA	8.91	2.23	2.05
14	A	834	CL7	MG-NA	8.88	2.23	2.05
14	A	826	CL7	MG-NA	8.88	2.23	2.05
14	B	818	CL7	MG-NA	8.88	2.23	2.05
14	B	811	CL7	MG-NA	8.87	2.23	2.05
14	A	807	CL7	MG-NA	8.84	2.23	2.05
14	B	805	CL7	MG-NA	8.83	2.23	2.05
14	A	813	CL7	MG-NA	8.81	2.23	2.05
14	B	826	CL7	MG-NA	8.75	2.23	2.05
14	B	830	CL7	MG-NA	8.74	2.23	2.05
14	A	846	CL7	MG-NA	8.72	2.23	2.05
14	L	207	CL7	MG-NA	8.71	2.23	2.05
14	B	843	CL7	MG-NA	8.70	2.23	2.05
14	B	822	CL7	MG-NA	8.70	2.23	2.05
14	A	817	CL7	MG-NA	8.66	2.22	2.05
14	B	806	CL7	MG-NA	8.65	2.22	2.05
14	L	205	CL7	MG-NA	8.62	2.22	2.05
14	A	823	CL7	MG-NA	8.60	2.22	2.05
14	B	803	CL7	MG-NA	8.41	2.22	2.05
18	L	202	WVN	C03-C04	-8.08	1.34	1.52
18	A	853	WVN	C30-C33	7.97	1.55	1.34
18	I	102	WVN	C30-C33	7.94	1.55	1.34
18	F	204	WVN	C30-C33	7.89	1.55	1.34
18	A	850	WVN	C30-C33	7.87	1.55	1.34
18	B	848	WVN	C03-C04	-7.84	1.35	1.52
18	K	103	WVN	C30-C33	7.82	1.55	1.34
18	F	205	WVN	C30-C33	7.80	1.55	1.34
18	B	848	WVN	C30-C33	7.79	1.55	1.34
18	A	850	WVN	C03-C04	-7.78	1.35	1.52
18	A	852	WVN	C30-C33	7.72	1.54	1.34
18	B	851	WVN	C30-C33	7.69	1.54	1.34
18	L	209	WVN	C30-C33	7.65	1.54	1.34
16	B	820	PQN	C3-C2	7.59	1.48	1.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	A	851	WVN	C30-C33	7.56	1.54	1.34
18	A	849	WVN	C30-C33	7.56	1.54	1.34
18	M	101	WVN	C30-C33	7.54	1.54	1.34
16	A	830	PQN	C3-C2	7.52	1.48	1.35
18	L	202	WVN	C30-C33	7.48	1.54	1.34
18	B	849	WVN	C30-C33	7.45	1.55	1.33
18	M	101	WVN	C03-C04	-7.44	1.36	1.52
12	A	801	G9R	MG-NA	7.38	2.23	2.06
18	L	209	WVN	C03-C04	-7.34	1.36	1.52
18	B	850	WVN	C03-C04	-7.34	1.36	1.52
18	L	201	WVN	C30-C33	7.33	1.53	1.34
18	B	850	WVN	C30-C33	7.31	1.53	1.34
18	K	103	WVN	C03-C04	-7.29	1.36	1.52
18	I	102	WVN	C03-C04	-7.23	1.36	1.52
18	A	853	WVN	C03-C04	-7.22	1.36	1.52
18	B	851	WVN	C03-C04	-7.19	1.36	1.52
18	F	204	WVN	C03-C04	-7.17	1.36	1.52
18	F	205	WVN	C03-C04	-7.14	1.37	1.52
18	A	852	WVN	C03-C04	-7.12	1.37	1.52
18	A	851	WVN	C03-C04	-7.09	1.37	1.52
18	A	849	WVN	C03-C04	-7.04	1.37	1.52
18	L	201	WVN	C03-C01	7.03	1.67	1.54
18	L	201	WVN	C03-C04	-7.01	1.37	1.52
18	F	204	WVN	C03-C01	6.78	1.66	1.54
18	A	852	WVN	C03-C01	6.77	1.66	1.54
18	A	853	WVN	C03-C01	6.75	1.66	1.54
18	F	205	WVN	C03-C01	6.74	1.66	1.54
18	B	851	WVN	C03-C01	6.74	1.66	1.54
18	I	102	WVN	C03-C01	6.66	1.66	1.54
18	A	851	WVN	C03-C01	6.64	1.66	1.54
18	K	103	WVN	C03-C01	6.64	1.66	1.54
18	L	202	WVN	C03-C01	6.64	1.66	1.54
18	B	850	WVN	C03-C01	6.54	1.66	1.54
18	A	850	WVN	C03-C01	6.49	1.66	1.54
18	L	209	WVN	C03-C01	6.46	1.66	1.54
18	A	849	WVN	C03-C01	6.44	1.66	1.54
18	M	101	WVN	C03-C01	6.38	1.65	1.54
18	B	848	WVN	C03-C01	6.23	1.65	1.54
14	B	813	CL7	O2A-C1	5.66	1.61	1.46
14	A	817	CL7	O2A-C1	5.55	1.61	1.46
14	A	810	CL7	O2A-C1	5.53	1.61	1.46
14	A	822	CL7	O2A-C1	5.48	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	809	CL7	O2A-C1	5.47	1.60	1.46
14	A	833	CL7	O2A-C1	5.47	1.60	1.46
14	A	826	CL7	O2A-C1	5.46	1.60	1.46
14	A	829	CL7	O2A-C1	5.46	1.60	1.46
14	A	806	CL7	O2A-C1	5.45	1.60	1.46
14	B	840	CL7	O2A-C1	5.45	1.60	1.46
14	L	204	CL7	O2A-C1	5.41	1.60	1.46
14	A	834	CL7	O2A-C1	5.40	1.60	1.46
14	L	207	CL7	O2A-C1	5.40	1.60	1.46
14	A	843	CL7	O2A-C1	5.39	1.60	1.46
14	A	845	CL7	O2A-C1	5.39	1.60	1.46
14	B	817	CL7	O2A-C1	5.38	1.60	1.46
14	B	802	CL7	O2A-C1	5.36	1.60	1.46
14	B	833	CL7	O2A-C1	5.35	1.60	1.46
14	B	843	CL7	O2A-C1	5.32	1.60	1.46
14	A	841	CL7	C3C-C2C	5.32	1.48	1.36
14	B	808	CL7	O2A-C1	5.32	1.60	1.46
14	A	815	CL7	O2A-C1	5.31	1.60	1.46
14	B	845	CL7	O2A-C1	5.31	1.60	1.46
14	A	836	CL7	O2A-C1	5.31	1.60	1.46
14	A	813	CL7	CHD-C4C	5.31	1.48	1.38
14	A	832	CL7	O2A-C1	5.30	1.60	1.46
14	B	815	CL7	O2A-C1	5.30	1.60	1.46
14	A	807	CL7	O2A-C1	5.30	1.60	1.46
14	A	813	CL7	O2A-C1	5.29	1.60	1.46
14	B	844	CL7	O2A-C1	5.29	1.60	1.46
14	B	816	CL7	O2D-CGD	5.28	1.46	1.33
14	F	202	CL7	O2A-C1	5.28	1.60	1.46
14	A	828	CL7	O2A-C1	5.27	1.60	1.46
14	B	821	CL7	O2A-C1	5.27	1.60	1.46
14	B	840	CL7	CHC-C1C	5.26	1.48	1.38
14	B	818	CL7	O2A-C1	5.26	1.60	1.46
14	A	808	CL7	CHD-C4C	5.25	1.48	1.38
14	A	838	CL7	O2A-C1	5.24	1.60	1.46
14	B	819	CL7	O2A-C1	5.23	1.60	1.46
14	B	835	CL7	O2A-C1	5.23	1.60	1.46
14	A	816	CL7	O2A-C1	5.23	1.60	1.46
14	A	841	CL7	O2A-C1	5.22	1.60	1.46
14	A	842	CL7	O2A-C1	5.22	1.60	1.46
14	B	826	CL7	O2A-C1	5.21	1.60	1.46
14	A	839	CL7	O2A-C1	5.21	1.60	1.46
14	B	824	CL7	O2A-C1	5.21	1.60	1.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	827	CL7	O2A-C1	5.21	1.60	1.46
14	B	806	CL7	O2A-C1	5.19	1.60	1.46
14	A	840	CL7	O2A-C1	5.19	1.60	1.46
14	B	831	CL7	CHC-C1C	5.19	1.48	1.38
14	B	831	CL7	O2A-C1	5.19	1.60	1.46
14	A	805	CL7	CHD-C4C	5.18	1.48	1.38
14	B	807	CL7	O2A-C1	5.18	1.60	1.46
14	B	839	CL7	O2D-CGD	5.17	1.45	1.33
14	B	835	CL7	CHD-C4C	5.16	1.48	1.38
14	B	816	CL7	CHD-C4C	5.15	1.48	1.38
14	A	844	CL7	O2A-C1	5.15	1.60	1.46
14	A	832	CL7	O2D-CGD	5.14	1.45	1.33
14	B	828	CL7	CHD-C4C	5.14	1.48	1.38
14	F	202	CL7	CHC-C1C	5.14	1.48	1.38
14	B	834	CL7	O2D-CGD	5.14	1.45	1.33
14	K	102	CL7	O2D-CGD	5.14	1.45	1.33
12	A	801	G9R	O2A-C1	5.13	1.59	1.46
14	B	834	CL7	CHD-C4C	5.13	1.48	1.38
14	B	838	CL7	O2D-CGD	5.12	1.45	1.33
14	B	833	CL7	O2D-CGD	5.12	1.45	1.33
14	A	836	CL7	O2D-CGD	5.12	1.45	1.33
14	B	836	CL7	O2D-CGD	5.12	1.45	1.33
14	A	821	CL7	O2A-C1	5.12	1.59	1.46
14	B	837	CL7	O2D-CGD	5.11	1.45	1.33
14	A	829	CL7	O2D-CGD	5.11	1.45	1.33
14	F	203	CL7	O2D-CGD	5.11	1.45	1.33
14	K	101	CL7	CHC-C1C	5.09	1.48	1.38
14	A	835	CL7	O2D-CGD	5.09	1.45	1.33
14	A	810	CL7	O2D-CGD	5.09	1.45	1.33
14	B	804	CL7	O2A-C1	5.08	1.59	1.46
14	B	814	CL7	O2A-C1	5.08	1.59	1.46
14	A	846	CL7	O2A-C1	5.08	1.59	1.46
14	A	826	CL7	O2D-CGD	5.08	1.45	1.33
14	B	835	CL7	O2D-CGD	5.08	1.45	1.33
14	A	833	CL7	O2D-CGD	5.07	1.45	1.33
14	A	835	CL7	CHD-C4C	5.07	1.48	1.38
14	F	202	CL7	CHD-C4C	5.06	1.48	1.38
14	A	808	CL7	O2A-C1	5.06	1.59	1.46
14	A	831	CL7	O2D-CGD	5.05	1.45	1.33
14	A	820	CL7	O2A-C1	5.05	1.59	1.46
14	A	803	CL7	O2A-C1	5.05	1.59	1.46
14	K	101	CL7	CHD-C4C	5.04	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	804	CL7	O2D-CGD	5.04	1.45	1.33
14	F	203	CL7	CHD-C4C	5.04	1.48	1.38
14	A	843	CL7	O2D-CGD	5.04	1.45	1.33
14	B	844	CL7	O2D-CGD	5.03	1.45	1.33
14	B	842	CL7	CHD-C4C	5.03	1.48	1.38
14	B	845	CL7	O2D-CGD	5.03	1.45	1.33
14	A	841	CL7	CHD-C4C	5.03	1.48	1.38
14	A	844	CL7	O2D-CGD	5.03	1.45	1.33
14	A	838	CL7	CHD-C4C	5.02	1.48	1.38
14	A	848	CL7	O2D-CGD	5.02	1.45	1.33
14	K	101	CL7	O2D-CGD	5.02	1.45	1.33
14	B	834	CL7	CHC-C1C	5.02	1.48	1.38
14	B	815	CL7	O2D-CGD	5.02	1.45	1.33
14	K	102	CL7	CHD-C4C	5.02	1.48	1.38
14	B	810	CL7	O2D-CGD	5.02	1.45	1.33
14	A	832	CL7	CHC-C1C	5.02	1.48	1.38
14	A	813	CL7	O2D-CGD	5.01	1.45	1.33
14	A	818	CL7	O2A-C1	5.01	1.59	1.46
14	A	809	CL7	CHD-C4C	5.01	1.48	1.38
14	A	839	CL7	O2D-CGD	5.01	1.45	1.33
14	A	804	CL7	CHC-C1C	5.01	1.48	1.38
14	A	845	CL7	O2D-CGD	5.00	1.45	1.33
14	A	842	CL7	O2D-CGD	5.00	1.45	1.33
14	A	838	CL7	CHC-C1C	5.00	1.48	1.38
14	A	807	CL7	O2D-CGD	4.99	1.45	1.33
14	A	843	CL7	CHC-C1C	4.99	1.48	1.38
14	A	808	CL7	O2D-CGD	4.98	1.45	1.33
14	F	201	CL7	O2D-CGD	4.98	1.45	1.33
14	I	101	CL7	O2D-CGD	4.98	1.45	1.33
14	A	855	CL7	O2D-CGD	4.98	1.45	1.33
14	A	823	CL7	O2A-C1	4.98	1.59	1.46
14	A	811	CL7	CHC-C1C	4.97	1.48	1.38
14	B	836	CL7	CHD-C4C	4.97	1.48	1.38
14	A	805	CL7	CHC-C1C	4.97	1.48	1.38
14	B	819	CL7	O2D-CGD	4.97	1.45	1.33
14	A	839	CL7	CHC-C1C	4.96	1.48	1.38
14	L	205	CL7	O2A-C1	4.96	1.59	1.46
14	B	811	CL7	O2D-CGD	4.96	1.45	1.33
14	B	812	CL7	CHC-C1C	4.96	1.48	1.38
14	B	833	CL7	CHC-C1C	4.96	1.48	1.38
14	B	815	CL7	CHC-C1C	4.95	1.48	1.38
14	B	838	CL7	CHD-C4C	4.95	1.48	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	829	CL7	O2A-C1	4.95	1.59	1.46
14	B	810	CL7	CHC-C1C	4.94	1.48	1.38
14	A	831	CL7	CHD-C4C	4.94	1.48	1.38
14	A	833	CL7	CHD-C4C	4.94	1.48	1.38
14	B	833	CL7	CHD-C4C	4.93	1.48	1.38
14	B	842	CL7	O2D-CGD	4.93	1.45	1.33
14	A	805	CL7	O2D-CGD	4.93	1.45	1.33
14	A	823	CL7	O2D-CGD	4.93	1.45	1.33
14	B	842	CL7	CHC-C1C	4.93	1.48	1.38
14	A	811	CL7	O2D-CGD	4.93	1.45	1.33
14	B	843	CL7	O2D-CGD	4.92	1.45	1.33
16	A	830	PQN	C10-C5	4.92	1.48	1.40
14	A	828	CL7	O2D-CGD	4.92	1.45	1.33
14	A	814	CL7	CHD-C4C	4.92	1.48	1.38
14	A	829	CL7	CHC-C1C	4.91	1.48	1.38
14	A	848	CL7	CHC-C1C	4.91	1.48	1.38
14	B	803	CL7	O2A-C1	4.91	1.59	1.46
14	B	805	CL7	O2D-CGD	4.91	1.45	1.33
14	B	839	CL7	CHC-C1C	4.90	1.48	1.38
14	A	811	CL7	CHD-C4C	4.90	1.48	1.38
14	A	843	CL7	CHD-C4C	4.90	1.48	1.38
14	A	845	CL7	CHD-C4C	4.90	1.48	1.38
14	B	812	CL7	O2D-CGD	4.90	1.45	1.33
14	B	816	CL7	CHC-C1C	4.89	1.48	1.38
14	B	839	CL7	CHD-C4C	4.89	1.48	1.38
14	K	102	CL7	CHC-C1C	4.89	1.48	1.38
14	A	841	CL7	O2D-CGD	4.89	1.45	1.33
14	B	822	CL7	O2A-C1	4.89	1.59	1.46
14	A	806	CL7	CHD-C4C	4.88	1.48	1.38
14	A	809	CL7	O2D-CGD	4.88	1.45	1.33
14	A	829	CL7	CHD-C4C	4.88	1.47	1.38
14	A	827	CL7	O2D-CGD	4.88	1.45	1.33
14	A	848	CL7	CHD-C4C	4.87	1.47	1.38
14	L	207	CL7	O2D-CGD	4.87	1.45	1.33
14	B	809	CL7	O2D-CGD	4.86	1.45	1.33
14	B	817	CL7	CHC-C1C	4.86	1.47	1.38
14	F	201	CL7	CHC-C1C	4.86	1.47	1.38
14	A	845	CL7	CHC-C1C	4.86	1.47	1.38
14	A	804	CL7	CHD-C4C	4.86	1.47	1.38
14	B	824	CL7	O2D-CGD	4.86	1.45	1.33
14	A	817	CL7	O2D-CGD	4.85	1.45	1.33
14	B	823	CL7	O2D-CGD	4.85	1.45	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	818	CL7	O2D-CGD	4.85	1.45	1.33
14	A	803	CL7	O2D-CGD	4.85	1.45	1.33
14	A	812	CL7	CHD-C4C	4.85	1.47	1.38
14	A	832	CL7	CHD-C4C	4.85	1.47	1.38
14	B	805	CL7	O2A-C1	4.85	1.59	1.46
14	A	804	CL7	O2D-CGD	4.85	1.45	1.33
14	B	836	CL7	CHC-C1C	4.84	1.47	1.38
14	F	203	CL7	CHC-C1C	4.84	1.47	1.38
14	A	834	CL7	CHD-C4C	4.84	1.47	1.38
14	A	816	CL7	O2D-CGD	4.84	1.45	1.33
14	B	815	CL7	CHD-C4C	4.84	1.47	1.38
14	B	837	CL7	CHD-C4C	4.84	1.47	1.38
14	A	819	CL7	O2A-C1	4.83	1.59	1.46
14	B	830	CL7	O2D-CGD	4.83	1.45	1.33
14	A	817	CL7	CHD-C4C	4.83	1.47	1.38
14	B	824	CL7	CHD-C4C	4.83	1.47	1.38
14	A	834	CL7	O2D-CGD	4.83	1.45	1.33
14	F	202	CL7	O2D-CGD	4.82	1.45	1.33
14	A	840	CL7	CHC-C1C	4.82	1.47	1.38
14	A	814	CL7	CHC-C1C	4.82	1.47	1.38
14	A	835	CL7	CHC-C1C	4.82	1.47	1.38
14	A	821	CL7	O2D-CGD	4.82	1.45	1.33
14	A	810	CL7	CHC-C1C	4.82	1.47	1.38
14	A	831	CL7	CHC-C1C	4.82	1.47	1.38
14	A	826	CL7	CHD-C4C	4.81	1.47	1.38
14	B	831	CL7	CHD-C4C	4.81	1.47	1.38
14	F	201	CL7	CHD-C4C	4.81	1.47	1.38
14	A	855	CL7	CHC-C1C	4.81	1.47	1.38
14	A	809	CL7	CHC-C1C	4.81	1.47	1.38
14	B	845	CL7	CHC-C1C	4.81	1.47	1.38
14	L	204	CL7	O2D-CGD	4.80	1.45	1.33
14	B	819	CL7	CHD-C4C	4.80	1.47	1.38
14	B	835	CL7	CHC-C1C	4.80	1.47	1.38
14	A	815	CL7	O2D-CGD	4.79	1.45	1.33
14	B	802	CL7	CHC-C1C	4.79	1.47	1.38
14	A	827	CL7	CHD-C4C	4.79	1.47	1.38
14	B	817	CL7	CHD-C4C	4.79	1.47	1.38
14	B	802	CL7	O2D-CGD	4.78	1.45	1.33
14	B	828	CL7	CHC-C1C	4.78	1.47	1.38
14	B	812	CL7	C3C-C2C	4.77	1.47	1.36
14	A	822	CL7	O2D-CGD	4.77	1.45	1.33
14	L	204	CL7	CHC-C1C	4.76	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	811	CL7	O2A-C1	4.76	1.58	1.46
12	A	801	G9R	O2D-CGD	4.76	1.44	1.33
16	B	820	PQN	C10-C5	4.76	1.48	1.40
14	A	855	CL7	CHD-C4C	4.75	1.47	1.38
14	A	808	CL7	CHC-C1C	4.75	1.47	1.38
14	A	840	CL7	O2D-CGD	4.74	1.44	1.33
14	B	828	CL7	O2D-CGD	4.74	1.44	1.33
14	B	823	CL7	CHC-C1C	4.74	1.47	1.38
14	F	202	CL7	C3C-C2C	4.73	1.47	1.36
14	B	808	CL7	CHD-C4C	4.73	1.47	1.38
14	B	837	CL7	CHC-C1C	4.72	1.47	1.38
14	B	830	CL7	CHD-C4C	4.72	1.47	1.38
14	L	205	CL7	O2D-CGD	4.72	1.44	1.33
14	A	842	CL7	CHC-C1C	4.71	1.47	1.38
14	B	823	CL7	CHD-C4C	4.71	1.47	1.38
14	B	818	CL7	CHC-C1C	4.71	1.47	1.38
14	A	816	CL7	CHC-C1C	4.70	1.47	1.38
14	B	822	CL7	CHD-C4C	4.69	1.47	1.38
14	B	824	CL7	CHC-C1C	4.69	1.47	1.38
14	B	817	CL7	O2D-CGD	4.69	1.44	1.33
14	A	812	CL7	CHC-C1C	4.68	1.47	1.38
14	B	810	CL7	CHD-C4C	4.68	1.47	1.38
14	A	806	CL7	CHC-C1C	4.68	1.47	1.38
14	B	827	CL7	CHD-C4C	4.67	1.47	1.38
14	A	807	CL7	CHD-C4C	4.67	1.47	1.38
14	B	845	CL7	CHD-C4C	4.67	1.47	1.38
14	B	809	CL7	CHD-C4C	4.66	1.47	1.38
14	B	840	CL7	CHD-C4C	4.66	1.47	1.38
14	B	812	CL7	CHD-C4C	4.66	1.47	1.38
14	B	838	CL7	CHC-C1C	4.66	1.47	1.38
14	A	846	CL7	O2D-CGD	4.65	1.44	1.33
14	A	834	CL7	CHC-C1C	4.65	1.47	1.38
14	B	809	CL7	CHC-C1C	4.65	1.47	1.38
14	A	827	CL7	CHC-C1C	4.65	1.47	1.38
14	A	819	CL7	CHD-C4C	4.64	1.47	1.38
14	A	841	CL7	CHC-C1C	4.64	1.47	1.38
14	B	806	CL7	O2D-CGD	4.64	1.44	1.33
14	B	831	CL7	O2D-CGD	4.64	1.44	1.33
14	B	814	CL7	CHD-C4C	4.63	1.47	1.38
14	I	101	CL7	CHC-C1C	4.63	1.47	1.38
14	A	822	CL7	CHD-C4C	4.63	1.47	1.38
14	A	836	CL7	CHD-C4C	4.62	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	834	CL7	C3C-C2C	4.62	1.46	1.36
14	B	815	CL7	C3C-C2C	4.61	1.46	1.36
14	A	833	CL7	CHC-C1C	4.61	1.47	1.38
14	A	813	CL7	CHC-C1C	4.61	1.47	1.38
14	B	822	CL7	O2D-CGD	4.61	1.44	1.33
14	B	835	CL7	C3C-C2C	4.61	1.46	1.36
14	A	819	CL7	O2D-CGD	4.60	1.44	1.33
14	B	842	CL7	C3C-C2C	4.60	1.46	1.36
14	L	207	CL7	CHC-C1C	4.60	1.47	1.38
14	A	838	CL7	C3C-C2C	4.60	1.46	1.36
14	A	806	CL7	O2D-CGD	4.59	1.44	1.33
14	B	819	CL7	CHC-C1C	4.59	1.47	1.38
14	B	826	CL7	O2D-CGD	4.59	1.44	1.33
14	B	803	CL7	O2D-CGD	4.59	1.44	1.33
14	A	826	CL7	CHC-C1C	4.59	1.47	1.38
14	A	816	CL7	CHD-C4C	4.58	1.47	1.38
14	A	844	CL7	CHC-C1C	4.58	1.47	1.38
14	B	813	CL7	CHC-C1C	4.57	1.47	1.38
14	B	836	CL7	C3C-C2C	4.57	1.46	1.36
14	B	839	CL7	C3C-C2C	4.57	1.46	1.36
14	L	205	CL7	CHD-C4C	4.55	1.47	1.38
14	I	101	CL7	CHD-C4C	4.55	1.47	1.38
14	A	818	CL7	O2D-CGD	4.55	1.44	1.33
14	A	829	CL7	C3C-C2C	4.55	1.46	1.36
14	A	834	CL7	C3C-C2C	4.55	1.46	1.36
14	A	822	CL7	CHC-C1C	4.55	1.47	1.38
14	A	810	CL7	CHD-C4C	4.55	1.47	1.38
14	B	827	CL7	CHC-C1C	4.54	1.47	1.38
14	A	828	CL7	CHC-C1C	4.54	1.47	1.38
14	A	838	CL7	O2D-CGD	4.53	1.44	1.33
14	B	829	CL7	C1C-NC	-4.53	1.31	1.37
14	A	821	CL7	CHC-C1C	4.53	1.47	1.38
14	A	823	CL7	CHC-C1C	4.53	1.47	1.38
14	A	803	CL7	CHD-C4C	4.52	1.47	1.38
14	F	203	CL7	C3C-C2C	4.52	1.46	1.36
14	A	813	CL7	C3C-C2C	4.52	1.46	1.36
14	B	837	CL7	C3C-C2C	4.52	1.46	1.36
14	B	809	CL7	C3C-C2C	4.52	1.46	1.36
14	A	846	CL7	CHC-C1C	4.51	1.47	1.38
14	K	102	CL7	C3C-C2C	4.51	1.46	1.36
14	A	832	CL7	C3C-C2C	4.50	1.46	1.36
14	A	821	CL7	CHD-C4C	4.50	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	821	CL7	O2D-CGD	4.50	1.44	1.33
14	B	827	CL7	C3C-C2C	4.50	1.46	1.36
14	A	804	CL7	C3C-C2C	4.50	1.46	1.36
14	A	815	CL7	CHD-C4C	4.50	1.47	1.38
14	B	807	CL7	O2D-CGD	4.49	1.44	1.33
14	B	817	CL7	C3C-C2C	4.49	1.46	1.36
14	L	207	CL7	CHD-C4C	4.49	1.47	1.38
14	A	810	CL7	C3C-C2C	4.49	1.46	1.36
14	B	828	CL7	C3C-C2C	4.49	1.46	1.36
14	B	826	CL7	C3C-C2C	4.48	1.46	1.36
14	A	835	CL7	C3C-C2C	4.48	1.46	1.36
14	B	830	CL7	C3C-C2C	4.48	1.46	1.36
14	B	826	CL7	CHD-C4C	4.48	1.47	1.38
14	B	813	CL7	O2D-CGD	4.48	1.44	1.33
14	B	814	CL7	O2D-CGD	4.48	1.44	1.33
14	A	807	CL7	CHC-C1C	4.47	1.47	1.38
14	B	844	CL7	CHC-C1C	4.47	1.47	1.38
14	A	811	CL7	C3C-C2C	4.47	1.46	1.36
14	A	843	CL7	C3C-C2C	4.47	1.46	1.36
14	B	811	CL7	CHD-C4C	4.46	1.47	1.38
14	B	833	CL7	C3C-C2C	4.46	1.46	1.36
14	B	840	CL7	O2D-CGD	4.46	1.44	1.33
14	A	826	CL7	C3C-C2C	4.46	1.46	1.36
14	B	808	CL7	CHC-C1C	4.46	1.47	1.38
14	A	848	CL7	C3C-C2C	4.46	1.46	1.36
14	K	101	CL7	C3C-C2C	4.46	1.46	1.36
14	A	820	CL7	CHD-C4C	4.46	1.47	1.38
14	A	828	CL7	C3C-C2C	4.45	1.46	1.36
14	A	831	CL7	C3C-C2C	4.45	1.46	1.36
14	B	843	CL7	CHD-C4C	4.44	1.47	1.38
14	A	814	CL7	C3C-C2C	4.44	1.46	1.36
14	A	839	CL7	CHD-C4C	4.43	1.47	1.38
14	B	829	CL7	O2D-CGD	4.43	1.44	1.33
14	A	827	CL7	C3C-C2C	4.43	1.46	1.36
14	B	819	CL7	C3C-C2C	4.42	1.46	1.36
14	B	814	CL7	CHC-C1C	4.42	1.47	1.38
14	A	836	CL7	C3C-C2C	4.42	1.46	1.36
14	A	803	CL7	CHC-C1C	4.42	1.47	1.38
14	A	823	CL7	CHD-C4C	4.42	1.47	1.38
14	B	811	CL7	CHC-C1C	4.41	1.47	1.38
14	A	805	CL7	C3C-C2C	4.41	1.46	1.36
14	L	204	CL7	CHD-C4C	4.41	1.47	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	816	CL7	C3C-C2C	4.41	1.46	1.36
14	A	818	CL7	CHC-C1C	4.41	1.47	1.38
15	L	208	LHG	O8-C23	4.40	1.46	1.33
14	A	836	CL7	CHC-C1C	4.40	1.47	1.38
14	A	846	CL7	CHD-C4C	4.40	1.47	1.38
14	A	844	CL7	CHD-C4C	4.40	1.47	1.38
14	B	818	CL7	CHD-C4C	4.40	1.47	1.38
14	B	805	CL7	CHD-C4C	4.39	1.47	1.38
14	B	831	CL7	C3C-C2C	4.39	1.46	1.36
14	B	806	CL7	CHC-C1C	4.39	1.47	1.38
14	B	814	CL7	C3C-C2C	4.39	1.46	1.36
14	F	201	CL7	C3C-C2C	4.38	1.46	1.36
14	B	821	CL7	CHC-C1C	4.38	1.47	1.38
14	B	843	CL7	CHC-C1C	4.38	1.47	1.38
14	B	826	CL7	CHC-C1C	4.38	1.47	1.38
14	A	812	CL7	C3C-C2C	4.38	1.46	1.36
14	B	810	CL7	C3C-C2C	4.38	1.46	1.36
14	A	820	CL7	O2D-CGD	4.38	1.44	1.33
14	B	830	CL7	O2A-C1	4.37	1.57	1.46
14	A	845	CL7	C3C-C2C	4.37	1.46	1.36
14	B	840	CL7	C3C-C2C	4.37	1.46	1.36
14	B	804	CL7	CHC-C1C	4.37	1.46	1.38
14	B	803	CL7	CHC-C1C	4.37	1.46	1.38
14	A	816	CL7	C3C-C2C	4.36	1.46	1.36
14	A	828	CL7	CHD-C4C	4.35	1.46	1.38
14	B	829	CL7	C1D-ND	-4.34	1.32	1.37
18	A	849	WVN	C01-C02	-4.34	1.44	1.56
15	A	824	LHG	O7-C7	4.34	1.46	1.34
14	L	205	CL7	CHC-C1C	4.33	1.46	1.38
14	I	101	CL7	C3C-C2C	4.32	1.46	1.36
14	B	821	CL7	CHD-C4C	4.32	1.46	1.38
14	A	809	CL7	C3C-C2C	4.31	1.46	1.36
14	A	820	CL7	C3C-C2C	4.31	1.46	1.36
14	B	843	CL7	C3C-C2C	4.31	1.46	1.36
14	B	813	CL7	CHD-C4C	4.30	1.46	1.38
14	A	818	CL7	C3C-C2C	4.29	1.46	1.36
14	B	838	CL7	C3C-C2C	4.29	1.46	1.36
14	A	806	CL7	C3C-C2C	4.29	1.46	1.36
14	A	855	CL7	C3C-C2C	4.29	1.46	1.36
14	B	824	CL7	C3C-C2C	4.29	1.46	1.36
14	A	820	CL7	CHC-C1C	4.28	1.46	1.38
14	B	808	CL7	O2D-CGD	4.28	1.43	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	833	CL7	C3C-C2C	4.28	1.46	1.36
14	B	804	CL7	CHD-C4C	4.28	1.46	1.38
14	A	815	CL7	CHC-C1C	4.27	1.46	1.38
14	A	817	CL7	C3C-C2C	4.27	1.46	1.36
14	L	205	CL7	C3C-C2C	4.27	1.46	1.36
14	B	844	CL7	CHD-C4C	4.27	1.46	1.38
12	A	801	G9R	C3D-C4D	-4.27	1.34	1.44
14	A	821	CL7	C3C-C2C	4.27	1.46	1.36
18	L	201	WVN	C02-C11	4.26	1.56	1.50
14	B	807	CL7	CHC-C1C	4.26	1.46	1.38
14	A	844	CL7	C3C-C2C	4.25	1.45	1.36
14	B	829	CL7	C3C-C2C	4.24	1.45	1.36
14	B	823	CL7	C3C-C2C	4.23	1.45	1.36
12	A	801	G9R	C3C-C2C	4.23	1.45	1.36
14	B	811	CL7	C3C-C2C	4.22	1.45	1.36
14	A	839	CL7	C3C-C2C	4.22	1.45	1.36
14	A	822	CL7	C3C-C2C	4.22	1.45	1.36
14	A	842	CL7	CHD-C4C	4.22	1.46	1.38
14	A	807	CL7	C3C-C2C	4.22	1.45	1.36
15	A	824	LHG	O8-C23	4.21	1.45	1.33
14	A	819	CL7	CHC-C1C	4.21	1.46	1.38
14	A	817	CL7	CHC-C1C	4.21	1.46	1.38
14	A	846	CL7	C3C-C2C	4.20	1.45	1.36
14	A	808	CL7	C3C-C2C	4.20	1.45	1.36
14	A	818	CL7	CHD-C4C	4.19	1.46	1.38
14	L	207	CL7	C3C-C2C	4.18	1.45	1.36
18	B	850	WVN	C01-C02	-4.18	1.44	1.56
14	B	807	CL7	CHD-C4C	4.17	1.46	1.38
14	B	803	CL7	C3C-C2C	4.16	1.45	1.36
14	B	813	CL7	C3C-C2C	4.16	1.45	1.36
14	B	844	CL7	C3C-C2C	4.16	1.45	1.36
18	A	851	WVN	C01-C02	-4.16	1.44	1.56
18	F	204	WVN	C01-C02	-4.15	1.44	1.56
14	A	803	CL7	C3C-C2C	4.15	1.45	1.36
12	A	801	G9R	CHC-C1C	4.14	1.46	1.38
14	A	842	CL7	C3C-C2C	4.14	1.45	1.36
14	B	802	CL7	C3C-C2C	4.14	1.45	1.36
14	B	805	CL7	CHC-C1C	4.14	1.46	1.38
14	B	829	CL7	C4C-NC	-4.14	1.32	1.37
14	A	819	CL7	C3C-C2C	4.14	1.45	1.36
14	B	803	CL7	C1D-ND	-4.13	1.32	1.37
14	B	845	CL7	C3C-C2C	4.13	1.45	1.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
20	B	825	LMG	O7-C10	4.13	1.46	1.34
14	B	808	CL7	C3C-C2C	4.13	1.45	1.36
14	A	804	CL7	CHC-C4B	4.12	1.48	1.39
14	L	204	CL7	C3C-C2C	4.11	1.45	1.36
14	A	842	CL7	MG-NC	4.11	2.13	2.05
14	B	827	CL7	O2D-CGD	4.10	1.43	1.33
14	B	818	CL7	C3C-C2C	4.09	1.45	1.36
14	A	815	CL7	C3C-C2C	4.08	1.45	1.36
14	B	806	CL7	C3C-C2C	4.07	1.45	1.36
18	K	103	WVN	C01-C02	-4.07	1.45	1.56
18	A	852	WVN	C01-C02	-4.07	1.45	1.56
14	A	839	CL7	CHC-C4B	4.06	1.48	1.39
18	M	101	WVN	C01-C02	-4.06	1.45	1.56
15	L	208	LHG	O7-C7	4.06	1.45	1.34
14	A	843	CL7	CHC-C4B	4.05	1.48	1.39
14	B	804	CL7	C3C-C2C	4.05	1.45	1.36
15	A	825	LHG	O8-C23	4.04	1.45	1.33
14	F	202	CL7	CHC-C4B	4.03	1.48	1.39
14	A	840	CL7	CHD-C4C	4.03	1.46	1.38
14	B	802	CL7	C1D-ND	-4.03	1.32	1.37
14	B	839	CL7	CHC-C4B	4.02	1.48	1.39
14	B	806	CL7	CHD-C4C	4.01	1.46	1.38
14	A	840	CL7	C3C-C2C	4.01	1.45	1.36
14	A	831	CL7	MG-NC	4.01	2.13	2.05
18	A	853	WVN	C01-C02	-4.00	1.45	1.56
14	A	841	CL7	MG-NC	4.00	2.13	2.05
14	B	831	CL7	CHC-C4B	4.00	1.48	1.39
14	B	805	CL7	C3C-C2C	3.99	1.45	1.36
14	A	820	CL7	MG-NC	3.99	2.13	2.05
14	B	821	CL7	C3C-C2C	3.99	1.45	1.36
14	B	835	CL7	MG-NC	3.98	2.13	2.05
14	B	822	CL7	CHC-C1C	3.98	1.46	1.38
14	A	814	CL7	CHC-C4B	3.98	1.48	1.39
18	B	851	WVN	C01-C02	-3.98	1.45	1.56
14	B	834	CL7	CHC-C4B	3.98	1.48	1.39
14	K	101	CL7	CHC-C4B	3.98	1.48	1.39
14	B	810	CL7	CHC-C4B	3.97	1.48	1.39
14	A	811	CL7	CHC-C4B	3.97	1.48	1.39
14	A	832	CL7	CHC-C4B	3.97	1.48	1.39
14	A	829	CL7	MG-NC	3.97	2.13	2.05
14	B	829	CL7	CHC-C1C	3.97	1.46	1.38
14	B	829	CL7	CHD-C4C	3.96	1.46	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
18	L	202	WVN	C01-C02	-3.96	1.45	1.56
18	F	205	WVN	C01-C02	-3.96	1.45	1.56
14	B	844	CL7	C1C-NC	-3.96	1.32	1.37
14	A	848	CL7	CHC-C4B	3.96	1.48	1.39
14	A	805	CL7	MG-NC	3.95	2.13	2.05
14	B	840	CL7	CHC-C4B	3.95	1.48	1.39
14	A	832	CL7	MG-NC	3.95	2.13	2.05
14	F	203	CL7	MG-NC	3.95	2.13	2.05
14	B	830	CL7	C1C-NC	-3.95	1.32	1.37
14	B	807	CL7	C3C-C2C	3.95	1.45	1.36
18	L	209	WVN	C01-C02	-3.94	1.45	1.56
14	A	817	CL7	C1D-ND	-3.94	1.32	1.37
14	B	812	CL7	CHC-C4B	3.94	1.48	1.39
14	B	819	CL7	MG-NC	3.94	2.13	2.05
14	B	827	CL7	MG-NC	3.93	2.13	2.05
14	A	806	CL7	CHC-C4B	3.93	1.48	1.39
14	B	822	CL7	C3C-C2C	3.92	1.45	1.36
14	A	840	CL7	CHC-C4B	3.92	1.48	1.39
14	A	810	CL7	CHC-C4B	3.92	1.48	1.39
14	F	201	CL7	CHB-C1B	3.92	1.48	1.39
14	A	819	CL7	C4B-NB	-3.92	1.32	1.37
14	B	818	CL7	C1D-ND	-3.92	1.32	1.37
14	A	841	CL7	CHC-C4B	3.91	1.48	1.39
14	B	833	CL7	CHC-C4B	3.91	1.48	1.39
14	A	829	CL7	CHC-C4B	3.91	1.48	1.39
14	B	815	CL7	CHC-C4B	3.91	1.48	1.39
15	A	825	LHG	O7-C7	3.90	1.45	1.34
14	B	807	CL7	CHB-C1B	3.90	1.48	1.39
14	B	816	CL7	MG-NC	3.90	2.13	2.05
14	B	814	CL7	C1B-NB	-3.90	1.32	1.37
14	A	840	CL7	C1C-NC	-3.89	1.32	1.37
14	B	828	CL7	CHC-C4B	3.89	1.48	1.39
14	A	810	CL7	MG-NC	3.89	2.13	2.05
14	B	815	CL7	MG-NC	3.89	2.13	2.05
14	A	811	CL7	MG-NC	3.89	2.13	2.05
14	L	207	CL7	CHB-C1B	3.89	1.48	1.39
14	B	803	CL7	C1C-NC	-3.88	1.32	1.37
14	B	803	CL7	CHD-C4C	3.88	1.46	1.38
18	A	850	WVN	C02-C11	3.88	1.56	1.50
14	K	102	CL7	MG-NC	3.88	2.13	2.05
20	B	825	LMG	C19-C18	-3.88	1.32	1.51
14	A	805	CL7	CHC-C4B	3.87	1.48	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	K	101	CL7	MG-NC	3.87	2.13	2.05
14	B	806	CL7	C1D-ND	-3.87	1.32	1.37
14	A	838	CL7	CHC-C4B	3.87	1.48	1.39
14	B	802	CL7	CHD-C4C	3.87	1.46	1.38
14	B	837	CL7	MG-NC	3.86	2.13	2.05
14	A	855	CL7	CHC-C4B	3.86	1.48	1.39
14	L	204	CL7	MG-NC	3.86	2.13	2.05
14	F	201	CL7	CHC-C4B	3.86	1.48	1.39
14	A	804	CL7	CHB-C1B	3.85	1.48	1.39
14	A	807	CL7	CHB-C1B	3.85	1.48	1.39
14	B	830	CL7	CHC-C1C	3.85	1.45	1.38
14	A	827	CL7	MG-NC	3.85	2.13	2.05
14	B	836	CL7	CHC-C4B	3.85	1.48	1.39
14	B	833	CL7	MG-NC	3.84	2.13	2.05
14	B	813	CL7	CHB-C1B	3.84	1.48	1.39
14	B	829	CL7	C4B-NB	-3.84	1.32	1.37
14	B	814	CL7	MG-NC	3.84	2.13	2.05
14	B	807	CL7	C1B-NB	-3.84	1.32	1.37
14	F	201	CL7	MG-NC	3.84	2.13	2.05
14	B	817	CL7	CHC-C4B	3.84	1.48	1.39
14	L	207	CL7	MG-NC	3.83	2.13	2.05
14	A	831	CL7	CHC-C4B	3.83	1.48	1.39
14	A	836	CL7	CHC-C4B	3.83	1.48	1.39
12	A	801	G9R	C1B-NB	-3.83	1.32	1.37
14	B	802	CL7	MG-NC	3.83	2.13	2.05
14	B	823	CL7	CHB-C1B	3.83	1.48	1.39
14	K	102	CL7	CHC-C4B	3.83	1.48	1.39
14	B	843	CL7	C1C-NC	-3.82	1.32	1.37
14	A	848	CL7	MG-NC	3.82	2.13	2.05
14	A	835	CL7	MG-NC	3.82	2.13	2.05
14	B	816	CL7	CHC-C4B	3.81	1.48	1.39
14	L	204	CL7	CHC-C4B	3.81	1.48	1.39
14	B	842	CL7	CHC-C4B	3.81	1.48	1.39
14	A	810	CL7	CHB-C1B	3.80	1.47	1.39
14	A	820	CL7	CHB-C1B	3.80	1.47	1.39
14	A	835	CL7	CHC-C4B	3.80	1.47	1.39
14	A	814	CL7	CHB-C1B	3.79	1.47	1.39
14	A	815	CL7	C1C-NC	-3.79	1.32	1.37
14	A	812	CL7	CHB-C1B	3.79	1.47	1.39
14	A	815	CL7	CHC-C4B	3.79	1.47	1.39
14	B	819	CL7	CHC-C4B	3.79	1.47	1.39
14	B	824	CL7	CHC-C4B	3.79	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	809	CL7	CHC-C4B	3.79	1.47	1.39
14	B	837	CL7	CHB-C1B	3.79	1.47	1.39
14	B	838	CL7	CHB-C1B	3.78	1.47	1.39
14	B	839	CL7	MG-NC	3.78	2.13	2.05
14	B	845	CL7	CHC-C4B	3.78	1.47	1.39
18	F	205	WVN	C02-C11	3.78	1.55	1.50
14	F	202	CL7	MG-NC	3.78	2.13	2.05
14	B	835	CL7	OBD-CAD	3.78	1.29	1.22
14	B	842	CL7	MG-NC	3.78	2.13	2.05
14	B	838	CL7	MG-NC	3.78	2.13	2.05
14	B	815	CL7	CHB-C1B	3.78	1.47	1.39
20	B	825	LMG	C25-C24	-3.77	1.33	1.51
14	B	802	CL7	CHC-C4B	3.77	1.47	1.39
14	B	819	CL7	CHB-C1B	3.77	1.47	1.39
14	B	823	CL7	CHC-C4B	3.77	1.47	1.39
14	B	826	CL7	CHC-C4B	3.77	1.47	1.39
14	A	804	CL7	OBD-CAD	3.77	1.29	1.22
14	A	836	CL7	MG-NC	3.77	2.13	2.05
14	B	822	CL7	C1D-ND	-3.77	1.32	1.37
13	A	854	PHO	CBD-CGD	-3.77	1.47	1.52
14	A	829	CL7	CHB-C1B	3.77	1.47	1.39
14	B	808	CL7	C1B-NB	-3.76	1.32	1.37
14	B	835	CL7	CHD-C1D	3.76	1.47	1.39
14	A	813	CL7	CHD-C1D	3.76	1.47	1.39
14	A	809	CL7	MG-NC	3.76	2.13	2.05
14	F	203	CL7	CHB-C1B	3.76	1.47	1.39
14	B	842	CL7	CHB-C1B	3.76	1.47	1.39
14	B	837	CL7	CHC-C4B	3.76	1.47	1.39
14	A	855	CL7	MG-NC	3.76	2.13	2.05
20	B	825	LMG	C22-C21	-3.75	1.33	1.51
14	A	826	CL7	CHB-C1B	3.75	1.47	1.39
14	A	823	CL7	C3C-C2C	3.75	1.44	1.36
14	A	855	CL7	CHB-C1B	3.75	1.47	1.39
14	A	844	CL7	MG-NC	3.75	2.13	2.05
14	B	831	CL7	CHB-C1B	3.75	1.47	1.39
14	B	839	CL7	CHB-C1B	3.75	1.47	1.39
14	A	808	CL7	CHC-C4B	3.75	1.47	1.39
14	A	810	CL7	OBD-CAD	3.75	1.28	1.22
14	B	839	CL7	OBD-CAD	3.75	1.28	1.22
14	K	101	CL7	OBD-CAD	3.75	1.28	1.22
14	A	808	CL7	MG-NC	3.75	2.13	2.05
14	I	101	CL7	MG-NC	3.75	2.13	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	I	101	CL7	CHC-C4B	3.74	1.47	1.39
14	B	809	CL7	CHC-C4B	3.74	1.47	1.39
14	B	838	CL7	OBD-CAD	3.74	1.28	1.22
14	A	823	CL7	CHB-C1B	3.74	1.47	1.39
14	K	101	CL7	CHB-C1B	3.74	1.47	1.39
14	B	827	CL7	CHC-C4B	3.74	1.47	1.39
14	B	834	CL7	OBD-CAD	3.74	1.28	1.22
14	B	833	CL7	CHB-C1B	3.74	1.47	1.39
14	A	815	CL7	MG-NC	3.73	2.13	2.05
14	A	805	CL7	OBD-CAD	3.73	1.28	1.22
14	A	833	CL7	CHB-C1B	3.73	1.47	1.39
14	F	203	CL7	OBD-CAD	3.73	1.28	1.22
14	B	811	CL7	CHB-C1B	3.73	1.47	1.39
14	B	840	CL7	C1B-NB	-3.73	1.33	1.37
14	A	833	CL7	OBD-CAD	3.72	1.28	1.22
14	A	848	CL7	CHB-C1B	3.72	1.47	1.39
14	A	848	CL7	OBD-CAD	3.72	1.28	1.22
12	A	801	G9R	CHD-C1D	3.72	1.45	1.38
14	A	817	CL7	MG-NC	3.72	2.13	2.05
14	A	831	CL7	CHB-C1B	3.72	1.47	1.39
14	A	832	CL7	CHB-C1B	3.72	1.47	1.39
18	I	102	WVN	C01-C02	-3.72	1.46	1.56
14	F	203	CL7	CHC-C4B	3.72	1.47	1.39
14	B	831	CL7	MG-NC	3.72	2.13	2.05
14	L	205	CL7	C1D-ND	-3.72	1.33	1.37
14	A	838	CL7	MG-NC	3.71	2.13	2.05
20	B	825	LMG	C40-C39	-3.71	1.33	1.51
14	B	834	CL7	CHB-C1B	3.71	1.47	1.39
20	B	825	LMG	C43-C42	-3.70	1.33	1.51
14	B	844	CL7	CHC-C4B	3.70	1.47	1.39
14	B	809	CL7	C1C-NC	-3.70	1.33	1.37
14	A	842	CL7	CHB-C1B	3.70	1.47	1.39
14	A	835	CL7	OBD-CAD	3.70	1.28	1.22
14	A	808	CL7	CHD-C1D	3.70	1.47	1.39
14	A	828	CL7	C1C-NC	-3.70	1.33	1.37
14	A	814	CL7	MG-NC	3.69	2.13	2.05
14	A	844	CL7	CHC-C4B	3.69	1.47	1.39
14	B	833	CL7	OBD-CAD	3.69	1.28	1.22
14	B	838	CL7	CHC-C4B	3.69	1.47	1.39
14	B	836	CL7	MG-NC	3.69	2.13	2.05
14	A	820	CL7	C1D-ND	-3.69	1.33	1.37
14	I	101	CL7	CHB-C1B	3.69	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	815	CL7	C1D-ND	-3.68	1.33	1.37
14	A	809	CL7	CHB-C1B	3.68	1.47	1.39
14	B	816	CL7	CHD-C1D	3.68	1.47	1.39
14	B	811	CL7	CHC-C4B	3.68	1.47	1.39
14	B	806	CL7	C1C-NC	-3.68	1.33	1.37
20	B	825	LMG	C37-C36	-3.68	1.33	1.51
14	A	827	CL7	CHC-C4B	3.68	1.47	1.39
14	A	804	CL7	MG-NC	3.68	2.13	2.05
14	B	805	CL7	C1D-ND	-3.67	1.33	1.37
14	L	205	CL7	C1C-NC	-3.67	1.33	1.37
14	A	833	CL7	CHC-C4B	3.67	1.47	1.39
14	A	822	CL7	CHC-C4B	3.67	1.47	1.39
14	A	831	CL7	OBD-CAD	3.67	1.28	1.22
14	B	827	CL7	CHB-C1B	3.67	1.47	1.39
14	B	830	CL7	C4B-NB	-3.67	1.33	1.37
14	A	821	CL7	CHC-C4B	3.67	1.47	1.39
14	A	842	CL7	CHC-C4B	3.67	1.47	1.39
14	B	822	CL7	MG-NC	3.66	2.13	2.05
14	A	829	CL7	OBD-CAD	3.66	1.28	1.22
14	A	838	CL7	OBD-CAD	3.66	1.28	1.22
14	K	102	CL7	CHB-C1B	3.66	1.47	1.39
14	B	823	CL7	MG-NC	3.66	2.13	2.05
14	B	830	CL7	C4C-NC	-3.66	1.33	1.37
14	F	202	CL7	OBD-CAD	3.66	1.28	1.22
14	A	811	CL7	CHB-C1B	3.66	1.47	1.39
14	B	834	CL7	MG-NC	3.66	2.13	2.05
14	F	201	CL7	OBD-CAD	3.66	1.28	1.22
14	A	806	CL7	MG-NC	3.65	2.13	2.05
18	A	850	WVN	C01-C02	-3.65	1.46	1.56
14	B	828	CL7	OBD-CAD	3.65	1.28	1.22
14	A	843	CL7	MG-NC	3.65	2.13	2.05
14	B	822	CL7	C1C-NC	-3.65	1.33	1.37
14	B	804	CL7	MG-NC	3.65	2.13	2.05
14	A	828	CL7	CHC-C4B	3.65	1.47	1.39
14	B	828	CL7	CHB-C1B	3.65	1.47	1.39
14	B	824	CL7	CHB-C1B	3.65	1.47	1.39
14	A	822	CL7	CHB-C1B	3.65	1.47	1.39
14	A	839	CL7	CHB-C1B	3.65	1.47	1.39
18	M	101	WVN	C02-C11	3.65	1.55	1.50
14	B	835	CL7	CHC-C4B	3.64	1.47	1.39
18	K	103	WVN	C02-C11	3.64	1.55	1.50
14	B	812	CL7	MG-NC	3.64	2.13	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	808	CL7	MG-NC	3.64	2.13	2.05
14	B	817	CL7	MG-NC	3.64	2.13	2.05
14	A	832	CL7	OBD-CAD	3.64	1.28	1.22
14	B	811	CL7	C1D-ND	-3.63	1.33	1.37
14	B	835	CL7	CHB-C1B	3.63	1.47	1.39
14	B	815	CL7	OBD-CAD	3.63	1.28	1.22
14	B	845	CL7	MG-NC	3.63	2.13	2.05
14	A	839	CL7	MG-NC	3.62	2.13	2.05
14	A	819	CL7	C1C-NC	-3.62	1.33	1.37
14	B	809	CL7	MG-NC	3.62	2.13	2.05
14	B	840	CL7	CHB-C1B	3.62	1.47	1.39
14	B	842	CL7	OBD-CAD	3.62	1.28	1.22
14	A	835	CL7	CHD-C1D	3.62	1.47	1.39
14	A	855	CL7	OBD-CAD	3.61	1.28	1.22
14	B	804	CL7	C1B-NB	-3.61	1.33	1.37
18	B	851	WVN	C02-C11	3.61	1.55	1.50
14	A	812	CL7	CHC-C4B	3.61	1.47	1.39
14	B	810	CL7	OBD-CAD	3.61	1.28	1.22
14	A	819	CL7	MG-NC	3.61	2.12	2.05
14	A	826	CL7	C1C-NC	-3.61	1.33	1.37
14	B	844	CL7	CHB-C1B	3.61	1.47	1.39
14	B	813	CL7	MG-NC	3.60	2.12	2.05
14	A	808	CL7	CHB-C1B	3.60	1.47	1.39
14	B	837	CL7	OBD-CAD	3.60	1.28	1.22
14	A	805	CL7	CHB-C1B	3.60	1.47	1.39
14	B	806	CL7	CHC-C4B	3.60	1.47	1.39
14	A	835	CL7	CHB-C1B	3.60	1.47	1.39
14	A	845	CL7	CHC-C4B	3.59	1.47	1.39
14	A	828	CL7	CHB-C1B	3.59	1.47	1.39
14	B	807	CL7	MG-NC	3.59	2.12	2.05
14	B	821	CL7	MG-NC	3.59	2.12	2.05
14	B	809	CL7	CHB-C1B	3.59	1.47	1.39
14	B	803	CL7	C1B-NB	-3.59	1.33	1.37
14	A	813	CL7	MG-NC	3.59	2.12	2.05
14	A	828	CL7	C1D-ND	-3.58	1.33	1.37
14	B	812	CL7	CHB-C1B	3.58	1.47	1.39
14	A	833	CL7	MG-NC	3.58	2.12	2.05
14	B	824	CL7	MG-NC	3.58	2.12	2.05
14	L	205	CL7	CHC-C4B	3.58	1.47	1.39
18	A	852	WVN	C02-C11	3.58	1.55	1.50
14	B	803	CL7	CHB-C1B	3.58	1.47	1.39
14	B	818	CL7	MG-NC	3.57	2.12	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	818	CL7	C1C-NC	-3.57	1.33	1.37
14	A	816	CL7	CHC-C4B	3.57	1.47	1.39
14	A	826	CL7	CHC-C4B	3.57	1.47	1.39
13	A	802	PHO	CBD-CGD	-3.57	1.48	1.52
14	A	812	CL7	OBD-CAD	3.57	1.28	1.22
14	F	203	CL7	CHD-C1D	3.56	1.47	1.39
14	A	834	CL7	CHC-C4B	3.56	1.47	1.39
14	I	101	CL7	OBD-CAD	3.56	1.28	1.22
14	B	829	CL7	CHB-C1B	3.56	1.47	1.39
12	A	801	G9R	C1D-ND	-3.56	1.33	1.37
14	A	840	CL7	CHB-C1B	3.56	1.47	1.39
14	A	834	CL7	MG-NC	3.56	2.12	2.05
14	A	807	CL7	MG-NC	3.56	2.12	2.05
14	B	805	CL7	C1C-NC	-3.56	1.33	1.37
14	A	818	CL7	CHB-C1B	3.56	1.47	1.39
14	A	845	CL7	OBD-CAD	3.56	1.28	1.22
14	A	846	CL7	CHC-C4B	3.55	1.47	1.39
14	B	830	CL7	C1B-NB	-3.55	1.33	1.37
14	B	810	CL7	MG-NC	3.55	2.12	2.05
14	A	805	CL7	CHD-C1D	3.55	1.47	1.39
14	A	826	CL7	OBD-CAD	3.55	1.28	1.22
14	B	810	CL7	CHB-C1B	3.55	1.47	1.39
14	B	826	CL7	MG-NC	3.55	2.12	2.05
14	B	840	CL7	MG-NC	3.55	2.12	2.05
14	B	818	CL7	CHC-C4B	3.54	1.47	1.39
20	B	825	LMG	O8-C28	3.54	1.43	1.33
14	A	845	CL7	MG-NC	3.54	2.12	2.05
14	B	845	CL7	C1B-NB	-3.54	1.33	1.37
14	A	807	CL7	OBD-CAD	3.54	1.28	1.22
14	B	816	CL7	OBD-CAD	3.53	1.28	1.22
14	B	833	CL7	CHD-C1D	3.53	1.47	1.39
14	B	817	CL7	CHB-C1B	3.53	1.47	1.39
14	B	815	CL7	C1D-ND	-3.53	1.33	1.37
14	B	805	CL7	CHB-C1B	3.53	1.47	1.39
14	B	827	CL7	C1C-NC	-3.53	1.33	1.37
14	B	818	CL7	C1C-NC	-3.53	1.33	1.37
14	A	841	CL7	CHD-C1D	3.53	1.47	1.39
14	A	841	CL7	C1C-NC	-3.52	1.33	1.37
14	B	830	CL7	C1D-ND	-3.52	1.33	1.37
14	B	808	CL7	CHC-C4B	3.52	1.47	1.39
14	A	820	CL7	C1B-NB	-3.52	1.33	1.37
14	A	822	CL7	MG-NC	3.52	2.12	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	828	CL7	MG-NC	3.51	2.12	2.05
14	B	828	CL7	CHD-C1D	3.51	1.47	1.39
14	B	821	CL7	CHC-C4B	3.51	1.47	1.39
18	B	848	WVN	C01-C02	-3.51	1.46	1.56
14	A	818	CL7	MG-NC	3.51	2.12	2.05
14	B	830	CL7	MG-NC	3.51	2.12	2.05
14	A	815	CL7	CHB-C1B	3.51	1.47	1.39
14	A	834	CL7	CHB-C1B	3.51	1.47	1.39
14	A	821	CL7	CHB-C1B	3.51	1.47	1.39
18	A	853	WVN	C02-C11	3.50	1.55	1.50
14	B	813	CL7	C1C-NC	-3.50	1.33	1.37
14	A	807	CL7	CHC-C4B	3.50	1.47	1.39
14	K	101	CL7	CHD-C1D	3.50	1.47	1.39
14	A	838	CL7	CHD-C1D	3.50	1.47	1.39
14	A	821	CL7	C1C-NC	-3.50	1.33	1.37
14	B	822	CL7	CHC-C4B	3.50	1.47	1.39
14	B	809	CL7	OBD-CAD	3.50	1.28	1.22
14	A	846	CL7	CHB-C1B	3.50	1.47	1.39
14	B	802	CL7	CHB-C1B	3.50	1.47	1.39
14	A	844	CL7	CHB-C1B	3.49	1.47	1.39
14	B	836	CL7	CHB-C1B	3.49	1.47	1.39
14	A	812	CL7	MG-NC	3.49	2.12	2.05
14	B	839	CL7	CHD-C1D	3.49	1.47	1.39
14	I	101	CL7	C1C-NC	-3.49	1.33	1.37
14	A	843	CL7	OBD-CAD	3.49	1.28	1.22
14	B	830	CL7	CHC-C4B	3.49	1.47	1.39
14	A	809	CL7	CHD-C1D	3.49	1.47	1.39
14	A	842	CL7	C1D-ND	-3.49	1.33	1.37
14	B	842	CL7	CHD-C1D	3.48	1.47	1.39
14	A	831	CL7	CHD-C1D	3.48	1.47	1.39
14	B	821	CL7	CHB-C1B	3.48	1.47	1.39
14	B	834	CL7	CHD-C1D	3.48	1.47	1.39
14	A	816	CL7	C1C-NC	-3.48	1.33	1.37
14	B	804	CL7	CHB-C1B	3.48	1.47	1.39
14	A	813	CL7	OBD-CAD	3.48	1.28	1.22
14	B	814	CL7	CHC-C4B	3.47	1.47	1.39
14	B	814	CL7	CHB-C1B	3.47	1.47	1.39
14	B	807	CL7	C1D-ND	-3.47	1.33	1.37
14	B	844	CL7	OBD-CAD	3.47	1.28	1.22
14	B	805	CL7	CHC-C4B	3.47	1.47	1.39
14	A	841	CL7	CHB-C1B	3.47	1.47	1.39
14	A	803	CL7	C1B-NB	-3.47	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	814	CL7	OBD-CAD	3.47	1.28	1.22
14	A	828	CL7	C1B-NB	-3.47	1.33	1.37
14	A	838	CL7	CHB-C1B	3.47	1.47	1.39
14	A	818	CL7	CHC-C4B	3.47	1.47	1.39
14	B	844	CL7	MG-NC	3.46	2.12	2.05
14	A	842	CL7	MG-ND	-3.46	1.98	2.05
14	B	843	CL7	MG-NC	3.46	2.12	2.05
14	B	843	CL7	C1B-NB	-3.46	1.33	1.37
14	A	820	CL7	CHC-C4B	3.46	1.47	1.39
14	B	806	CL7	MG-NC	3.46	2.12	2.05
14	A	813	CL7	CHC-C4B	3.45	1.47	1.39
14	B	826	CL7	CHB-C1B	3.45	1.47	1.39
14	A	819	CL7	OBD-CAD	3.45	1.28	1.22
14	B	843	CL7	CHC-C4B	3.45	1.47	1.39
14	A	815	CL7	C1B-NB	-3.45	1.33	1.37
14	A	839	CL7	C1D-ND	-3.45	1.33	1.37
14	A	836	CL7	CHB-C1B	3.45	1.47	1.39
14	A	817	CL7	CHC-C4B	3.45	1.47	1.39
14	A	810	CL7	C1D-ND	-3.45	1.33	1.37
14	B	828	CL7	MG-NC	3.45	2.12	2.05
14	B	817	CL7	OBD-CAD	3.44	1.28	1.22
14	K	102	CL7	CHD-C1D	3.44	1.47	1.39
14	B	843	CL7	C1D-ND	-3.44	1.33	1.37
14	L	205	CL7	MG-NC	3.44	2.12	2.05
14	A	845	CL7	CHB-C1B	3.44	1.47	1.39
14	A	804	CL7	CHD-C1D	3.44	1.47	1.39
14	A	821	CL7	MG-NC	3.44	2.12	2.05
14	B	844	CL7	C1D-ND	-3.44	1.33	1.37
14	A	827	CL7	OBD-CAD	3.44	1.28	1.22
14	F	202	CL7	CHB-C1B	3.44	1.47	1.39
14	B	830	CL7	CHB-C1B	3.43	1.47	1.39
14	A	843	CL7	CHD-C1D	3.43	1.47	1.39
14	B	840	CL7	C1C-NC	-3.43	1.33	1.37
14	A	846	CL7	MG-NC	3.43	2.12	2.05
14	A	834	CL7	C1C-NC	-3.43	1.33	1.37
14	B	821	CL7	C1B-NB	-3.43	1.33	1.37
14	B	836	CL7	OBD-CAD	3.42	1.28	1.22
14	L	204	CL7	CHB-C1B	3.42	1.47	1.39
14	B	804	CL7	CHC-C4B	3.42	1.47	1.39
12	A	801	G9R	CHC-C4B	3.42	1.47	1.39
14	A	819	CL7	CHC-C4B	3.42	1.47	1.39
12	A	801	G9R	CHB-C1B	3.42	1.47	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	833	CL7	CHD-C1D	3.42	1.47	1.39
14	A	832	CL7	CHD-C1D	3.42	1.47	1.39
14	B	807	CL7	C1C-NC	-3.42	1.33	1.37
14	A	812	CL7	CHD-C1D	3.41	1.47	1.39
14	L	204	CL7	OBD-CAD	3.41	1.28	1.22
14	B	813	CL7	CHC-C4B	3.41	1.47	1.39
14	B	804	CL7	C1D-ND	-3.41	1.33	1.37
14	A	807	CL7	C1C-NC	-3.41	1.33	1.37
14	A	843	CL7	CHB-C1B	3.41	1.47	1.39
14	A	816	CL7	C1B-NB	-3.41	1.33	1.37
14	B	808	CL7	CHB-C1B	3.40	1.47	1.39
14	B	809	CL7	CHD-C1D	3.40	1.47	1.39
14	B	828	CL7	C1C-NC	-3.39	1.33	1.37
14	B	838	CL7	CHD-C1D	3.39	1.47	1.39
14	B	822	CL7	CHB-C1B	3.39	1.47	1.39
14	A	842	CL7	C1B-NB	-3.39	1.33	1.37
14	A	803	CL7	C1D-ND	-3.39	1.33	1.37
14	A	839	CL7	C1C-NC	-3.38	1.33	1.37
14	B	826	CL7	C1C-NC	-3.38	1.33	1.37
14	A	806	CL7	CHD-C1D	3.38	1.47	1.39
14	A	829	CL7	CHD-C1D	3.38	1.47	1.39
14	B	816	CL7	MG-ND	-3.38	1.99	2.05
14	K	102	CL7	OBD-CAD	3.38	1.28	1.22
14	B	806	CL7	CHB-C1B	3.37	1.47	1.39
14	A	823	CL7	MG-NC	3.37	2.12	2.05
14	A	836	CL7	C1C-NC	-3.37	1.33	1.37
14	A	826	CL7	MG-NC	3.37	2.12	2.05
14	A	821	CL7	C1D-ND	-3.37	1.33	1.37
14	B	811	CL7	MG-NC	3.37	2.12	2.05
14	A	812	CL7	C1C-NC	-3.37	1.33	1.37
18	I	102	WVN	C02-C11	3.36	1.55	1.50
14	A	813	CL7	C1B-NB	-3.36	1.33	1.37
14	B	845	CL7	C1C-NC	-3.36	1.33	1.37
14	A	819	CL7	CHD-C1D	3.36	1.47	1.39
14	A	816	CL7	CHB-C1B	3.36	1.47	1.39
14	B	805	CL7	MG-NC	3.36	2.12	2.05
14	B	843	CL7	CHB-C1B	3.36	1.47	1.39
14	L	207	CL7	CHC-C4B	3.36	1.46	1.39
14	A	827	CL7	C1D-ND	-3.36	1.33	1.37
14	B	829	CL7	CHC-C4B	3.35	1.46	1.39
14	A	811	CL7	OBD-CAD	3.35	1.28	1.22
14	A	803	CL7	CHB-C1B	3.35	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	F	201	CL7	CHD-C1D	3.35	1.46	1.39
14	A	836	CL7	CHD-C1D	3.35	1.46	1.39
14	A	803	CL7	CHC-C4B	3.35	1.46	1.39
14	B	821	CL7	C1C-NC	-3.35	1.33	1.37
14	A	803	CL7	MG-NC	3.35	2.12	2.05
14	A	818	CL7	C1D-ND	-3.35	1.33	1.37
12	A	801	G9R	CHD-C4C	3.35	1.46	1.39
14	B	813	CL7	C1D-ND	-3.35	1.33	1.37
14	A	827	CL7	CHB-C1B	3.34	1.46	1.39
14	A	814	CL7	CHD-C1D	3.34	1.46	1.39
14	B	803	CL7	CHC-C4B	3.34	1.46	1.39
14	A	841	CL7	OBD-CAD	3.34	1.28	1.22
14	B	802	CL7	C1C-NC	-3.34	1.33	1.37
14	A	823	CL7	CHC-C4B	3.34	1.46	1.39
14	B	845	CL7	CHB-C1B	3.34	1.46	1.39
14	A	806	CL7	CHB-C1B	3.34	1.46	1.39
14	A	811	CL7	CHD-C1D	3.34	1.46	1.39
14	A	842	CL7	C1C-NC	-3.33	1.33	1.37
14	A	817	CL7	C1C-NC	-3.33	1.33	1.37
13	A	854	PHO	C1B-C2B	3.32	1.43	1.39
14	B	836	CL7	CHD-C1D	3.32	1.46	1.39
14	A	846	CL7	C1D-ND	-3.31	1.33	1.37
14	A	809	CL7	OBD-CAD	3.31	1.28	1.22
14	A	823	CL7	C1C-NC	-3.31	1.33	1.37
14	B	840	CL7	C1D-ND	-3.31	1.33	1.37
14	A	827	CL7	C1B-NB	-3.31	1.33	1.37
18	F	204	WVN	C02-C11	3.31	1.55	1.50
14	B	840	CL7	CHD-C1D	3.30	1.46	1.39
14	B	844	CL7	C1B-NB	-3.30	1.33	1.37
14	B	804	CL7	C1C-NC	-3.30	1.33	1.37
14	A	826	CL7	CHD-C1D	3.30	1.46	1.39
14	A	834	CL7	CHD-C1D	3.29	1.46	1.39
14	B	810	CL7	CHD-C1D	3.29	1.46	1.39
14	A	855	CL7	CHD-C1D	3.29	1.46	1.39
14	A	834	CL7	C1D-ND	-3.29	1.33	1.37
14	A	844	CL7	C1D-ND	-3.28	1.33	1.37
14	B	821	CL7	C1D-ND	-3.28	1.33	1.37
14	A	813	CL7	CHB-C1B	3.28	1.46	1.39
14	A	855	CL7	C1C-NC	-3.28	1.33	1.37
14	B	816	CL7	C1D-ND	-3.28	1.33	1.37
14	A	836	CL7	OBD-CAD	3.28	1.28	1.22
14	B	811	CL7	C4C-NC	-3.27	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	818	CL7	C1B-NB	-3.27	1.33	1.37
14	B	829	CL7	MG-NC	3.27	2.12	2.05
14	A	845	CL7	CHD-C1D	3.27	1.46	1.39
14	B	823	CL7	CHD-C1D	3.27	1.46	1.39
14	B	823	CL7	OBD-CAD	3.27	1.28	1.22
14	A	817	CL7	C1A-CHA	3.27	1.51	1.38
14	A	817	CL7	CHB-C1B	3.26	1.46	1.39
14	A	821	CL7	C1B-NB	-3.26	1.33	1.37
14	B	827	CL7	CHD-C1D	3.26	1.46	1.39
14	I	101	CL7	C1D-ND	-3.25	1.33	1.37
14	L	204	CL7	C1D-ND	-3.25	1.33	1.37
14	A	844	CL7	C1B-NB	-3.25	1.33	1.37
14	B	803	CL7	MG-NC	3.25	2.12	2.05
14	A	826	CL7	C1D-ND	-3.24	1.33	1.37
14	B	811	CL7	C1B-NB	-3.24	1.33	1.37
14	A	843	CL7	C1D-ND	-3.24	1.33	1.37
14	B	826	CL7	C1D-ND	-3.24	1.33	1.37
14	B	837	CL7	CHD-C1D	3.23	1.46	1.39
14	B	817	CL7	CHD-C1D	3.23	1.46	1.39
14	B	818	CL7	CHD-C1D	3.23	1.46	1.39
14	B	835	CL7	C1D-C2D	3.23	1.50	1.43
14	A	844	CL7	C1C-NC	-3.23	1.33	1.37
14	A	822	CL7	OBD-CAD	3.23	1.28	1.22
14	L	205	CL7	C1B-NB	-3.23	1.33	1.37
14	B	817	CL7	C1D-ND	-3.23	1.33	1.37
14	B	818	CL7	OBD-CAD	3.22	1.28	1.22
18	B	848	WVN	C02-C11	3.22	1.55	1.50
14	B	815	CL7	CHD-C1D	3.22	1.46	1.39
14	A	807	CL7	C1B-C2B	3.22	1.50	1.43
18	A	851	WVN	C02-C11	3.22	1.55	1.50
14	B	808	CL7	C1C-NC	-3.21	1.33	1.37
14	A	806	CL7	C1C-NC	-3.21	1.33	1.37
14	B	819	CL7	C1C-NC	-3.21	1.33	1.37
14	B	802	CL7	C1B-NB	-3.21	1.33	1.37
14	A	845	CL7	C1C-NC	-3.21	1.33	1.37
13	A	854	PHO	C4D-CHA	3.21	1.44	1.39
14	B	826	CL7	OBD-CAD	3.21	1.28	1.22
14	A	807	CL7	CHD-C1D	3.21	1.46	1.39
14	B	819	CL7	C1D-ND	-3.21	1.33	1.37
14	F	202	CL7	C1D-ND	-3.21	1.33	1.37
14	L	207	CL7	CHD-C1D	3.21	1.46	1.39
14	A	848	CL7	CHD-C1D	3.21	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	803	CL7	CHD-C1D	3.20	1.46	1.39
14	B	837	CL7	C1A-CHA	3.20	1.51	1.38
14	B	844	CL7	CHD-C1D	3.20	1.46	1.39
14	A	828	CL7	OBD-CAD	3.20	1.28	1.22
14	B	805	CL7	OBD-CAD	3.20	1.28	1.22
14	B	824	CL7	CHD-C1D	3.20	1.46	1.39
14	B	814	CL7	MG-ND	-3.20	1.99	2.05
14	A	846	CL7	C1C-NC	-3.19	1.33	1.37
14	B	818	CL7	C4B-NB	-3.19	1.33	1.37
14	A	808	CL7	OBD-CAD	3.19	1.28	1.22
14	B	838	CL7	C1A-CHA	3.19	1.51	1.38
14	B	831	CL7	CHD-C1D	3.19	1.46	1.39
14	A	839	CL7	OBD-CAD	3.19	1.28	1.22
14	A	840	CL7	MG-NC	3.19	2.12	2.05
14	B	817	CL7	C1C-NC	-3.18	1.33	1.37
14	A	822	CL7	C1D-ND	-3.18	1.33	1.37
14	A	840	CL7	C1D-ND	-3.18	1.33	1.37
14	B	808	CL7	C1D-ND	-3.18	1.33	1.37
14	A	819	CL7	C1D-ND	-3.17	1.33	1.37
14	B	822	CL7	MG-ND	-3.17	1.99	2.05
14	B	812	CL7	OBD-CAD	3.17	1.27	1.22
14	B	819	CL7	MG-ND	-3.17	1.99	2.05
14	A	828	CL7	C4C-NC	-3.17	1.33	1.37
14	A	827	CL7	C4B-NB	-3.17	1.33	1.37
14	B	837	CL7	C1C-NC	-3.17	1.33	1.37
14	A	836	CL7	C1A-CHA	3.17	1.51	1.38
14	A	834	CL7	OBD-CAD	3.17	1.27	1.22
14	A	832	CL7	C1A-CHA	3.16	1.51	1.38
14	B	814	CL7	CHD-C1D	3.16	1.46	1.39
14	L	205	CL7	CHB-C1B	3.16	1.46	1.39
14	A	819	CL7	C1B-NB	-3.16	1.33	1.37
14	B	814	CL7	C1D-ND	-3.16	1.33	1.37
14	B	807	CL7	CHC-C4B	3.16	1.46	1.39
14	A	816	CL7	MG-NC	3.15	2.12	2.05
14	I	101	CL7	CHD-C1D	3.15	1.46	1.39
14	A	845	CL7	C1A-CHA	3.15	1.51	1.38
14	B	845	CL7	CHD-C1D	3.15	1.46	1.39
14	B	836	CL7	C1C-NC	-3.15	1.33	1.37
12	A	801	G9R	C1C-NC	-3.15	1.32	1.37
14	B	823	CL7	C1C-NC	-3.15	1.33	1.37
14	A	827	CL7	CHD-C1D	3.14	1.46	1.39
14	A	827	CL7	C1C-NC	-3.14	1.33	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	839	CL7	C1B-NB	-3.13	1.33	1.37
14	A	836	CL7	C1D-ND	-3.13	1.33	1.37
14	B	808	CL7	CHD-C1D	3.13	1.46	1.39
14	B	831	CL7	C1C-NC	-3.13	1.33	1.37
14	A	818	CL7	OBD-CAD	3.13	1.27	1.22
14	A	838	CL7	C1B-NB	-3.13	1.33	1.37
14	A	808	CL7	C1D-ND	-3.13	1.33	1.37
14	A	822	CL7	C1C-NC	-3.13	1.33	1.37
14	B	818	CL7	C1B-NB	-3.12	1.33	1.37
14	B	826	CL7	CHD-C1D	3.12	1.46	1.39
14	B	834	CL7	C1D-C2D	3.11	1.50	1.43
14	B	804	CL7	MG-ND	-3.11	1.99	2.05
14	A	815	CL7	CHD-C1D	3.11	1.46	1.39
14	B	814	CL7	OBD-CAD	3.11	1.27	1.22
14	A	805	CL7	C1A-CHA	3.11	1.51	1.38
14	B	829	CL7	C1B-NB	-3.10	1.33	1.37
14	B	836	CL7	C1D-C2D	3.10	1.50	1.43
14	B	826	CL7	C4C-NC	-3.10	1.33	1.37
14	B	828	CL7	C1D-C2D	3.10	1.50	1.43
14	B	812	CL7	C1C-NC	-3.10	1.33	1.37
12	A	801	G9R	OBD-CAD	3.10	1.27	1.22
14	B	816	CL7	CHB-C1B	3.10	1.46	1.39
14	A	820	CL7	CHD-C1D	3.10	1.46	1.39
14	A	806	CL7	C1D-ND	-3.10	1.33	1.37
14	B	806	CL7	OBD-CAD	3.09	1.27	1.22
18	A	849	WVN	C02-C11	3.09	1.55	1.50
14	A	829	CL7	C1D-ND	-3.09	1.33	1.37
14	A	827	CL7	C1A-CHA	3.09	1.51	1.38
14	F	202	CL7	CHD-C1D	3.09	1.46	1.39
14	K	101	CL7	C1D-C2D	3.08	1.50	1.43
14	A	810	CL7	CHD-C1D	3.08	1.46	1.39
14	A	842	CL7	C1A-CHA	3.08	1.51	1.38
14	A	835	CL7	C1A-CHA	3.08	1.51	1.38
12	A	801	G9R	MG-ND	-3.08	1.99	2.05
14	A	855	CL7	C1A-CHA	3.08	1.51	1.38
14	B	803	CL7	OBD-CAD	3.08	1.27	1.22
14	B	819	CL7	CHD-C1D	3.08	1.46	1.39
14	A	823	CL7	CHD-C1D	3.08	1.46	1.39
14	A	816	CL7	C1D-ND	-3.08	1.33	1.37
14	B	836	CL7	C1B-NB	-3.07	1.33	1.37
14	A	846	CL7	C1B-NB	-3.07	1.33	1.37
14	A	838	CL7	C1D-C2D	3.07	1.50	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	848	CL7	C1A-CHA	3.07	1.51	1.38
14	B	805	CL7	C4C-NC	-3.07	1.33	1.37
18	L	201	WVN	C01-C02	-3.07	1.47	1.56
14	A	813	CL7	C1D-C2D	3.07	1.50	1.43
14	B	810	CL7	C1C-NC	-3.07	1.33	1.37
14	A	841	CL7	C1A-CHA	3.07	1.51	1.38
14	A	844	CL7	CHD-C1D	3.07	1.46	1.39
14	A	834	CL7	C1A-CHA	3.07	1.51	1.38
14	B	839	CL7	C1D-C2D	3.07	1.50	1.43
14	B	811	CL7	C1C-NC	-3.06	1.33	1.37
14	A	803	CL7	C1C-NC	-3.06	1.33	1.37
14	A	833	CL7	C1C-NC	-3.06	1.33	1.37
14	I	101	CL7	C1A-CHA	3.06	1.51	1.38
14	A	811	CL7	C1A-CHA	3.05	1.51	1.38
14	A	848	CL7	C1D-ND	-3.05	1.33	1.37
14	A	836	CL7	C1B-NB	-3.05	1.33	1.37
14	B	814	CL7	C1C-NC	-3.05	1.33	1.37
14	A	805	CL7	C1D-ND	-3.05	1.33	1.37
14	B	812	CL7	CHD-C1D	3.05	1.46	1.39
14	L	205	CL7	C4B-NB	-3.05	1.33	1.37
14	B	811	CL7	OBD-CAD	3.05	1.27	1.22
14	K	102	CL7	C1A-CHA	3.05	1.51	1.38
14	A	804	CL7	C1C-NC	-3.05	1.33	1.37
14	F	203	CL7	C1D-C2D	3.05	1.50	1.43
14	A	822	CL7	C1B-NB	-3.05	1.33	1.37
14	A	833	CL7	C1A-CHA	3.05	1.51	1.38
14	A	828	CL7	CHD-C1D	3.04	1.46	1.39
14	B	816	CL7	C4B-NB	-3.04	1.33	1.37
14	B	818	CL7	CHB-C1B	3.04	1.46	1.39
14	A	818	CL7	C4B-NB	-3.04	1.33	1.37
14	A	809	CL7	C1A-CHA	3.04	1.50	1.38
14	A	833	CL7	C1D-ND	-3.04	1.33	1.37
14	B	824	CL7	C1C-NC	-3.04	1.33	1.37
14	B	842	CL7	C1A-CHA	3.03	1.50	1.38
14	A	838	CL7	C1A-CHA	3.03	1.50	1.38
14	A	826	CL7	C1A-CHA	3.03	1.50	1.38
14	B	824	CL7	C1B-NB	-3.03	1.33	1.37
14	A	834	CL7	C1B-NB	-3.03	1.33	1.37
14	B	809	CL7	C1D-ND	-3.02	1.33	1.37
14	A	843	CL7	C1C-NC	-3.02	1.33	1.37
14	A	808	CL7	C1D-C2D	3.02	1.50	1.43
14	A	821	CL7	CHD-C1D	3.02	1.46	1.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	829	CL7	C1A-CHA	3.02	1.50	1.38
14	B	810	CL7	C1A-CHA	3.02	1.50	1.38
14	B	834	CL7	C1D-ND	-3.02	1.33	1.37
14	B	833	CL7	C1A-CHA	3.02	1.50	1.38
14	L	204	CL7	C1A-CHA	3.02	1.50	1.38
14	B	836	CL7	C1D-ND	-3.02	1.33	1.37
14	B	803	CL7	MG-ND	-3.02	1.99	2.05
14	B	803	CL7	C1B-C2B	3.02	1.50	1.43
14	B	811	CL7	CHD-C1D	3.01	1.46	1.39
14	A	809	CL7	C1D-C2D	3.01	1.50	1.43
14	B	828	CL7	C1A-CHA	3.01	1.50	1.38
14	A	810	CL7	C1D-C2D	3.01	1.50	1.43
14	B	805	CL7	CHD-C1D	3.01	1.46	1.39
14	F	203	CL7	C1A-CHA	3.01	1.50	1.38
14	A	831	CL7	C1A-CHA	3.01	1.50	1.38
14	A	805	CL7	C1D-C2D	3.00	1.50	1.43
14	A	814	CL7	C1C-NC	-3.00	1.33	1.37
14	B	806	CL7	C4C-NC	-3.00	1.33	1.37
14	B	809	CL7	C1A-CHA	3.00	1.50	1.38
14	B	842	CL7	C1D-C2D	3.00	1.50	1.43
14	A	823	CL7	OBD-CAD	3.00	1.27	1.22
14	B	812	CL7	C1D-ND	-3.00	1.33	1.37
14	A	803	CL7	OBD-CAD	3.00	1.27	1.22
14	L	204	CL7	C1B-NB	-3.00	1.33	1.37
14	B	815	CL7	C1A-CHA	3.00	1.50	1.38
14	A	813	CL7	C1C-NC	-3.00	1.33	1.37
14	B	804	CL7	C1A-CHA	3.00	1.50	1.38
14	A	817	CL7	OBD-CAD	2.99	1.27	1.22
14	B	818	CL7	MG-ND	-2.99	1.99	2.05
14	A	821	CL7	C4C-NC	-2.99	1.33	1.37
14	A	814	CL7	C1D-C2D	2.99	1.50	1.43
14	F	202	CL7	C1D-C2D	2.99	1.50	1.43
14	A	819	CL7	C4C-NC	-2.99	1.33	1.37
14	B	823	CL7	C1B-NB	-2.99	1.33	1.37
14	A	819	CL7	C1D-C2D	2.99	1.50	1.43
14	A	845	CL7	C1B-NB	-2.99	1.33	1.37
14	B	822	CL7	C1B-NB	-2.99	1.33	1.37
14	B	812	CL7	C1A-CHA	2.99	1.50	1.38
14	A	812	CL7	C1D-ND	-2.99	1.33	1.37
14	A	844	CL7	MG-ND	-2.99	1.99	2.05
14	A	835	CL7	C1D-C2D	2.99	1.50	1.43
14	F	201	CL7	C1B-C2B	2.99	1.50	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	842	CL7	OBD-CAD	2.98	1.27	1.22
14	B	813	CL7	C4B-NB	-2.98	1.33	1.37
14	B	802	CL7	MG-ND	-2.98	1.99	2.05
18	B	850	WVN	C02-C11	2.98	1.54	1.50
14	B	821	CL7	C1A-CHA	2.98	1.50	1.38
14	A	838	CL7	C1D-ND	-2.98	1.34	1.37
14	B	816	CL7	C1C-NC	-2.97	1.34	1.37
14	B	828	CL7	C1D-ND	-2.97	1.34	1.37
14	A	806	CL7	C1A-CHA	2.97	1.50	1.38
14	A	820	CL7	C1A-CHA	2.97	1.50	1.38
14	A	828	CL7	C1A-CHA	2.97	1.50	1.38
14	B	830	CL7	CHD-C1D	2.97	1.46	1.39
14	B	827	CL7	C1D-ND	-2.97	1.34	1.37
14	F	201	CL7	C1A-CHA	2.97	1.50	1.38
14	B	802	CL7	C1A-CHA	2.96	1.50	1.38
14	B	839	CL7	C1C-NC	-2.96	1.34	1.37
14	A	813	CL7	C1D-ND	-2.96	1.34	1.37
14	A	807	CL7	C4C-NC	-2.96	1.34	1.37
14	A	806	CL7	OBD-CAD	2.96	1.27	1.22
14	A	841	CL7	C1D-C2D	2.96	1.50	1.43
14	A	842	CL7	CHD-C1D	2.95	1.46	1.39
14	B	815	CL7	C1C-NC	-2.95	1.34	1.37
14	B	822	CL7	CHD-C1D	2.95	1.46	1.39
14	F	201	CL7	C1D-ND	-2.95	1.34	1.37
14	L	204	CL7	C1C-NC	-2.95	1.34	1.37
14	A	807	CL7	C1D-ND	-2.95	1.34	1.37
14	K	102	CL7	C1D-ND	-2.95	1.34	1.37
14	A	804	CL7	C1D-C2D	2.95	1.50	1.43
14	B	823	CL7	C4B-NB	-2.95	1.34	1.37
14	A	812	CL7	C1A-CHA	2.95	1.50	1.38
14	A	818	CL7	C1A-CHA	2.95	1.50	1.38
14	B	821	CL7	OBD-CAD	2.95	1.27	1.22
14	A	836	CL7	MG-ND	-2.95	1.99	2.05
14	B	839	CL7	C1A-CHA	2.95	1.50	1.38
14	A	846	CL7	C4B-NB	-2.95	1.34	1.37
14	A	831	CL7	C1D-C2D	2.95	1.50	1.43
14	A	838	CL7	C1C-NC	-2.94	1.34	1.37
14	B	805	CL7	C1A-CHA	2.94	1.50	1.38
14	A	835	CL7	C1C-NC	-2.94	1.34	1.37
14	A	832	CL7	C1D-C2D	2.94	1.50	1.43
14	A	810	CL7	C1C-NC	-2.94	1.34	1.37
14	A	812	CL7	C1D-C2D	2.94	1.50	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	844	CL7	OBD-CAD	2.94	1.27	1.22
14	B	814	CL7	C1A-CHA	2.93	1.50	1.38
14	A	803	CL7	C4C-NC	-2.93	1.34	1.37
14	F	203	CL7	C1B-NB	-2.93	1.34	1.37
14	A	808	CL7	C1A-CHA	2.93	1.50	1.38
14	B	835	CL7	C1A-CHA	2.93	1.50	1.38
14	A	855	CL7	C1B-NB	-2.93	1.34	1.37
14	A	816	CL7	CHD-C1D	2.93	1.46	1.39
14	A	810	CL7	C1A-CHA	2.93	1.50	1.38
14	B	806	CL7	C1B-NB	-2.93	1.34	1.37
14	A	835	CL7	C1B-NB	-2.92	1.34	1.37
14	B	809	CL7	C4C-NC	-2.92	1.34	1.37
14	A	833	CL7	C1D-C2D	2.92	1.50	1.43
14	B	838	CL7	C1D-C2D	2.92	1.50	1.43
14	B	809	CL7	C1B-NB	-2.92	1.34	1.37
14	B	808	CL7	MG-ND	-2.92	2.00	2.05
14	K	101	CL7	C1A-CHA	2.92	1.50	1.38
14	A	807	CL7	C1A-CHA	2.92	1.50	1.38
14	B	830	CL7	OBD-CAD	2.92	1.27	1.22
14	A	843	CL7	C1A-CHA	2.92	1.50	1.38
14	A	821	CL7	OBD-CAD	2.92	1.27	1.22
14	A	834	CL7	C4B-NB	-2.92	1.34	1.37
18	L	209	WVN	C02-C11	2.92	1.54	1.50
14	B	823	CL7	C1D-ND	-2.92	1.34	1.37
14	A	822	CL7	C1A-CHA	2.91	1.50	1.38
14	B	805	CL7	C1B-C2B	2.91	1.50	1.43
14	A	848	CL7	C1C-NC	-2.91	1.34	1.37
14	A	822	CL7	CHD-C1D	2.91	1.46	1.39
14	B	816	CL7	C1A-CHA	2.91	1.50	1.38
14	A	829	CL7	C1C-NC	-2.91	1.34	1.37
14	B	807	CL7	C4C-NC	-2.91	1.34	1.37
14	L	207	CL7	C1B-C2B	2.91	1.50	1.43
14	B	802	CL7	OBD-CAD	2.91	1.27	1.22
14	B	822	CL7	C1A-CHA	2.91	1.50	1.38
14	B	816	CL7	C1D-C2D	2.91	1.50	1.43
14	A	812	CL7	C1B-NB	-2.91	1.34	1.37
14	B	843	CL7	C4B-NB	-2.91	1.34	1.37
14	B	845	CL7	C1A-CHA	2.90	1.50	1.38
14	K	102	CL7	C1D-C2D	2.90	1.49	1.43
14	L	207	CL7	OBD-CAD	2.90	1.27	1.22
14	B	821	CL7	C4C-NC	-2.90	1.34	1.37
14	B	827	CL7	OBD-CAD	2.90	1.27	1.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	L	205	CL7	C4C-NC	-2.90	1.34	1.37
14	B	804	CL7	CHD-C1D	2.90	1.45	1.39
14	A	844	CL7	C1A-CHA	2.90	1.50	1.38
14	B	824	CL7	C1D-C2D	2.90	1.49	1.43
14	L	207	CL7	C1D-C2D	2.90	1.49	1.43
14	A	804	CL7	C1A-CHA	2.90	1.50	1.38
14	A	808	CL7	C1C-NC	-2.90	1.34	1.37
14	B	810	CL7	C1D-C2D	2.89	1.49	1.43
14	A	832	CL7	C1C-NC	-2.89	1.34	1.37
14	B	824	CL7	C1D-ND	-2.89	1.34	1.37
14	A	809	CL7	C1C-NC	-2.89	1.34	1.37
14	B	837	CL7	C1D-ND	-2.89	1.34	1.37
14	L	204	CL7	CHD-C1D	2.89	1.45	1.39
14	B	831	CL7	C1D-C2D	2.89	1.49	1.43
14	B	805	CL7	MG-ND	-2.88	2.00	2.05
14	A	855	CL7	C1D-ND	-2.88	1.34	1.37
14	B	813	CL7	CHD-C1D	2.88	1.45	1.39
14	B	807	CL7	C1A-CHA	2.88	1.50	1.38
14	B	817	CL7	C1A-CHA	2.88	1.50	1.38
14	A	815	CL7	MG-ND	-2.88	2.00	2.05
14	A	846	CL7	C1B-C2B	2.88	1.49	1.43
14	B	842	CL7	C1D-ND	-2.88	1.34	1.37
14	B	817	CL7	C1D-C2D	2.88	1.49	1.43
14	A	823	CL7	C1D-ND	-2.88	1.34	1.37
14	A	840	CL7	C1B-NB	-2.88	1.34	1.37
14	B	836	CL7	C4B-NB	-2.88	1.34	1.37
14	B	806	CL7	C1A-CHA	2.88	1.50	1.38
14	B	842	CL7	C1B-C2B	2.88	1.49	1.43
14	B	805	CL7	C1B-NB	-2.88	1.34	1.37
14	B	817	CL7	C1B-NB	-2.88	1.34	1.37
14	B	837	CL7	C1B-C2B	2.88	1.49	1.43
14	B	822	CL7	OBD-CAD	2.87	1.27	1.22
14	B	802	CL7	C4C-NC	-2.87	1.34	1.37
14	A	822	CL7	C4C-NC	-2.87	1.34	1.37
14	A	826	CL7	C1D-C2D	2.87	1.49	1.43
14	A	811	CL7	C1C-NC	-2.87	1.34	1.37
14	B	842	CL7	C1C-NC	-2.87	1.34	1.37
14	B	834	CL7	C1A-CHA	2.87	1.50	1.38
14	A	818	CL7	C4C-NC	-2.87	1.34	1.37
14	B	823	CL7	C1D-C2D	2.87	1.49	1.43
14	B	813	CL7	MG-ND	-2.87	2.00	2.05
14	B	812	CL7	MG-ND	-2.87	2.00	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	845	CL7	C1D-C2D	2.87	1.49	1.43
14	A	831	CL7	C1C-NC	-2.87	1.34	1.37
14	B	809	CL7	C4B-NB	-2.87	1.34	1.37
14	B	821	CL7	C4B-NB	-2.87	1.34	1.37
14	B	839	CL7	C1D-ND	-2.87	1.34	1.37
14	F	202	CL7	C1A-CHA	2.86	1.50	1.38
14	B	843	CL7	CHD-C1D	2.86	1.45	1.39
14	A	806	CL7	C1D-C2D	2.86	1.49	1.43
12	A	801	G9R	C3D-C2D	2.86	1.46	1.39
14	A	820	CL7	MG-ND	-2.86	2.00	2.05
14	B	827	CL7	C4B-NB	-2.86	1.34	1.37
14	L	207	CL7	C1A-CHA	2.86	1.50	1.38
14	B	826	CL7	C1A-CHA	2.86	1.50	1.38
14	F	203	CL7	C1C-NC	-2.85	1.34	1.37
14	B	821	CL7	CHD-C1D	2.85	1.45	1.39
14	A	820	CL7	C4C-NC	-2.85	1.34	1.37
14	A	815	CL7	C1A-CHA	2.85	1.50	1.38
14	B	833	CL7	C1C-NC	-2.85	1.34	1.37
14	B	826	CL7	C1B-NB	-2.85	1.34	1.37
14	B	835	CL7	C1C-NC	-2.85	1.34	1.37
14	B	815	CL7	MG-ND	-2.85	2.00	2.05
14	A	810	CL7	C1B-C2B	2.85	1.49	1.43
14	A	818	CL7	MG-ND	-2.84	2.00	2.05
14	A	818	CL7	CHD-C1D	2.84	1.45	1.39
14	A	840	CL7	C1A-CHA	2.84	1.50	1.38
14	B	803	CL7	C4C-NC	-2.84	1.34	1.37
14	B	808	CL7	C4B-NB	-2.84	1.34	1.37
14	A	840	CL7	MG-ND	-2.84	2.00	2.05
14	A	826	CL7	C1B-C2B	2.84	1.49	1.43
14	B	840	CL7	OBD-CAD	2.83	1.27	1.22
14	A	845	CL7	C1D-ND	-2.83	1.34	1.37
14	L	207	CL7	C4C-NC	-2.83	1.34	1.37
14	K	102	CL7	MG-ND	-2.83	2.00	2.05
14	A	803	CL7	C1A-CHA	2.83	1.50	1.38
14	A	822	CL7	C1D-C2D	2.83	1.49	1.43
14	A	814	CL7	C1A-CHA	2.83	1.50	1.38
14	F	203	CL7	C1D-ND	-2.83	1.34	1.37
14	A	823	CL7	C1B-NB	-2.82	1.34	1.37
14	A	840	CL7	CHD-C1D	2.82	1.45	1.39
14	B	833	CL7	C1D-C2D	2.82	1.49	1.43
14	B	831	CL7	OBD-CAD	2.82	1.27	1.22
14	A	827	CL7	C1D-C2D	2.82	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	814	CL7	C1D-ND	-2.82	1.34	1.37
14	B	845	CL7	C1D-ND	-2.82	1.34	1.37
14	B	819	CL7	OBD-CAD	2.82	1.27	1.22
14	B	827	CL7	MG-ND	-2.82	2.00	2.05
14	B	810	CL7	C1D-ND	-2.82	1.34	1.37
14	B	830	CL7	MG-ND	-2.81	2.00	2.05
14	A	841	CL7	C1B-NB	-2.81	1.34	1.37
14	B	833	CL7	C1D-ND	-2.81	1.34	1.37
14	B	805	CL7	C4B-NB	-2.81	1.34	1.37
14	A	805	CL7	MG-ND	-2.81	2.00	2.05
14	B	838	CL7	C1C-NC	-2.81	1.34	1.37
14	A	819	CL7	C1A-CHA	2.81	1.49	1.38
14	A	855	CL7	C1D-C2D	2.81	1.49	1.43
14	B	821	CL7	MG-ND	-2.81	2.00	2.05
14	B	812	CL7	C1B-NB	-2.81	1.34	1.37
14	B	843	CL7	C1A-CHA	2.81	1.49	1.38
14	B	824	CL7	C1A-CHA	2.80	1.49	1.38
14	A	832	CL7	C1D-ND	-2.80	1.34	1.37
14	A	846	CL7	CHD-C1D	2.80	1.45	1.39
14	A	809	CL7	C1B-C2B	2.80	1.49	1.43
14	B	838	CL7	C1B-NB	-2.80	1.34	1.37
14	B	813	CL7	C1B-NB	-2.80	1.34	1.37
14	A	813	CL7	C1A-CHA	2.80	1.49	1.38
14	B	835	CL7	C1D-ND	-2.80	1.34	1.37
14	I	101	CL7	C1B-NB	-2.80	1.34	1.37
14	B	830	CL7	C1D-C2D	2.80	1.49	1.43
14	A	846	CL7	C4C-NC	-2.80	1.34	1.37
14	B	814	CL7	C4C-NC	-2.80	1.34	1.37
14	B	823	CL7	C1A-CHA	2.80	1.49	1.38
14	B	818	CL7	C1B-C2B	2.80	1.49	1.43
14	A	831	CL7	C1B-C2B	2.79	1.49	1.43
14	A	815	CL7	C4C-NC	-2.79	1.34	1.37
14	A	823	CL7	C1A-CHA	2.79	1.49	1.38
14	B	844	CL7	C1A-CHA	2.79	1.49	1.38
14	A	822	CL7	C4B-NB	-2.79	1.34	1.37
14	B	840	CL7	C1A-CHA	2.79	1.49	1.38
14	A	811	CL7	C1D-ND	-2.79	1.34	1.37
14	A	834	CL7	C1D-C2D	2.79	1.49	1.43
14	B	819	CL7	C1A-CHA	2.79	1.49	1.38
14	A	810	CL7	C4C-NC	-2.79	1.34	1.37
14	L	207	CL7	C1C-NC	-2.79	1.34	1.37
14	A	822	CL7	C1B-C2B	2.79	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	818	CL7	C4C-NC	-2.78	1.34	1.37
14	A	806	CL7	MG-ND	-2.78	2.00	2.05
14	B	844	CL7	C1D-C2D	2.78	1.49	1.43
14	B	834	CL7	C1C-NC	-2.78	1.34	1.37
14	F	202	CL7	C1C-NC	-2.78	1.34	1.37
14	A	821	CL7	C1A-CHA	2.78	1.49	1.38
14	L	205	CL7	C1A-CHA	2.78	1.49	1.38
14	B	843	CL7	MG-ND	-2.78	2.00	2.05
14	B	803	CL7	C1A-CHA	2.78	1.49	1.38
14	A	820	CL7	C1C-NC	-2.78	1.34	1.37
14	F	201	CL7	C1D-C2D	2.78	1.49	1.43
14	F	202	CL7	C1B-NB	-2.78	1.34	1.37
14	A	807	CL7	C1D-C2D	2.78	1.49	1.43
14	B	830	CL7	C1B-C2B	2.78	1.49	1.43
14	B	816	CL7	C1B-NB	-2.78	1.34	1.37
14	B	827	CL7	C1B-NB	-2.78	1.34	1.37
14	A	811	CL7	C1D-C2D	2.77	1.49	1.43
14	A	841	CL7	C1D-ND	-2.77	1.34	1.37
14	A	843	CL7	C1D-C2D	2.77	1.49	1.43
12	A	801	G9R	MG-NC	2.77	2.12	2.06
14	A	817	CL7	MG-ND	-2.77	2.00	2.05
14	A	842	CL7	C4B-NB	-2.77	1.34	1.37
14	A	806	CL7	C1B-NB	-2.77	1.34	1.37
14	B	837	CL7	C1B-NB	-2.77	1.34	1.37
14	B	813	CL7	C4C-NC	-2.77	1.34	1.37
14	B	844	CL7	C4C-NC	-2.77	1.34	1.37
14	I	101	CL7	MG-ND	-2.77	2.00	2.05
14	K	102	CL7	C1C-NC	-2.77	1.34	1.37
14	A	839	CL7	MG-ND	-2.76	2.00	2.05
14	A	828	CL7	C1D-C2D	2.76	1.49	1.43
14	B	804	CL7	C4C-NC	-2.76	1.34	1.37
14	B	845	CL7	OBD-CAD	2.76	1.27	1.22
14	B	809	CL7	C1D-C2D	2.76	1.49	1.43
14	A	835	CL7	C1D-ND	-2.76	1.34	1.37
14	A	833	CL7	C1B-C2B	2.76	1.49	1.43
14	B	837	CL7	C1D-C2D	2.76	1.49	1.43
14	B	827	CL7	C1A-CHA	2.76	1.49	1.38
14	A	812	CL7	C1B-C2B	2.76	1.49	1.43
14	K	101	CL7	C1B-C2B	2.76	1.49	1.43
14	A	814	CL7	C1B-NB	-2.76	1.34	1.37
14	A	820	CL7	C1B-C2B	2.76	1.49	1.43
14	B	808	CL7	C1A-CHA	2.76	1.49	1.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	829	CL7	MG-ND	-2.76	2.00	2.05
14	A	829	CL7	MG-ND	-2.76	2.00	2.05
14	A	844	CL7	C4B-NB	-2.75	1.34	1.37
14	L	205	CL7	OBD-CAD	2.75	1.27	1.22
14	B	823	CL7	C1B-C2B	2.75	1.49	1.43
14	A	834	CL7	C1B-C2B	2.75	1.49	1.43
14	A	803	CL7	C4B-NB	-2.75	1.34	1.37
14	B	827	CL7	C1B-C2B	2.75	1.49	1.43
14	B	831	CL7	C1B-NB	-2.75	1.34	1.37
14	A	808	CL7	MG-ND	-2.75	2.00	2.05
14	A	817	CL7	CHD-C1D	2.75	1.45	1.39
14	B	818	CL7	C1A-CHA	2.75	1.49	1.38
14	F	201	CL7	C1C-NC	-2.75	1.34	1.37
14	B	810	CL7	C1B-NB	-2.75	1.34	1.37
14	B	835	CL7	MG-ND	-2.74	2.00	2.05
14	A	829	CL7	C1D-C2D	2.74	1.49	1.43
14	B	840	CL7	C1D-C2D	2.74	1.49	1.43
14	A	809	CL7	C1D-ND	-2.74	1.34	1.37
14	K	102	CL7	C1B-C2B	2.74	1.49	1.43
14	B	833	CL7	C1B-C2B	2.74	1.49	1.43
14	B	838	CL7	C1B-C2B	2.74	1.49	1.43
14	A	841	CL7	MG-ND	-2.74	2.00	2.05
14	B	839	CL7	C1B-C2B	2.74	1.49	1.43
14	A	808	CL7	C1B-NB	-2.74	1.34	1.37
14	A	803	CL7	C1D-C2D	2.74	1.49	1.43
14	A	831	CL7	C1D-ND	-2.74	1.34	1.37
14	A	819	CL7	CHB-C1B	2.74	1.45	1.39
14	A	839	CL7	CHD-C1D	2.73	1.45	1.39
14	B	831	CL7	C1A-CHA	2.73	1.49	1.38
14	B	811	CL7	C1A-CHA	2.73	1.49	1.38
14	A	811	CL7	C1B-NB	-2.73	1.34	1.37
12	A	801	G9R	C4D-CHA	2.73	1.47	1.38
14	A	826	CL7	C4C-NC	-2.73	1.34	1.37
14	A	828	CL7	MG-ND	-2.73	2.00	2.05
14	A	843	CL7	C1B-NB	-2.73	1.34	1.37
14	A	848	CL7	C1B-C2B	2.73	1.49	1.43
14	B	811	CL7	C1D-C2D	2.73	1.49	1.43
14	A	820	CL7	OBD-CAD	2.72	1.27	1.22
14	A	807	CL7	C4B-NB	-2.72	1.34	1.37
14	A	821	CL7	C1D-C2D	2.72	1.49	1.43
14	B	845	CL7	MG-ND	-2.72	2.00	2.05
14	L	207	CL7	C1D-ND	-2.72	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	831	CL7	C1B-NB	-2.72	1.34	1.37
14	B	815	CL7	C1B-C2B	2.72	1.49	1.43
14	A	826	CL7	C1B-NB	-2.71	1.34	1.37
14	B	802	CL7	C4B-NB	-2.71	1.34	1.37
14	A	811	CL7	C1B-C2B	2.71	1.49	1.43
14	B	828	CL7	C1B-NB	-2.71	1.34	1.37
14	A	805	CL7	C1B-C2B	2.71	1.49	1.43
14	B	821	CL7	C1B-C2B	2.71	1.49	1.43
14	A	848	CL7	C1B-NB	-2.71	1.34	1.37
14	A	832	CL7	C1B-NB	-2.71	1.34	1.37
14	B	804	CL7	C4B-NB	-2.71	1.34	1.37
14	A	836	CL7	C1B-C2B	2.70	1.49	1.43
14	F	203	CL7	C1B-C2B	2.70	1.49	1.43
14	B	819	CL7	C4C-NC	-2.70	1.34	1.37
14	A	832	CL7	C1B-C2B	2.70	1.49	1.43
14	B	802	CL7	CHD-C1D	2.70	1.45	1.39
14	A	817	CL7	C1D-C2D	2.70	1.49	1.43
14	B	819	CL7	C1D-C2D	2.70	1.49	1.43
14	B	834	CL7	C1B-C2B	2.70	1.49	1.43
14	B	811	CL7	MG-ND	-2.70	2.00	2.05
14	A	814	CL7	C1B-C2B	2.70	1.49	1.43
14	A	829	CL7	C1B-C2B	2.70	1.49	1.43
14	L	205	CL7	MG-ND	-2.69	2.00	2.05
14	A	808	CL7	C1B-C2B	2.69	1.49	1.43
14	A	815	CL7	OBD-CAD	2.69	1.27	1.22
14	A	822	CL7	MG-ND	-2.69	2.00	2.05
14	B	835	CL7	C1B-C2B	2.69	1.49	1.43
14	B	828	CL7	MG-ND	-2.69	2.00	2.05
14	B	838	CL7	C1D-ND	-2.69	1.34	1.37
14	B	807	CL7	C4B-NB	-2.69	1.34	1.37
14	K	101	CL7	C1D-ND	-2.69	1.34	1.37
14	A	839	CL7	C1A-CHA	2.68	1.49	1.38
14	L	204	CL7	MG-ND	-2.68	2.00	2.05
14	A	833	CL7	C1B-NB	-2.68	1.34	1.37
14	A	812	CL7	C4B-NB	-2.68	1.34	1.37
14	A	827	CL7	C4C-NC	-2.68	1.34	1.37
14	A	848	CL7	C1D-C2D	2.68	1.49	1.43
14	A	819	CL7	MG-ND	-2.68	2.00	2.05
14	A	809	CL7	C1B-NB	-2.67	1.34	1.37
14	A	810	CL7	C1B-NB	-2.67	1.34	1.37
14	A	846	CL7	C1A-CHA	2.67	1.49	1.38
14	L	207	CL7	C1B-NB	-2.67	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	808	CL7	C4C-NC	-2.67	1.34	1.37
18	L	202	WVN	C02-C11	2.67	1.54	1.50
14	B	812	CL7	C1B-C2B	2.66	1.49	1.43
14	A	827	CL7	MG-ND	-2.66	2.00	2.05
14	B	840	CL7	C4B-NB	-2.66	1.34	1.37
14	A	823	CL7	C1D-C2D	2.66	1.49	1.43
14	A	807	CL7	C1B-NB	-2.66	1.34	1.37
14	B	813	CL7	C1A-CHA	2.66	1.49	1.38
14	L	204	CL7	C4B-NB	-2.66	1.34	1.37
14	A	804	CL7	C1B-C2B	2.66	1.49	1.43
14	B	826	CL7	MG-ND	-2.66	2.00	2.05
14	B	806	CL7	C1B-C2B	2.65	1.49	1.43
14	B	827	CL7	C1D-C2D	2.65	1.49	1.43
14	L	204	CL7	C1B-C2B	2.65	1.49	1.43
14	B	808	CL7	C1D-C2D	2.65	1.49	1.43
14	B	815	CL7	C1B-NB	-2.65	1.34	1.37
14	F	201	CL7	MG-ND	-2.65	2.00	2.05
14	A	816	CL7	MG-ND	-2.64	2.00	2.05
14	B	813	CL7	OBD-CAD	2.64	1.27	1.22
14	B	807	CL7	CHD-C1D	2.64	1.45	1.39
14	B	810	CL7	C4C-NC	-2.64	1.34	1.37
14	B	813	CL7	C1B-C2B	2.64	1.49	1.43
14	A	834	CL7	MG-ND	-2.64	2.00	2.05
14	B	822	CL7	C1D-C2D	2.64	1.49	1.43
14	A	811	CL7	MG-ND	-2.64	2.00	2.05
14	I	101	CL7	C1B-C2B	2.64	1.49	1.43
14	B	804	CL7	OBD-CAD	2.63	1.27	1.22
14	A	818	CL7	C1D-C2D	2.63	1.49	1.43
14	B	817	CL7	C1B-C2B	2.63	1.49	1.43
14	B	845	CL7	C1D-C2D	2.63	1.49	1.43
14	B	828	CL7	C1B-C2B	2.63	1.49	1.43
14	B	836	CL7	C1A-CHA	2.62	1.49	1.38
14	B	814	CL7	C1D-C2D	2.62	1.49	1.43
14	A	816	CL7	C1A-CHA	2.62	1.49	1.38
14	B	839	CL7	C1B-NB	-2.62	1.34	1.37
14	B	824	CL7	OBD-CAD	2.62	1.27	1.22
14	B	826	CL7	C1B-C2B	2.62	1.49	1.43
14	B	808	CL7	C1B-C2B	2.61	1.49	1.43
13	A	802	PHO	C3A-C2A	-2.61	1.52	1.54
14	B	835	CL7	C1B-NB	-2.61	1.34	1.37
14	A	843	CL7	MG-ND	-2.61	2.00	2.05
14	B	822	CL7	C1B-C2B	2.61	1.49	1.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	834	CL7	MG-ND	-2.61	2.00	2.05
14	B	829	CL7	C1A-CHA	2.61	1.49	1.38
14	A	823	CL7	MG-ND	-2.61	2.00	2.05
14	A	846	CL7	MG-ND	-2.61	2.00	2.05
14	A	820	CL7	C4B-NB	-2.61	1.34	1.37
14	B	803	CL7	C4B-NB	-2.61	1.34	1.37
14	B	815	CL7	C1D-C2D	2.60	1.49	1.43
14	B	844	CL7	MG-ND	-2.60	2.00	2.05
14	A	844	CL7	C4C-NC	-2.60	1.34	1.37
14	A	821	CL7	MG-ND	-2.60	2.00	2.05
14	K	102	CL7	C1B-NB	-2.60	1.34	1.37
14	B	829	CL7	OBD-CAD	2.59	1.27	1.22
14	K	101	CL7	C1C-NC	-2.59	1.34	1.37
14	A	842	CL7	C1B-C2B	2.59	1.49	1.43
14	B	837	CL7	MG-ND	-2.59	2.00	2.05
14	A	817	CL7	C1B-NB	-2.59	1.34	1.37
14	F	201	CL7	C1B-NB	-2.59	1.34	1.37
14	B	831	CL7	C1D-ND	-2.59	1.34	1.37
14	A	833	CL7	MG-ND	-2.58	2.00	2.05
14	B	843	CL7	C4C-NC	-2.58	1.34	1.37
14	B	842	CL7	C1B-NB	-2.58	1.34	1.37
14	A	829	CL7	C1B-NB	-2.58	1.34	1.37
14	A	841	CL7	C1B-C2B	2.58	1.49	1.43
14	B	843	CL7	C1B-C2B	2.58	1.49	1.43
14	B	809	CL7	MG-ND	-2.57	2.00	2.05
14	A	816	CL7	C4C-NC	-2.57	1.34	1.37
14	A	805	CL7	C1C-NC	-2.57	1.34	1.37
14	B	842	CL7	MG-ND	-2.57	2.00	2.05
14	B	829	CL7	C1B-C2B	2.57	1.49	1.43
14	B	833	CL7	MG-ND	-2.57	2.00	2.05
14	L	205	CL7	C1D-C2D	2.57	1.49	1.43
14	B	810	CL7	C1B-C2B	2.56	1.49	1.43
14	A	815	CL7	C4B-NB	-2.56	1.34	1.37
14	B	831	CL7	C4B-NB	-2.56	1.34	1.37
14	A	855	CL7	C1B-C2B	2.56	1.49	1.43
14	A	843	CL7	C4C-NC	-2.56	1.34	1.37
14	B	807	CL7	MG-ND	-2.56	2.00	2.05
14	B	819	CL7	C1B-C2B	2.56	1.49	1.43
14	F	203	CL7	MG-ND	-2.56	2.00	2.05
14	B	844	CL7	C1B-C2B	2.56	1.49	1.43
14	A	846	CL7	C1D-C2D	2.56	1.49	1.43
14	A	813	CL7	MG-ND	-2.56	2.00	2.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
12	A	801	G9R	C1B-C2B	2.56	1.49	1.43
14	B	833	CL7	C1B-NB	-2.55	1.34	1.37
14	A	834	CL7	C4C-NC	-2.55	1.34	1.37
14	B	823	CL7	MG-ND	-2.55	2.00	2.05
14	I	101	CL7	C1D-C2D	2.55	1.49	1.43
14	B	806	CL7	MG-ND	-2.54	2.00	2.05
14	B	806	CL7	C4B-NB	-2.54	1.34	1.37
14	A	835	CL7	MG-ND	-2.54	2.00	2.05
14	A	841	CL7	C4C-C3C	2.54	1.49	1.45
14	A	805	CL7	C1B-NB	-2.54	1.34	1.37
14	B	808	CL7	OBD-CAD	2.54	1.26	1.22
14	L	207	CL7	C4B-NB	-2.54	1.34	1.37
14	A	804	CL7	C1B-NB	-2.53	1.34	1.37
14	K	101	CL7	C1B-NB	-2.53	1.34	1.37
14	A	815	CL7	C1B-C2B	2.53	1.49	1.43
14	B	809	CL7	C1B-C2B	2.53	1.49	1.43
14	A	839	CL7	C4C-NC	-2.53	1.34	1.37
14	B	803	CL7	CHD-C1D	2.53	1.45	1.39
14	A	848	CL7	MG-ND	-2.53	2.00	2.05
14	A	814	CL7	MG-ND	-2.53	2.00	2.05
14	B	819	CL7	C1B-NB	-2.53	1.34	1.37
14	L	205	CL7	CHD-C1D	2.53	1.45	1.39
14	B	836	CL7	MG-ND	-2.52	2.00	2.05
14	A	846	CL7	OBD-CAD	2.52	1.26	1.22
14	A	839	CL7	C1D-C2D	2.52	1.49	1.43
14	B	817	CL7	MG-ND	-2.52	2.00	2.05
14	B	838	CL7	C4C-NC	-2.52	1.34	1.37
14	A	804	CL7	C1D-ND	-2.52	1.34	1.37
14	B	824	CL7	MG-ND	-2.52	2.00	2.05
14	L	204	CL7	C4C-NC	-2.52	1.34	1.37
14	L	207	CL7	MG-ND	-2.52	2.00	2.05
14	B	812	CL7	C1D-C2D	2.52	1.49	1.43
14	B	834	CL7	C1B-NB	-2.52	1.34	1.37
14	A	816	CL7	C4B-NB	-2.52	1.34	1.37
14	B	805	CL7	C1D-C2D	2.51	1.49	1.43
14	A	831	CL7	MG-ND	-2.51	2.00	2.05
14	A	833	CL7	C4C-NC	-2.51	1.34	1.37
14	A	817	CL7	C1B-C2B	2.51	1.49	1.43
14	A	840	CL7	OBD-CAD	2.50	1.26	1.22
14	A	835	CL7	C1B-C2B	2.50	1.49	1.43
14	B	826	CL7	C1D-C2D	2.50	1.49	1.43
14	A	840	CL7	C4C-NC	-2.50	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	840	CL7	C3D-C4D	-2.50	1.33	1.40
14	A	812	CL7	MG-ND	-2.50	2.00	2.05
14	B	804	CL7	C1B-C2B	2.50	1.49	1.43
14	A	844	CL7	C1B-C2B	2.49	1.49	1.43
14	L	204	CL7	C1D-C2D	2.49	1.49	1.43
14	B	821	CL7	C1D-C2D	2.49	1.49	1.43
14	A	855	CL7	MG-ND	-2.49	2.00	2.05
14	A	816	CL7	OBD-CAD	2.49	1.26	1.22
14	A	838	CL7	MG-ND	-2.49	2.00	2.05
14	A	827	CL7	C1B-C2B	2.49	1.49	1.43
14	B	839	CL7	MG-ND	-2.49	2.00	2.05
14	B	818	CL7	C1D-C2D	2.49	1.49	1.43
14	A	803	CL7	MG-ND	-2.49	2.00	2.05
14	A	819	CL7	C1B-C2B	2.48	1.49	1.43
14	A	810	CL7	MG-ND	-2.48	2.00	2.05
14	B	845	CL7	C4B-NB	-2.48	1.34	1.37
14	B	836	CL7	C1B-C2B	2.48	1.49	1.43
14	A	817	CL7	C4C-NC	-2.48	1.34	1.37
14	B	810	CL7	C4B-NB	-2.48	1.34	1.37
14	B	830	CL7	C1A-CHA	2.48	1.48	1.38
14	A	848	CL7	C4C-NC	-2.47	1.34	1.37
14	F	201	CL7	C4C-NC	-2.47	1.34	1.37
14	A	840	CL7	C4B-NB	-2.47	1.34	1.37
14	B	806	CL7	CHD-C1D	2.46	1.44	1.39
14	A	807	CL7	MG-ND	-2.46	2.00	2.05
14	B	843	CL7	C1D-C2D	2.46	1.48	1.43
14	B	831	CL7	C1B-C2B	2.46	1.48	1.43
14	A	845	CL7	C1B-C2B	2.46	1.48	1.43
14	A	806	CL7	C1B-C2B	2.45	1.48	1.43
14	A	806	CL7	C3B-C4B	2.45	1.49	1.42
14	A	813	CL7	C4B-NB	-2.45	1.34	1.37
14	B	817	CL7	C4C-NC	-2.45	1.34	1.37
14	A	808	CL7	C4B-NB	-2.45	1.34	1.37
14	A	823	CL7	C4C-NC	-2.45	1.34	1.37
14	B	843	CL7	OBD-CAD	2.44	1.26	1.22
14	B	802	CL7	C1B-C2B	2.44	1.48	1.43
14	A	804	CL7	C3B-C4B	2.44	1.49	1.42
14	B	829	CL7	C3D-C4D	-2.44	1.33	1.40
14	B	811	CL7	C1B-C2B	2.44	1.48	1.43
14	B	840	CL7	C4C-NC	-2.43	1.34	1.37
14	A	813	CL7	C4C-NC	-2.43	1.34	1.37
14	A	821	CL7	C4B-NB	-2.43	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	831	CL7	C4C-NC	-2.43	1.34	1.37
14	A	839	CL7	C4B-NB	-2.43	1.34	1.37
14	A	818	CL7	C1B-C2B	2.43	1.48	1.43
14	A	823	CL7	C1B-C2B	2.43	1.48	1.43
12	A	801	G9R	C4B-NB	-2.43	1.34	1.37
14	A	840	CL7	C3B-C4B	2.43	1.49	1.42
14	A	826	CL7	MG-ND	-2.43	2.01	2.05
14	B	804	CL7	C1D-C2D	2.42	1.48	1.43
14	A	843	CL7	C1B-C2B	2.42	1.48	1.43
14	K	101	CL7	MG-ND	-2.42	2.01	2.05
14	A	840	CL7	C1B-C2B	2.41	1.48	1.43
14	B	835	CL7	C4B-NB	-2.41	1.34	1.37
14	A	814	CL7	C4C-NC	-2.41	1.34	1.37
14	B	813	CL7	C1D-C2D	2.41	1.48	1.43
14	B	826	CL7	C4B-NB	-2.41	1.34	1.37
14	B	817	CL7	C4B-NB	-2.41	1.34	1.37
14	A	843	CL7	C3B-C4B	2.41	1.49	1.42
14	B	810	CL7	MG-ND	-2.41	2.01	2.05
14	A	840	CL7	C1D-C2D	2.41	1.48	1.43
14	A	845	CL7	MG-ND	-2.41	2.01	2.05
14	B	830	CL7	C3D-C4D	-2.40	1.33	1.40
14	B	807	CL7	OBD-CAD	2.40	1.26	1.22
14	A	812	CL7	C4C-NC	-2.40	1.34	1.37
14	A	836	CL7	C4B-NB	-2.40	1.34	1.37
14	B	836	CL7	C4C-NC	-2.40	1.34	1.37
14	B	815	CL7	C4B-NB	-2.40	1.34	1.37
14	A	816	CL7	C1D-C2D	2.39	1.48	1.43
14	B	824	CL7	C4C-NC	-2.39	1.34	1.37
13	A	802	PHO	C3D-C4D	-2.39	1.38	1.41
14	A	814	CL7	C3B-C4B	2.39	1.49	1.42
14	A	832	CL7	MG-ND	-2.39	2.01	2.05
14	A	804	CL7	MG-ND	-2.39	2.01	2.05
14	B	823	CL7	C4C-NC	-2.39	1.34	1.37
14	B	842	CL7	C4B-NB	-2.39	1.34	1.37
14	A	823	CL7	C4B-NB	-2.38	1.34	1.37
14	B	839	CL7	C4C-NC	-2.38	1.34	1.37
14	B	838	CL7	MG-ND	-2.38	2.01	2.05
14	B	814	CL7	C3D-C4D	-2.38	1.33	1.40
14	F	202	CL7	MG-ND	-2.37	2.01	2.05
18	A	850	WVN	C14-C15	2.37	1.55	1.51
14	A	833	CL7	C4B-NB	-2.37	1.34	1.37
14	B	835	CL7	C4C-C3C	2.37	1.49	1.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	836	CL7	C4C-NC	-2.37	1.34	1.37
14	F	202	CL7	C3B-C4B	2.37	1.49	1.42
14	A	826	CL7	C4B-NB	-2.37	1.34	1.37
14	A	841	CL7	C4B-NB	-2.37	1.34	1.37
14	I	101	CL7	C4C-NC	-2.37	1.34	1.37
14	B	829	CL7	CHD-C1D	2.36	1.44	1.39
14	B	824	CL7	C1B-C2B	2.36	1.48	1.43
14	B	845	CL7	C4C-NC	-2.36	1.34	1.37
14	A	809	CL7	C4B-NB	-2.35	1.34	1.37
14	B	828	CL7	C3B-C4B	2.35	1.49	1.42
18	K	103	WVN	C14-C15	2.35	1.55	1.51
14	B	807	CL7	C1B-C2B	2.35	1.48	1.43
14	A	816	CL7	C3B-C4B	2.35	1.49	1.42
14	B	818	CL7	C3D-C4D	-2.34	1.33	1.40
13	A	854	PHO	C3A-C2A	-2.34	1.52	1.54
14	B	828	CL7	C4C-NC	-2.34	1.34	1.37
14	A	821	CL7	C1B-C2B	2.33	1.48	1.43
14	A	809	CL7	MG-ND	-2.33	2.01	2.05
14	A	844	CL7	C3D-C4D	-2.33	1.33	1.40
14	I	101	CL7	C4B-NB	-2.33	1.34	1.37
14	B	816	CL7	C3D-C4D	-2.32	1.33	1.40
14	A	831	CL7	C4B-NB	-2.32	1.34	1.37
14	B	831	CL7	MG-ND	-2.32	2.01	2.05
14	A	820	CL7	C1D-C2D	2.32	1.48	1.43
14	B	844	CL7	C4B-NB	-2.32	1.34	1.37
14	A	836	CL7	C1D-C2D	2.31	1.48	1.43
14	A	832	CL7	C3B-C4B	2.31	1.49	1.42
14	F	201	CL7	C4B-NB	-2.31	1.34	1.37
14	A	844	CL7	C1D-C2D	2.30	1.48	1.43
14	B	812	CL7	C4B-NB	-2.30	1.34	1.37
18	F	205	WVN	C14-C15	2.29	1.55	1.51
14	B	834	CL7	C4C-NC	-2.29	1.34	1.37
14	A	845	CL7	C4B-NB	-2.29	1.34	1.37
14	A	855	CL7	C4C-NC	-2.29	1.34	1.37
14	A	836	CL7	C3B-C4B	2.29	1.49	1.42
14	A	838	CL7	C4C-NC	-2.28	1.34	1.37
14	B	827	CL7	C3D-C4D	-2.28	1.33	1.40
14	B	837	CL7	C4B-NB	-2.28	1.34	1.37
14	F	203	CL7	C4B-NB	-2.28	1.34	1.37
14	I	101	CL7	C3B-C4B	2.28	1.49	1.42
14	A	845	CL7	C4C-NC	-2.28	1.34	1.37
14	A	832	CL7	C4C-NC	-2.28	1.34	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	831	CL7	C4C-NC	-2.27	1.34	1.37
14	A	841	CL7	C3B-C4B	2.27	1.49	1.42
14	B	840	CL7	MG-ND	-2.27	2.01	2.05
14	A	838	CL7	C4B-NB	-2.27	1.34	1.37
14	B	845	CL7	C3B-C4B	2.27	1.49	1.42
14	B	837	CL7	C4C-NC	-2.27	1.34	1.37
14	A	828	CL7	C1B-C2B	2.26	1.48	1.43
14	B	831	CL7	C3B-C4B	2.26	1.49	1.42
14	A	841	CL7	C4C-NC	-2.26	1.34	1.37
14	A	811	CL7	C4B-NB	-2.26	1.34	1.37
14	A	806	CL7	C3D-C4D	-2.26	1.34	1.40
14	A	808	CL7	C4C-NC	-2.26	1.34	1.37
14	A	828	CL7	C4B-NB	-2.26	1.34	1.37
14	F	202	CL7	C4C-NC	-2.26	1.34	1.37
14	B	808	CL7	C3D-C4D	-2.26	1.34	1.40
14	B	824	CL7	C3B-C4B	2.26	1.49	1.42
14	B	839	CL7	C3B-C4B	2.26	1.49	1.42
14	B	822	CL7	C4C-NC	-2.25	1.34	1.37
14	A	805	CL7	C4B-NB	-2.25	1.34	1.37
14	A	835	CL7	C4C-NC	-2.25	1.34	1.37
14	B	835	CL7	C3D-C4D	-2.25	1.34	1.40
14	A	835	CL7	C3B-C4B	2.25	1.49	1.42
14	B	840	CL7	C1B-C2B	2.25	1.48	1.43
14	B	811	CL7	C4B-NB	-2.25	1.34	1.37
14	L	205	CL7	C1B-C2B	2.24	1.48	1.43
14	B	836	CL7	C3D-C4D	-2.24	1.34	1.40
14	A	842	CL7	C3D-C4D	-2.24	1.34	1.40
14	B	844	CL7	C3B-C4B	2.24	1.49	1.42
14	A	838	CL7	C1B-C2B	2.24	1.48	1.43
14	B	833	CL7	C4B-NB	-2.23	1.34	1.37
14	A	811	CL7	C4C-NC	-2.22	1.34	1.37
18	B	851	WVN	C14-C15	2.22	1.55	1.51
14	A	816	CL7	C1B-C2B	2.22	1.48	1.43
18	F	204	WVN	C14-C15	2.22	1.55	1.51
14	A	855	CL7	C3B-C4B	2.22	1.49	1.42
14	A	806	CL7	C4C-NC	-2.22	1.35	1.37
14	A	838	CL7	C3B-C4B	2.21	1.49	1.42
14	A	815	CL7	C3B-C4B	2.21	1.49	1.42
14	B	816	CL7	C4C-C3C	2.21	1.49	1.45
14	F	202	CL7	C4C-C3C	2.21	1.49	1.45
14	B	845	CL7	C3D-C4D	-2.21	1.34	1.40
14	B	811	CL7	C3D-C4D	-2.21	1.34	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	K	102	CL7	C4B-NB	-2.21	1.35	1.37
14	B	827	CL7	C4C-C3C	2.21	1.49	1.45
14	B	815	CL7	C4C-NC	-2.20	1.35	1.37
14	A	813	CL7	C4C-C3C	2.20	1.49	1.45
14	B	809	CL7	C3D-C4D	-2.20	1.34	1.40
14	B	827	CL7	C4C-NC	-2.19	1.35	1.37
14	F	201	CL7	C3D-C4D	-2.19	1.34	1.40
14	A	815	CL7	C3D-C4D	-2.19	1.34	1.40
14	A	848	CL7	C4B-NB	-2.19	1.35	1.37
14	B	830	CL7	CAA-C2A	-2.19	1.50	1.54
14	A	803	CL7	C1B-C2B	2.18	1.48	1.43
14	A	839	CL7	C3B-C4B	2.18	1.49	1.42
14	A	829	CL7	C4B-NB	-2.18	1.35	1.37
14	B	807	CL7	C1D-C2D	2.18	1.48	1.43
14	A	855	CL7	C4B-NB	-2.18	1.35	1.37
14	B	833	CL7	C4C-NC	-2.18	1.35	1.37
14	A	813	CL7	C1B-C2B	2.17	1.48	1.43
14	A	811	CL7	C3D-C4D	-2.17	1.34	1.40
14	B	810	CL7	C3A-C2A	-2.17	1.52	1.54
14	B	803	CL7	C3B-C4B	2.17	1.49	1.42
14	K	101	CL7	C4B-NB	-2.17	1.35	1.37
14	B	834	CL7	C3B-C4B	2.17	1.49	1.42
14	F	202	CL7	C1B-C2B	2.16	1.48	1.43
14	A	808	CL7	C4C-C3C	2.16	1.49	1.45
14	A	816	CL7	C3D-C4D	-2.16	1.34	1.40
14	B	817	CL7	C3B-C4B	2.16	1.49	1.42
14	B	826	CL7	C3B-C4B	2.16	1.49	1.42
14	B	833	CL7	C4C-C3C	2.16	1.49	1.45
14	B	811	CL7	C3B-C4B	2.16	1.49	1.42
13	A	802	PHO	C1B-C2B	2.16	1.41	1.39
14	A	817	CL7	C4B-NB	-2.16	1.35	1.37
14	B	812	CL7	C3D-C4D	-2.15	1.34	1.40
14	B	830	CL7	C4C-C3C	2.15	1.49	1.45
14	B	812	CL7	C4C-NC	-2.15	1.35	1.37
14	B	842	CL7	C4C-NC	-2.15	1.35	1.37
14	F	203	CL7	C4C-NC	-2.15	1.35	1.37
14	A	813	CL7	C3D-C4D	-2.15	1.34	1.40
14	B	837	CL7	C4C-C3C	2.14	1.49	1.45
14	A	811	CL7	C3B-C4B	2.14	1.49	1.42
14	B	806	CL7	C3B-C4B	2.14	1.49	1.42
14	A	810	CL7	C4C-C3C	2.14	1.49	1.45
14	A	810	CL7	C4B-NB	-2.14	1.35	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	B	843	CL7	C3B-C4B	2.14	1.49	1.42
14	B	839	CL7	C4B-NB	-2.14	1.35	1.37
14	B	823	CL7	C3D-C4D	-2.14	1.34	1.40
14	A	809	CL7	C4C-NC	-2.13	1.35	1.37
14	B	813	CL7	C3D-C4D	-2.13	1.34	1.40
14	A	843	CL7	C4B-NB	-2.13	1.35	1.37
14	A	828	CL7	C3D-C4D	-2.13	1.34	1.40
14	B	837	CL7	C3B-C4B	2.13	1.48	1.42
14	A	808	CL7	C3D-C4D	-2.13	1.34	1.40
14	A	819	CL7	C4C-C3C	2.13	1.48	1.45
14	K	101	CL7	C4C-NC	-2.13	1.35	1.37
14	K	101	CL7	C3B-C4B	2.12	1.48	1.42
14	A	839	CL7	C3D-C4D	-2.12	1.34	1.40
14	A	815	CL7	C1D-C2D	2.11	1.48	1.43
14	B	824	CL7	C3D-C4D	-2.11	1.34	1.40
14	A	835	CL7	C4C-C3C	2.11	1.48	1.45
14	A	812	CL7	C3D-C4D	-2.11	1.34	1.40
18	A	852	WVN	C14-C15	2.11	1.54	1.51
14	B	806	CL7	C1D-C2D	2.11	1.48	1.43
14	A	846	CL7	C3D-C4D	-2.11	1.34	1.40
14	B	826	CL7	C3D-C4D	-2.11	1.34	1.40
14	B	843	CL7	C3D-C4D	-2.11	1.34	1.40
14	F	203	CL7	C4C-C3C	2.11	1.48	1.45
14	A	848	CL7	C3B-C4B	2.10	1.48	1.42
14	A	841	CL7	C3D-C4D	-2.10	1.34	1.40
14	A	804	CL7	C4C-NC	-2.10	1.35	1.37
14	B	834	CL7	C4B-NB	-2.10	1.35	1.37
14	A	814	CL7	C3D-C4D	-2.10	1.34	1.40
14	B	828	CL7	C4B-NB	-2.10	1.35	1.37
14	K	102	CL7	C3D-C4D	-2.10	1.34	1.40
14	B	828	CL7	C3D-C4D	-2.10	1.34	1.40
14	B	814	CL7	C3B-C4B	2.10	1.48	1.42
14	B	844	CL7	C3D-C4D	-2.09	1.34	1.40
14	A	831	CL7	C4C-C3C	2.09	1.48	1.45
14	A	823	CL7	C3D-C4D	-2.09	1.34	1.40
14	B	833	CL7	C3B-C4B	2.09	1.48	1.42
14	B	822	CL7	C3B-C4B	2.09	1.48	1.42
14	B	838	CL7	C3B-C4B	2.08	1.48	1.42
14	B	835	CL7	C4C-NC	-2.08	1.35	1.37
14	A	836	CL7	C4C-C3C	2.08	1.48	1.45
14	A	811	CL7	C4C-C3C	2.08	1.48	1.45
14	B	819	CL7	C3D-C4D	-2.08	1.34	1.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	829	CL7	C3D-C4D	-2.08	1.34	1.40
14	A	842	CL7	C4C-NC	-2.08	1.35	1.37
14	B	831	CL7	C3D-C4D	-2.08	1.34	1.40
14	A	818	CL7	C3D-C4D	-2.07	1.34	1.40
14	K	102	CL7	C4C-C3C	2.07	1.48	1.45
14	A	805	CL7	C3B-C4B	2.07	1.48	1.42
14	A	805	CL7	C3D-C4D	-2.07	1.34	1.40
14	B	804	CL7	C3D-C4D	-2.07	1.34	1.40
14	I	101	CL7	C3D-C4D	-2.07	1.34	1.40
14	A	839	CL7	C1B-C2B	2.06	1.48	1.43
14	L	205	CL7	C3B-C4B	2.06	1.48	1.42
14	A	829	CL7	C4C-NC	-2.06	1.35	1.37
14	A	829	CL7	C3B-C4B	2.06	1.48	1.42
14	A	809	CL7	C3D-C4D	-2.06	1.34	1.40
14	A	809	CL7	C3B-C4B	2.06	1.48	1.42
14	A	810	CL7	C3D-C4D	-2.05	1.34	1.40
14	K	102	CL7	C4C-NC	-2.05	1.35	1.37
14	B	817	CL7	C3D-C4D	-2.05	1.34	1.40
14	K	102	CL7	C3B-C4B	2.05	1.48	1.42
14	B	814	CL7	C4C-C3C	2.05	1.48	1.45
14	A	833	CL7	C4C-C3C	2.05	1.48	1.45
14	A	845	CL7	C3B-C4B	2.05	1.48	1.42
14	B	834	CL7	C3D-C4D	-2.05	1.34	1.40
14	A	835	CL7	C4B-NB	-2.04	1.35	1.37
14	B	812	CL7	C3B-C4B	2.04	1.48	1.42
14	B	833	CL7	C3D-C4D	-2.04	1.34	1.40
14	K	101	CL7	C3D-C4D	-2.04	1.34	1.40
14	A	843	CL7	C3D-C4D	-2.04	1.34	1.40
14	B	815	CL7	C4C-C3C	2.04	1.48	1.45
14	A	807	CL7	C3D-C4D	-2.04	1.34	1.40
14	F	203	CL7	C3D-C4D	-2.04	1.34	1.40
14	A	805	CL7	C4C-C3C	2.04	1.48	1.45
14	B	837	CL7	C3D-C4D	-2.04	1.34	1.40
14	A	810	CL7	C3B-C4B	2.03	1.48	1.42
14	A	817	CL7	C3B-C4B	2.03	1.48	1.42
14	A	806	CL7	C4B-NB	-2.03	1.35	1.37
14	A	831	CL7	C3D-C4D	-2.03	1.34	1.40
14	B	824	CL7	C4B-NB	-2.03	1.35	1.37
14	A	848	CL7	C3D-C4D	-2.03	1.34	1.40
14	A	855	CL7	C3D-C4D	-2.03	1.34	1.40
14	B	839	CL7	C4C-C3C	2.03	1.48	1.45
14	A	832	CL7	C4B-NB	-2.03	1.35	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
14	A	829	CL7	C4C-C3C	2.03	1.48	1.45
14	L	204	CL7	C3D-C4D	-2.02	1.34	1.40
14	B	815	CL7	C3D-C4D	-2.02	1.34	1.40
14	B	810	CL7	C3B-C4B	2.02	1.48	1.42
14	A	831	CL7	C3B-C4B	2.02	1.48	1.42
14	A	821	CL7	C3D-C4D	-2.02	1.34	1.40
14	F	202	CL7	C3D-C4D	-2.02	1.34	1.40
14	B	840	CL7	C3B-C4B	2.02	1.48	1.42
14	B	810	CL7	C3D-C4D	-2.02	1.34	1.40
14	B	816	CL7	C4C-NC	-2.02	1.35	1.37
14	B	842	CL7	C3D-C4D	-2.02	1.34	1.40
14	A	835	CL7	C3D-C4D	-2.02	1.34	1.40
14	A	826	CL7	C4C-C3C	2.01	1.48	1.45
14	A	842	CL7	C1D-C2D	2.01	1.47	1.43
14	A	838	CL7	C3D-C4D	-2.01	1.34	1.40
14	B	839	CL7	C3D-C4D	-2.01	1.34	1.40
14	B	829	CL7	C1D-C2D	2.01	1.47	1.43
14	B	802	CL7	C1D-C2D	2.01	1.47	1.43
14	A	826	CL7	C3B-C4B	2.01	1.48	1.42
14	A	828	CL7	C3B-C4B	2.01	1.48	1.42
14	A	840	CL7	C3D-C4D	-2.01	1.34	1.40
14	A	804	CL7	C4C-C3C	2.00	1.48	1.45
14	A	820	CL7	C3D-C4D	-2.00	1.34	1.40
14	B	819	CL7	C4B-NB	-2.00	1.35	1.37
14	A	833	CL7	C3D-C4D	-2.00	1.34	1.40
14	B	838	CL7	C4B-NB	-2.00	1.35	1.37
14	A	836	CL7	C3D-C4D	-2.00	1.34	1.40

All (3060) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	A	852	WVN	C04-C09-C05	-129.71	1.03	124.83
18	A	853	WVN	C04-C09-C05	-129.31	1.41	124.83
18	L	209	WVN	C04-C09-C05	-129.06	1.65	124.83
18	F	205	WVN	C04-C09-C05	-128.45	2.23	124.83
18	A	850	WVN	C04-C09-C05	-128.24	2.43	124.83
18	M	101	WVN	C04-C09-C05	-127.49	3.14	124.83
18	B	848	WVN	C04-C09-C05	-127.45	3.19	124.83
18	B	851	WVN	C04-C09-C05	-127.05	3.57	124.83
18	K	103	WVN	C04-C09-C05	-127.04	3.58	124.83
18	L	202	WVN	C04-C09-C05	-126.88	3.73	124.83
18	F	204	WVN	C04-C09-C05	-126.77	3.83	124.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	A	851	WVN	C04-C09-C05	-126.46	4.13	124.83
18	I	102	WVN	C04-C09-C05	-126.04	4.53	124.83
18	B	850	WVN	C04-C09-C05	-125.77	4.79	124.83
18	A	849	WVN	C04-C09-C05	-125.62	4.93	124.83
18	L	201	WVN	C04-C09-C05	-124.37	6.12	124.83
18	A	851	WVN	C24-C22-C26	-75.13	1.10	122.82
18	A	850	WVN	C24-C22-C26	-74.98	1.34	122.82
18	A	851	WVN	C10-C06-C13	-74.77	1.82	110.44
18	F	204	WVN	C24-C22-C26	-74.07	2.82	122.82
18	L	201	WVN	C24-C22-C26	-73.93	3.04	122.82
18	F	205	WVN	C24-C22-C26	-73.70	3.41	122.82
18	L	209	WVN	C24-C22-C26	-73.70	3.42	122.82
18	A	853	WVN	C24-C22-C26	-73.20	4.23	122.82
18	A	849	WVN	C08-C01-C07	-73.18	1.37	107.87
18	F	204	WVN	C08-C01-C07	-73.16	1.40	107.87
18	A	852	WVN	C24-C22-C26	-73.09	4.41	122.82
18	B	848	WVN	C24-C22-C26	-73.04	4.49	122.82
18	M	101	WVN	C24-C22-C26	-72.99	4.57	122.82
18	A	852	WVN	C08-C01-C07	-72.91	1.77	107.87
18	B	848	WVN	C08-C01-C07	-72.89	1.80	107.87
18	L	209	WVN	C08-C01-C07	-72.85	1.86	107.87
18	A	851	WVN	C08-C01-C07	-72.84	1.86	107.87
18	A	853	WVN	C08-C01-C07	-72.79	1.95	107.87
18	K	103	WVN	C08-C01-C07	-72.71	2.06	107.87
18	M	101	WVN	C08-C01-C07	-72.54	2.31	107.87
18	L	201	WVN	C08-C01-C07	-72.38	2.53	107.87
18	I	102	WVN	C08-C01-C07	-72.13	2.89	107.87
18	M	101	WVN	C14-C15-C13	-72.13	25.23	122.70
18	A	852	WVN	C38-C34-C37	-72.10	6.00	122.82
18	I	102	WVN	C24-C22-C26	-72.10	6.01	122.82
18	A	850	WVN	C08-C01-C07	-72.09	2.96	107.87
18	L	202	WVN	C08-C01-C07	-71.89	3.25	107.87
18	B	851	WVN	C08-C01-C07	-71.88	3.27	107.87
18	K	103	WVN	C14-C15-C13	-71.73	25.78	122.70
18	B	850	WVN	C08-C01-C07	-71.61	3.66	107.87
18	B	850	WVN	C24-C22-C26	-71.52	6.95	122.82
18	M	101	WVN	C10-C06-C13	-71.45	6.65	110.44
18	A	851	WVN	C14-C15-C13	-71.28	26.38	122.70
18	B	851	WVN	C14-C15-C13	-71.13	26.59	122.70
18	F	204	WVN	C14-C15-C13	-71.11	26.61	122.70
18	A	850	WVN	C14-C15-C13	-71.01	26.75	122.70
18	B	851	WVN	C24-C22-C26	-70.80	8.11	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	L	202	WVN	C14-C15-C13	-70.78	27.06	122.70
18	A	853	WVN	C14-C15-C13	-70.77	27.07	122.70
18	F	205	WVN	C08-C01-C07	-70.67	5.03	107.87
18	A	852	WVN	C14-C15-C13	-70.66	27.22	122.70
18	A	849	WVN	C24-C22-C26	-70.62	8.40	122.82
18	L	209	WVN	C14-C15-C13	-70.58	27.32	122.70
18	F	205	WVN	C14-C15-C13	-70.54	27.38	122.70
18	B	850	WVN	C14-C15-C13	-70.49	27.45	122.70
18	B	848	WVN	C14-C15-C13	-70.38	27.60	122.70
18	L	201	WVN	C14-C15-C13	-70.34	27.65	122.70
18	I	102	WVN	C14-C15-C13	-70.33	27.67	122.70
18	B	850	WVN	C02-C05-C09	-70.32	34.95	121.47
18	A	849	WVN	C14-C15-C13	-70.16	27.90	122.70
18	A	852	WVN	C10-C06-C13	-70.15	8.54	110.44
18	L	202	WVN	C24-C22-C26	-70.05	9.33	122.82
18	M	101	WVN	C38-C34-C37	-69.82	9.71	122.82
18	A	849	WVN	C27-C25-C28	-69.52	10.18	122.82
18	A	849	WVN	C38-C34-C37	-69.19	10.72	122.82
18	A	851	WVN	C17-C06-C13	-69.16	1.79	110.24
18	A	852	WVN	C27-C25-C28	-69.10	10.86	122.82
18	A	850	WVN	C27-C25-C28	-68.99	11.04	122.82
18	F	204	WVN	C27-C25-C28	-68.95	11.11	122.82
18	L	202	WVN	C27-C25-C28	-68.78	11.39	122.82
18	B	848	WVN	C27-C25-C28	-68.77	11.41	122.82
18	A	853	WVN	C38-C34-C37	-68.69	11.53	122.82
18	B	851	WVN	C27-C25-C28	-68.49	11.86	122.82
18	L	201	WVN	C27-C25-C28	-68.47	11.89	122.82
18	A	853	WVN	C27-C25-C28	-68.46	11.90	122.82
18	B	850	WVN	C27-C25-C28	-68.39	12.02	122.82
18	I	102	WVN	C27-C25-C28	-67.95	12.72	122.82
18	L	209	WVN	C27-C25-C28	-67.83	12.92	122.82
18	A	851	WVN	C38-C34-C37	-67.65	13.21	122.82
18	M	101	WVN	C27-C25-C28	-67.62	13.27	122.82
18	A	851	WVN	C18-C06-C13	-67.58	4.27	110.24
18	A	849	WVN	C10-C06-C13	-67.53	12.35	110.44
18	B	850	WVN	C38-C34-C37	-67.38	13.65	122.82
18	A	849	WVN	C02-C05-C09	-67.36	38.60	121.47
18	A	851	WVN	C27-C25-C28	-67.20	13.95	122.82
18	K	103	WVN	C38-C34-C37	-67.07	14.16	122.82
18	B	851	WVN	C38-C34-C37	-66.92	14.40	122.82
18	B	849	WVN	C27-C25-C28	-66.88	14.46	122.82
18	I	102	WVN	C38-C34-C37	-66.85	14.52	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	B	848	WVN	C38-C34-C37	-66.80	14.59	122.82
18	K	103	WVN	C27-C25-C28	-66.63	14.86	122.82
18	L	201	WVN	C38-C34-C37	-66.62	14.88	122.82
18	L	209	WVN	C38-C34-C37	-66.39	15.25	122.82
18	L	202	WVN	C38-C34-C37	-66.23	15.52	122.82
18	M	101	WVN	C17-C06-C13	-66.15	6.50	110.24
18	A	849	WVN	C17-C06-C13	-65.98	6.78	110.24
18	A	852	WVN	C17-C06-C13	-65.88	6.93	110.24
18	I	102	WVN	C02-C05-C09	-65.82	40.49	121.47
18	F	205	WVN	C38-C34-C37	-65.70	16.38	122.82
18	I	102	WVN	C10-C06-C13	-65.60	15.15	110.44
18	K	103	WVN	C24-C22-C26	-65.50	16.70	122.82
18	A	850	WVN	C38-C34-C37	-65.46	16.76	122.82
18	A	851	WVN	C35-C32-C36	-65.22	17.15	122.82
18	F	204	WVN	C38-C34-C37	-64.96	17.58	122.82
18	K	103	WVN	C35-C32-C36	-64.73	17.95	122.82
18	M	101	WVN	C35-C32-C36	-64.34	18.58	122.82
18	K	103	WVN	C10-C06-C13	-64.10	17.33	110.44
18	F	205	WVN	C17-C06-C13	-64.01	9.86	110.24
18	B	851	WVN	C10-C06-C13	-63.98	17.51	110.44
18	F	205	WVN	C35-C32-C36	-63.88	19.32	122.82
18	M	101	WVN	C18-C06-C13	-63.81	10.17	110.24
18	F	205	WVN	C18-C06-C13	-63.80	10.20	110.24
18	I	102	WVN	C17-C06-C13	-63.74	10.29	110.24
18	B	850	WVN	C35-C32-C36	-63.43	20.05	122.82
18	F	204	WVN	C35-C32-C36	-63.40	20.10	122.82
18	A	852	WVN	C18-C06-C13	-63.24	11.06	110.24
18	L	209	WVN	C17-C06-C13	-63.22	11.09	110.24
18	A	849	WVN	C18-C06-C13	-63.22	11.10	110.24
18	F	204	WVN	C17-C06-C13	-63.03	11.39	110.24
18	A	853	WVN	C35-C32-C36	-62.82	21.03	122.82
18	K	103	WVN	C17-C06-C13	-62.60	12.08	110.24
18	A	852	WVN	C35-C32-C36	-62.40	21.73	122.82
18	I	102	WVN	C35-C32-C36	-62.39	21.74	122.82
18	F	205	WVN	C31-C32-C36	-61.70	21.96	119.01
18	L	202	WVN	C17-C06-C13	-61.36	14.02	110.24
18	B	848	WVN	C10-C06-C13	-61.30	21.40	110.44
18	A	849	WVN	C35-C32-C36	-60.89	24.17	122.82
18	B	848	WVN	C17-C06-C13	-60.80	14.90	110.24
18	I	102	WVN	C18-C06-C13	-60.52	15.33	110.24
18	L	209	WVN	C10-C06-C13	-60.50	22.56	110.44
18	F	205	WVN	C27-C25-C28	-60.08	25.48	122.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	B	851	WVN	C17-C06-C13	-59.92	16.28	110.24
18	L	209	WVN	C18-C06-C13	-59.63	16.73	110.24
18	F	204	WVN	C18-C06-C13	-59.36	17.15	110.24
18	K	103	WVN	C18-C06-C13	-59.34	17.18	110.24
18	A	850	WVN	C35-C32-C36	-59.27	26.80	122.82
18	A	853	WVN	C17-C06-C13	-58.85	17.96	110.24
18	B	851	WVN	C35-C32-C36	-58.84	27.48	122.82
18	L	201	WVN	C35-C32-C36	-58.26	28.42	122.82
18	L	202	WVN	C18-C06-C13	-57.88	19.47	110.24
18	A	851	WVN	C02-C05-C09	-57.85	50.30	121.47
18	A	853	WVN	C10-C06-C13	-57.57	26.82	110.44
18	L	202	WVN	C10-C06-C13	-57.49	26.93	110.44
18	A	853	WVN	C08-C01-C02	-57.36	22.66	109.55
18	F	204	WVN	C02-C05-C09	-57.23	51.07	121.47
18	F	204	WVN	C10-C06-C13	-57.23	27.31	110.44
18	B	851	WVN	C18-C06-C13	-57.19	20.56	110.24
18	L	202	WVN	C35-C32-C36	-57.07	30.36	122.82
18	B	848	WVN	C18-C06-C13	-56.91	20.99	110.24
18	A	853	WVN	C07-C01-C02	-56.84	23.45	109.55
18	L	209	WVN	C35-C32-C36	-56.81	30.78	122.82
18	B	848	WVN	C35-C32-C36	-56.41	31.42	122.82
18	A	853	WVN	C18-C06-C13	-55.86	22.64	110.24
18	K	103	WVN	C02-C05-C09	-55.60	53.07	121.47
18	B	850	WVN	C10-C06-C13	-53.23	33.12	110.44
18	B	851	WVN	C35-C32-C31	-53.07	37.02	118.09
18	A	850	WVN	C10-C06-C13	-52.09	34.78	110.44
18	B	850	WVN	C18-C06-C13	-51.99	28.71	110.24
18	B	850	WVN	C17-C06-C13	-51.96	28.76	110.24
18	I	102	WVN	C31-C32-C36	-51.82	37.50	119.01
18	M	101	WVN	C02-C05-C09	-51.34	58.31	121.47
18	F	205	WVN	C35-C32-C31	-51.01	40.17	118.09
18	A	850	WVN	C08-C01-C02	-50.82	32.56	109.55
18	F	204	WVN	C20-C13-C15	-50.74	4.69	121.56
18	I	102	WVN	C20-C13-C15	-49.65	7.20	121.56
18	F	204	WVN	C21-C15-C13	49.55	178.55	124.48
18	A	849	WVN	C20-C13-C15	-49.53	7.47	121.56
18	B	851	WVN	C02-C05-C09	-49.32	60.80	121.47
18	K	103	WVN	C10-C12-C14	-49.23	3.03	111.28
18	K	103	WVN	C20-C13-C15	-49.21	8.22	121.56
18	A	850	WVN	C07-C01-C02	-49.15	35.10	109.55
18	A	852	WVN	C20-C13-C15	-49.07	8.53	121.56
18	A	851	WVN	C10-C12-C14	-49.06	3.41	111.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	A	853	WVN	C10-C12-C14	-48.75	4.08	111.28
18	L	201	WVN	C17-C06-C13	-48.75	33.80	110.24
18	B	848	WVN	C10-C12-C14	-48.64	4.34	111.28
18	B	850	WVN	C20-C13-C15	-48.59	9.63	121.56
18	B	851	WVN	C20-C13-C15	-48.35	10.18	121.56
18	L	201	WVN	C18-C06-C13	-48.09	34.84	110.24
18	L	201	WVN	C40-C39-C36	-48.01	25.28	123.52
18	L	202	WVN	C08-C01-C02	-47.93	36.94	109.55
18	A	850	WVN	C35-C32-C31	-47.84	45.00	118.09
18	L	201	WVN	C20-C13-C15	-47.67	11.75	121.56
18	L	202	WVN	C10-C12-C14	-47.62	6.57	111.28
18	L	202	WVN	C20-C13-C15	-47.45	12.25	121.56
18	F	205	WVN	C10-C06-C13	-47.37	41.63	110.44
18	A	851	WVN	C20-C13-C15	-47.23	12.76	121.56
18	A	850	WVN	C17-C06-C13	-47.22	36.19	110.24
18	A	853	WVN	C20-C13-C15	-47.20	12.84	121.56
18	A	850	WVN	C20-C13-C15	-47.00	13.31	121.56
18	A	850	WVN	C18-C06-C13	-46.91	36.68	110.24
18	M	101	WVN	C10-C12-C14	-46.79	8.40	111.28
18	I	102	WVN	C03-C04-C09	-46.46	34.11	112.07
18	A	849	WVN	C21-C15-C13	46.38	175.09	124.48
18	L	202	WVN	C07-C01-C02	-46.35	39.33	109.55
18	B	848	WVN	C20-C13-C15	-46.34	14.82	121.56
18	B	850	WVN	C39-C40-C37	-46.02	29.35	123.52
18	A	849	WVN	C10-C12-C14	-45.80	10.57	111.28
18	A	852	WVN	C21-C15-C13	45.78	174.43	124.48
18	K	103	WVN	C21-C15-C13	45.76	174.41	124.48
18	M	101	WVN	C20-C13-C15	-45.73	16.23	121.56
18	A	853	WVN	C31-C32-C36	-45.62	47.24	119.01
18	A	852	WVN	C10-C12-C14	-45.55	11.12	111.28
18	B	851	WVN	C10-C12-C14	-45.27	11.75	111.28
18	L	209	WVN	C07-C01-C02	-45.21	41.06	109.55
18	I	102	WVN	C21-C15-C13	44.83	173.40	124.48
18	F	204	WVN	C10-C12-C14	-44.64	13.14	111.28
18	L	209	WVN	C20-C13-C15	-44.29	19.55	121.56
18	A	852	WVN	C08-C01-C02	-44.22	42.56	109.55
18	L	209	WVN	C08-C01-C02	-44.06	42.81	109.55
18	B	850	WVN	C21-C15-C13	43.98	172.47	124.48
18	B	851	WVN	C21-C15-C13	43.89	172.38	124.48
18	A	852	WVN	C07-C01-C02	-43.63	43.46	109.55
18	I	102	WVN	C10-C12-C14	-43.37	15.93	111.28
18	F	205	WVN	C20-C13-C15	-42.87	22.80	121.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	B	851	WVN	C31-C32-C36	-42.71	51.84	119.01
18	L	209	WVN	C10-C12-C14	-42.70	17.40	111.28
18	A	849	WVN	C31-C32-C36	-42.22	52.60	119.01
18	M	101	WVN	C31-C32-C36	-41.26	54.11	119.01
18	L	202	WVN	C02-C05-C09	-41.23	70.74	121.47
18	A	852	WVN	C31-C32-C36	-41.02	54.49	119.01
18	L	202	WVN	C21-C15-C13	40.81	169.01	124.48
18	L	201	WVN	C21-C15-C13	40.68	168.88	124.48
18	A	851	WVN	C21-C15-C13	39.91	168.03	124.48
18	L	209	WVN	C02-C05-C09	-39.74	72.58	121.47
18	A	853	WVN	C21-C15-C13	39.62	167.72	124.48
18	A	851	WVN	C27-C25-C23	39.61	178.59	118.09
18	B	851	WVN	C07-C01-C02	-39.25	50.09	109.55
18	I	102	WVN	C35-C32-C31	-39.17	58.26	118.09
18	A	851	WVN	C06-C13-C15	39.10	176.06	122.64
18	A	851	WVN	C31-C32-C36	-38.61	58.28	119.01
18	A	850	WVN	C21-C15-C13	38.32	166.30	124.48
18	B	848	WVN	C02-C05-C09	-38.07	74.63	121.47
18	F	204	WVN	C07-C01-C02	-38.05	51.90	109.55
18	B	848	WVN	C21-C15-C13	37.97	165.91	124.48
18	B	850	WVN	C18-C06-C17	-37.87	0.19	108.63
18	K	103	WVN	C07-C01-C02	-37.87	52.18	109.55
18	M	101	WVN	C03-C04-C09	-37.74	48.75	112.07
18	A	850	WVN	C27-C25-C23	37.66	175.62	118.09
18	A	850	WVN	C40-C39-C36	-37.58	46.63	123.52
18	B	851	WVN	C08-C01-C02	-37.52	52.72	109.55
18	F	204	WVN	C08-C01-C02	-37.40	52.89	109.55
18	A	850	WVN	C18-C06-C17	-37.37	1.64	108.63
18	A	850	WVN	C10-C12-C14	-37.24	29.41	111.28
18	A	851	WVN	C40-C39-C36	-37.13	47.54	123.52
18	F	204	WVN	C27-C25-C23	36.89	174.45	118.09
18	L	201	WVN	C18-C06-C17	-36.77	3.34	108.63
18	F	205	WVN	C18-C06-C17	-36.69	3.58	108.63
18	K	103	WVN	C08-C01-C02	-36.61	54.08	109.55
18	A	853	WVN	C27-C25-C23	36.51	173.86	118.09
18	A	851	WVN	C18-C06-C17	-36.40	4.40	108.63
18	K	103	WVN	C31-C32-C36	-36.33	61.86	119.01
18	A	849	WVN	C18-C06-C17	-36.25	4.83	108.63
18	A	852	WVN	C18-C06-C17	-36.24	4.85	108.63
18	F	205	WVN	C27-C25-C23	36.24	173.45	118.09
18	M	101	WVN	C18-C06-C17	-36.22	4.93	108.63
18	I	102	WVN	C18-C06-C17	-36.16	5.11	108.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	A	851	WVN	C07-C01-C02	-36.07	54.91	109.55
18	M	101	WVN	C06-C13-C15	36.05	171.89	122.64
18	B	851	WVN	C18-C06-C17	-36.03	5.46	108.63
18	K	103	WVN	C18-C06-C17	-36.00	5.56	108.63
18	L	201	WVN	C23-C25-C28	35.99	175.62	119.01
18	L	209	WVN	C18-C06-C17	-35.96	5.65	108.63
18	L	202	WVN	C18-C06-C17	-35.96	5.66	108.63
18	F	204	WVN	C18-C06-C17	-35.90	5.83	108.63
18	A	853	WVN	C18-C06-C17	-35.87	5.93	108.63
18	B	848	WVN	C18-C06-C17	-35.81	6.11	108.63
18	A	851	WVN	C08-C01-C02	-35.64	55.56	109.55
18	A	852	WVN	C27-C25-C23	35.58	172.44	118.09
18	L	209	WVN	C27-C25-C23	35.48	172.29	118.09
18	F	205	WVN	C07-C01-C02	-35.46	55.82	109.55
18	B	848	WVN	C16-C05-C09	-35.35	3.58	122.37
18	M	101	WVN	C21-C15-C13	35.21	162.91	124.48
18	L	201	WVN	C27-C25-C23	35.09	171.69	118.09
18	L	209	WVN	C23-C25-C28	34.91	173.93	119.01
18	A	851	WVN	C16-C05-C09	-34.90	5.11	122.37
18	B	848	WVN	C39-C36-C32	34.83	176.12	127.28
18	M	101	WVN	C16-C05-C09	-34.71	5.72	122.37
18	A	853	WVN	C20-C23-C25	34.58	177.39	126.23
18	A	850	WVN	C23-C25-C28	34.48	173.25	119.01
18	M	101	WVN	C08-C01-C02	-34.41	57.42	109.55
18	L	202	WVN	C20-C23-C25	34.41	177.14	126.23
18	K	103	WVN	C16-C05-C09	-34.31	7.09	122.37
18	L	201	WVN	C20-C23-C25	34.29	176.97	126.23
18	M	101	WVN	C07-C01-C02	-34.25	57.67	109.55
18	B	848	WVN	C27-C25-C23	34.19	170.32	118.09
18	B	850	WVN	C20-C23-C25	34.14	176.74	126.23
18	M	101	WVN	C23-C25-C28	34.05	172.56	119.01
18	B	851	WVN	C16-C05-C09	-33.92	8.37	122.37
18	A	852	WVN	C02-C05-C09	-33.71	80.00	121.47
18	B	850	WVN	C10-C12-C14	-33.41	37.83	111.28
18	M	101	WVN	C27-C25-C23	33.37	169.07	118.09
18	F	204	WVN	C03-C04-C09	-33.15	56.45	112.07
18	M	101	WVN	C35-C32-C31	-33.00	67.68	118.09
18	A	853	WVN	C23-C25-C28	32.89	170.75	119.01
18	L	209	WVN	C20-C23-C25	32.81	174.78	126.23
18	K	103	WVN	C39-C40-C37	-32.72	56.57	123.52
18	A	853	WVN	C35-C32-C31	-32.68	68.17	118.09
18	A	849	WVN	C16-C05-C09	-32.67	12.59	122.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	A	849	WVN	C20-C23-C25	32.64	174.53	126.23
18	I	102	WVN	C27-C25-C23	32.62	167.92	118.09
18	L	202	WVN	C16-C05-C09	-32.56	12.96	122.37
18	B	850	WVN	C16-C05-C09	-32.46	13.29	122.37
18	F	205	WVN	C08-C01-C02	-32.41	60.45	109.55
18	A	853	WVN	C16-C05-C09	-32.35	13.67	122.37
18	A	852	WVN	C20-C23-C25	32.27	173.97	126.23
18	L	201	WVN	C10-C06-C13	-32.26	63.58	110.44
18	B	851	WVN	C23-C25-C28	32.22	169.69	119.01
18	A	852	WVN	C16-C05-C09	-32.12	14.43	122.37
18	M	101	WVN	C12-C10-C06	-31.99	1.21	114.43
18	B	851	WVN	C20-C23-C25	31.94	173.49	126.23
18	B	851	WVN	C27-C25-C23	31.93	166.87	118.09
18	F	205	WVN	C40-C39-C36	-31.87	58.31	123.52
18	M	101	WVN	C20-C23-C25	31.87	173.38	126.23
18	A	850	WVN	C31-C32-C36	-31.77	69.04	119.01
18	B	850	WVN	C07-C01-C03	31.72	174.96	109.01
18	I	102	WVN	C23-C25-C28	31.64	168.78	119.01
18	A	851	WVN	C12-C10-C06	-31.58	2.63	114.43
18	L	201	WVN	C40-C37-C34	-31.55	83.03	127.28
18	K	103	WVN	C12-C10-C06	-31.47	3.02	114.43
18	A	852	WVN	C12-C10-C06	-31.47	3.05	114.43
18	B	850	WVN	C40-C37-C34	-31.45	83.17	127.28
18	L	209	WVN	C16-C05-C09	-31.44	16.71	122.37
18	A	850	WVN	C16-C05-C09	-31.36	16.98	122.37
18	I	102	WVN	C12-C10-C06	-31.33	3.53	114.43
18	A	852	WVN	C23-C25-C28	31.33	168.28	119.01
18	I	102	WVN	C20-C23-C25	31.32	172.57	126.23
18	K	103	WVN	C35-C32-C31	-31.31	70.26	118.09
18	M	101	WVN	C40-C39-C36	-31.30	59.47	123.52
18	L	202	WVN	C27-C25-C23	31.29	165.89	118.09
18	B	848	WVN	C23-C25-C28	31.29	168.23	119.01
18	B	848	WVN	C12-C10-C06	-31.28	3.70	114.43
18	I	102	WVN	C16-C05-C09	-31.28	17.26	122.37
18	B	848	WVN	C20-C23-C25	31.25	172.47	126.23
18	B	850	WVN	C08-C01-C03	31.22	173.92	109.01
18	A	849	WVN	C12-C10-C06	-31.19	4.04	114.43
18	L	209	WVN	C12-C10-C06	-31.05	4.53	114.43
18	A	849	WVN	C27-C25-C23	31.03	165.49	118.09
18	L	202	WVN	C12-C10-C06	-30.95	4.87	114.43
18	F	205	WVN	C30-C28-C25	30.95	170.68	127.28
18	B	851	WVN	C12-C10-C06	-30.88	5.12	114.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	A	849	WVN	C39-C40-C37	-30.86	60.38	123.52
18	F	205	WVN	C20-C23-C25	30.79	171.78	126.23
18	B	850	WVN	C03-C04-C09	-30.73	60.51	112.07
18	F	204	WVN	C12-C10-C06	-30.72	5.68	114.43
18	B	850	WVN	C12-C10-C06	-30.64	5.96	114.43
18	A	853	WVN	C12-C10-C06	-30.62	6.03	114.43
18	F	204	WVN	C16-C05-C09	-30.49	19.93	122.37
18	A	851	WVN	C20-C23-C25	30.39	171.19	126.23
18	F	205	WVN	C12-C10-C06	-30.36	6.95	114.43
18	M	101	WVN	C24-C22-C19	30.32	164.40	118.09
18	A	850	WVN	C12-C10-C06	-30.31	7.14	114.43
18	F	204	WVN	C40-C39-C36	-30.27	61.58	123.52
18	A	850	WVN	C39-C40-C37	-30.11	61.92	123.52
18	F	204	WVN	C23-C25-C28	30.06	166.30	119.01
18	B	850	WVN	C24-C22-C19	30.01	163.93	118.09
18	F	205	WVN	C02-C05-C09	-29.96	84.61	121.47
18	I	102	WVN	C24-C22-C19	29.93	163.81	118.09
18	A	850	WVN	C33-C34-C37	-29.90	71.98	119.01
18	A	851	WVN	C23-C25-C28	29.57	165.52	119.01
18	L	201	WVN	C12-C10-C06	-29.49	10.05	114.43
18	L	209	WVN	C40-C39-C36	-29.38	63.40	123.52
18	L	209	WVN	C21-C15-C13	29.14	156.28	124.48
18	B	848	WVN	C40-C39-C36	-28.97	64.24	123.52
18	F	205	WVN	C39-C36-C32	-28.87	86.78	127.28
18	F	205	WVN	C24-C22-C19	28.73	161.98	118.09
18	A	851	WVN	C35-C32-C31	-28.65	74.32	118.09
18	A	853	WVN	C24-C22-C19	28.49	161.62	118.09
18	A	849	WVN	C24-C22-C19	28.49	161.61	118.09
18	B	848	WVN	C07-C01-C02	-28.45	66.45	109.55
18	L	209	WVN	C24-C22-C19	28.44	161.54	118.09
18	A	849	WVN	C23-C25-C28	28.40	163.69	119.01
18	A	852	WVN	C06-C13-C15	28.20	161.16	122.64
18	B	848	WVN	C18-C06-C10	-28.16	0.82	108.95
18	B	848	WVN	C24-C22-C19	28.11	161.03	118.09
18	F	205	WVN	C19-C22-C26	27.99	163.03	119.01
18	A	849	WVN	C35-C32-C31	-27.97	75.36	118.09
18	A	851	WVN	C17-C06-C10	-27.95	1.65	108.95
18	L	202	WVN	C39-C36-C32	27.79	166.25	127.28
18	F	204	WVN	C29-C26-C22	27.77	166.23	127.28
18	B	848	WVN	C08-C01-C02	-27.67	67.64	109.55
18	F	204	WVN	C31-C32-C36	-27.56	75.66	119.01
18	K	103	WVN	C18-C06-C10	-27.55	3.18	108.95

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	A	851	WVN	C24-C22-C19	27.54	160.16	118.09
18	A	850	WVN	C02-C05-C09	-27.54	87.59	121.47
18	M	101	WVN	C17-C06-C10	-27.45	3.56	108.95
18	A	852	WVN	C35-C32-C31	-27.42	76.20	118.09
18	M	101	WVN	C18-C06-C10	-27.41	3.71	108.95
18	A	852	WVN	C29-C26-C22	27.31	165.57	127.28
18	L	202	WVN	C24-C22-C19	27.20	159.63	118.09
18	L	209	WVN	C06-C13-C15	27.18	159.76	122.64
18	K	103	WVN	C29-C26-C22	27.17	165.38	127.28
18	K	103	WVN	C20-C23-C25	27.13	166.37	126.23
18	A	849	WVN	C08-C01-C02	-27.01	68.64	109.55
18	I	102	WVN	C02-C11-C19	26.99	166.57	124.58
18	B	850	WVN	C18-C06-C10	-26.97	5.41	108.95
18	A	851	WVN	C29-C26-C22	26.95	165.07	127.28
18	B	850	WVN	C17-C06-C10	-26.95	5.49	108.95
18	B	851	WVN	C17-C06-C10	-26.94	5.50	108.95
18	A	851	WVN	C18-C06-C10	-26.88	5.73	108.95
18	L	202	WVN	C40-C39-C36	-26.88	68.52	123.52
18	A	852	WVN	C17-C06-C10	-26.82	5.98	108.95
18	A	853	WVN	C18-C06-C10	-26.81	6.03	108.95
18	B	848	WVN	C17-C06-C10	-26.66	6.57	108.95
18	A	850	WVN	C29-C26-C22	26.62	164.61	127.28
18	B	848	WVN	C03-C04-C09	-26.57	67.49	112.07
18	A	849	WVN	C06-C13-C15	26.56	158.92	122.64
18	K	103	WVN	C17-C06-C10	-26.51	7.16	108.95
18	L	201	WVN	C24-C22-C19	26.48	158.54	118.09
18	B	851	WVN	C08-C01-C03	26.45	164.00	109.01
18	A	849	WVN	C17-C06-C10	-26.40	7.60	108.95
18	L	202	WVN	C18-C06-C10	-26.36	7.75	108.95
18	F	205	WVN	C06-C13-C15	26.23	158.47	122.64
18	L	202	WVN	C23-C25-C28	26.17	160.17	119.01
18	M	101	WVN	C19-C22-C26	26.15	160.14	119.01
18	A	849	WVN	C07-C01-C02	-26.12	69.98	109.55
18	A	853	WVN	C17-C06-C10	-26.07	8.86	108.95
18	L	209	WVN	C18-C06-C10	-26.03	8.99	108.95
18	I	102	WVN	C39-C40-C37	-26.01	70.30	123.52
18	A	849	WVN	C18-C06-C10	-25.92	9.43	108.95
18	B	851	WVN	C18-C06-C10	-25.79	9.92	108.95
18	A	852	WVN	C18-C06-C10	-25.74	10.12	108.95
18	K	103	WVN	C08-C01-C03	25.70	162.44	109.01
18	A	851	WVN	C19-C22-C26	25.59	159.26	119.01
18	K	103	WVN	C23-C25-C28	25.45	159.04	119.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	A	852	WVN	C24-C22-C19	25.45	156.96	118.09
18	M	101	WVN	C12-C14-C15	25.37	159.30	114.06
18	I	102	WVN	C17-C06-C10	-25.35	11.61	108.95
18	B	850	WVN	C07-C01-C02	-25.32	71.19	109.55
18	M	101	WVN	C29-C31-C32	-25.31	56.97	126.36
18	I	102	WVN	C18-C06-C10	-25.27	11.93	108.95
18	B	851	WVN	C24-C22-C19	25.25	156.66	118.09
18	L	202	WVN	C29-C31-C32	-25.04	57.70	126.36
18	L	201	WVN	C29-C31-C32	-25.02	57.76	126.36
18	L	202	WVN	C17-C06-C10	-25.02	12.90	108.95
18	B	850	WVN	C19-C22-C26	25.01	158.35	119.01
18	A	853	WVN	C29-C31-C32	-25.01	57.79	126.36
18	L	209	WVN	C17-C06-C10	-25.00	12.98	108.95
18	I	102	WVN	C06-C13-C15	24.93	156.69	122.64
18	L	209	WVN	C19-C22-C26	24.92	158.21	119.01
18	B	851	WVN	C07-C01-C03	24.90	160.79	109.01
18	A	849	WVN	C29-C31-C32	-24.87	58.16	126.36
18	K	103	WVN	C07-C01-C03	24.81	160.59	109.01
18	L	201	WVN	C39-C40-C37	-24.78	72.82	123.52
18	F	204	WVN	C20-C23-C25	24.74	162.84	126.23
18	K	103	WVN	C12-C14-C15	24.72	158.13	114.06
18	A	851	WVN	C29-C31-C32	-24.71	58.61	126.36
18	A	850	WVN	C29-C31-C32	-24.70	58.64	126.36
18	F	205	WVN	C23-C25-C28	24.69	157.85	119.01
18	I	102	WVN	C19-C22-C26	24.68	157.82	119.01
18	K	103	WVN	C29-C31-C32	-24.66	58.75	126.36
18	A	852	WVN	C29-C31-C32	-24.62	58.85	126.36
18	F	204	WVN	C29-C31-C32	-24.61	58.89	126.36
18	A	852	WVN	C39-C36-C32	24.59	161.76	127.28
18	F	205	WVN	C29-C31-C32	-24.54	59.06	126.36
18	A	853	WVN	C19-C22-C26	24.54	157.62	119.01
18	F	204	WVN	C19-C22-C26	24.52	157.58	119.01
18	B	850	WVN	C29-C31-C32	-24.50	59.20	126.36
18	A	849	WVN	C19-C22-C26	24.48	157.51	119.01
18	B	848	WVN	C29-C31-C32	-24.38	59.52	126.36
18	B	850	WVN	C40-C39-C36	-24.36	73.68	123.52
18	L	201	WVN	C39-C36-C32	24.35	161.42	127.28
18	B	850	WVN	C33-C34-C37	-24.28	80.82	119.01
18	L	201	WVN	C16-C05-C09	-24.27	40.81	122.37
18	B	851	WVN	C29-C31-C32	-24.26	59.83	126.36
18	F	204	WVN	C18-C06-C10	-24.26	15.79	108.95
18	F	204	WVN	C24-C22-C19	24.26	155.15	118.09

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	I	102	WVN	C29-C31-C32	-24.26	59.83	126.36
18	L	209	WVN	C29-C31-C32	-24.14	60.17	126.36
18	A	850	WVN	C38-C34-C33	-24.13	81.23	118.09
18	K	103	WVN	C19-C22-C26	24.12	156.95	119.01
18	B	848	WVN	C19-C22-C26	24.11	156.94	119.01
18	B	850	WVN	C08-C01-C02	-24.09	73.05	109.55
18	A	851	WVN	C12-C14-C15	24.06	156.96	114.06
18	B	848	WVN	C39-C40-C37	-23.98	74.45	123.52
18	A	850	WVN	C18-C06-C10	-23.94	17.04	108.95
18	A	852	WVN	C19-C22-C26	23.86	156.53	119.01
18	L	209	WVN	C39-C36-C32	23.66	160.46	127.28
18	B	851	WVN	C12-C14-C15	23.60	156.14	114.06
18	A	850	WVN	C17-C06-C10	-23.59	18.38	108.95
18	A	853	WVN	C29-C26-C22	23.52	160.26	127.28
18	L	209	WVN	C03-C04-C09	-23.49	72.65	112.07
18	F	204	WVN	C12-C14-C15	23.47	155.91	114.06
18	L	202	WVN	C12-C14-C15	23.40	155.78	114.06
18	F	204	WVN	C17-C06-C10	-23.33	19.38	108.95
18	L	201	WVN	C10-C12-C14	-23.25	60.15	111.28
18	A	852	WVN	C39-C40-C37	-23.23	75.98	123.52
18	L	201	WVN	C19-C22-C26	23.21	155.52	119.01
18	L	202	WVN	C29-C26-C22	23.20	159.82	127.28
18	B	850	WVN	C11-C19-C22	23.20	176.22	126.32
18	B	848	WVN	C29-C26-C22	23.19	159.80	127.28
18	A	850	WVN	C11-C19-C22	23.01	175.82	126.32
18	L	209	WVN	C12-C14-C15	22.98	155.02	114.06
18	L	201	WVN	C29-C26-C22	22.88	159.37	127.28
18	A	853	WVN	C12-C14-C15	22.77	154.66	114.06
18	B	848	WVN	C12-C14-C15	22.67	154.47	114.06
18	L	202	WVN	C39-C40-C37	-22.62	77.24	123.52
18	F	205	WVN	C03-C04-C09	-22.56	74.21	112.07
18	F	205	WVN	C10-C12-C14	-22.53	61.74	111.28
18	B	848	WVN	C06-C13-C15	22.45	153.31	122.64
18	L	209	WVN	C40-C37-C34	22.45	158.76	127.28
18	A	852	WVN	C12-C14-C15	22.43	154.05	114.06
18	F	205	WVN	C12-C14-C15	22.35	153.91	114.06
18	I	102	WVN	C12-C14-C15	22.33	153.87	114.06
18	M	101	WVN	C29-C26-C22	22.28	158.52	127.28
18	L	201	WVN	C11-C19-C22	22.26	174.21	126.32
18	K	103	WVN	C06-C13-C15	22.18	152.94	122.64
18	A	852	WVN	C07-C01-C03	22.16	155.09	109.01
18	A	849	WVN	C03-C04-C09	-22.13	74.94	112.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	A	852	WVN	C08-C01-C03	22.02	154.80	109.01
18	L	202	WVN	C19-C22-C26	21.70	153.14	119.01
18	B	851	WVN	C40-C37-C34	21.66	157.66	127.28
18	L	209	WVN	C29-C26-C22	21.45	157.35	127.28
18	L	202	WVN	C06-C13-C15	21.40	151.87	122.64
18	K	103	WVN	C27-C25-C23	21.36	150.72	118.09
18	A	849	WVN	C12-C14-C15	21.33	152.09	114.06
18	F	205	WVN	C16-C05-C09	-21.31	50.78	122.37
18	A	849	WVN	C29-C26-C22	21.01	156.74	127.28
18	A	850	WVN	C30-C33-C34	-20.92	69.00	126.36
14	A	842	CL7	O2A-CGA-O1A	-20.90	71.35	123.63
18	L	201	WVN	C18-C06-C10	-20.86	28.87	108.95
18	K	103	WVN	C24-C22-C19	20.81	149.88	118.09
18	A	852	WVN	C40-C39-C36	-20.72	81.13	123.52
18	B	851	WVN	C40-C39-C36	-20.70	81.17	123.52
18	A	851	WVN	C03-C04-C09	-20.68	77.38	112.07
18	B	849	WVN	C28-C25-C23	20.66	169.95	116.80
18	L	201	WVN	C17-C06-C10	-20.61	29.82	108.95
18	F	204	WVN	C39-C36-C32	20.56	156.12	127.28
18	A	851	WVN	C06-C13-C20	20.45	171.10	115.65
18	L	209	WVN	C38-C34-C33	20.31	149.11	118.09
14	A	848	CL7	O2A-CGA-O1A	-20.26	71.22	123.33
18	F	204	WVN	C06-C13-C15	20.10	150.09	122.64
18	F	205	WVN	C07-C01-C03	19.97	150.54	109.01
18	B	848	WVN	C08-C01-C03	19.89	150.37	109.01
18	B	851	WVN	C39-C36-C32	19.74	154.96	127.28
18	I	102	WVN	C29-C26-C22	19.73	154.95	127.28
18	A	852	WVN	C02-C11-C19	19.72	155.27	124.58
18	B	849	WVN	C24-C22-C26	-19.61	3.10	123.27
18	A	851	WVN	C07-C01-C03	19.48	149.51	109.01
18	B	851	WVN	C03-C04-C09	-19.47	79.41	112.07
18	F	205	WVN	C08-C01-C03	19.41	149.37	109.01
18	B	848	WVN	C07-C01-C03	19.34	149.23	109.01
18	M	101	WVN	C39-C40-C37	-19.31	84.00	123.52
18	B	849	WVN	C24-C22-C19	19.23	158.85	114.59
18	A	853	WVN	C40-C39-C36	-19.21	84.21	123.52
18	A	853	WVN	C02-C05-C09	-19.03	98.06	121.47
18	K	103	WVN	C39-C36-C32	19.00	153.92	127.28
18	K	103	WVN	C03-C04-C09	-18.98	80.22	112.07
18	B	848	WVN	C02-C11-C19	18.92	154.02	124.58
18	B	851	WVN	C19-C22-C26	18.81	148.59	119.01
18	A	851	WVN	C08-C01-C03	18.76	148.02	109.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	F	204	WVN	C21-C15-C14	18.73	153.52	113.60
18	F	204	WVN	C30-C33-C34	-18.72	75.04	126.36
18	L	201	WVN	C35-C32-C31	-18.60	89.68	118.09
18	A	852	WVN	C11-C19-C22	18.36	165.81	126.32
18	B	851	WVN	C06-C13-C15	18.33	147.68	122.64
18	B	849	WVN	C29-C26-C22	18.21	155.29	127.48
18	A	853	WVN	C39-C40-C37	-18.21	86.26	123.52
18	B	851	WVN	C39-C40-C37	-17.91	86.88	123.52
18	F	204	WVN	C39-C40-C37	-17.78	87.14	123.52
18	I	102	WVN	C21-C15-C14	17.61	151.14	113.60
18	L	202	WVN	C38-C34-C33	17.40	144.66	118.09
18	B	848	WVN	C11-C19-C22	17.32	163.59	126.32
18	L	202	WVN	C30-C33-C34	-17.25	79.07	126.36
18	I	102	WVN	C07-C01-C02	-17.20	83.50	109.55
18	I	102	WVN	C08-C01-C02	-17.03	83.75	109.55
18	A	853	WVN	C40-C37-C34	16.97	151.08	127.28
18	F	205	WVN	C18-C06-C10	-16.81	44.42	108.95
18	F	204	WVN	C11-C19-C22	16.77	162.41	126.32
18	K	103	WVN	C21-C15-C14	16.62	149.03	113.60
18	B	851	WVN	C11-C19-C22	16.54	161.91	126.32
18	M	101	WVN	C02-C11-C19	16.49	150.25	124.58
18	K	103	WVN	C30-C33-C34	-16.45	81.26	126.36
18	K	103	WVN	C40-C39-C36	-16.41	89.94	123.52
18	A	849	WVN	C21-C15-C14	16.40	148.56	113.60
18	A	852	WVN	C21-C15-C14	16.31	148.37	113.60
18	L	201	WVN	C30-C33-C34	-16.28	81.73	126.36
18	L	209	WVN	C08-C01-C03	16.22	142.74	109.01
18	B	850	WVN	C38-C34-C33	-16.17	93.39	118.09
18	M	101	WVN	C06-C13-C20	16.11	159.34	115.65
18	L	209	WVN	C07-C01-C03	16.09	142.46	109.01
18	F	205	WVN	C17-C06-C10	-16.05	47.33	108.95
18	A	853	WVN	C23-C20-C13	16.05	169.86	127.00
18	A	852	WVN	C06-C13-C20	16.00	159.04	115.65
18	B	851	WVN	C29-C26-C22	15.94	149.64	127.28
18	B	851	WVN	C30-C33-C34	-15.80	83.03	126.36
18	M	101	WVN	C23-C20-C13	15.71	168.97	127.00
18	A	853	WVN	C06-C13-C15	15.69	144.07	122.64
18	A	849	WVN	C06-C13-C20	15.67	158.15	115.65
18	F	205	WVN	C06-C13-C20	15.66	158.11	115.65
18	K	103	WVN	C11-C19-C22	15.61	159.89	126.32
18	L	202	WVN	C35-C32-C31	15.56	141.86	118.09
18	A	850	WVN	C07-C01-C03	15.51	141.26	109.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	L	209	WVN	C35-C32-C31	-15.49	94.42	118.09
18	A	853	WVN	C39-C36-C32	15.47	148.97	127.28
18	L	202	WVN	C07-C01-C03	15.43	141.09	109.01
18	A	851	WVN	C23-C20-C13	15.36	168.04	127.00
18	K	103	WVN	C23-C20-C13	15.29	167.85	127.00
18	B	849	WVN	C28-C30-C33	-15.25	88.54	123.42
18	F	204	WVN	C35-C32-C31	-15.25	94.79	118.09
18	B	850	WVN	C21-C15-C14	15.23	146.08	113.60
18	M	101	WVN	C30-C33-C34	-15.23	84.61	126.36
18	L	201	WVN	C02-C05-C09	-15.23	102.74	121.47
18	A	852	WVN	C03-C04-C09	-15.15	86.65	112.07
18	B	851	WVN	C21-C15-C14	15.13	145.86	113.60
18	A	850	WVN	C06-C13-C15	-15.06	102.06	122.64
18	L	202	WVN	C11-C19-C22	15.02	158.64	126.32
18	A	851	WVN	C30-C33-C34	-14.84	85.66	126.36
18	B	850	WVN	C23-C20-C13	14.79	166.50	127.00
18	L	209	WVN	C23-C20-C13	14.72	166.32	127.00
18	I	102	WVN	C30-C33-C34	-14.61	86.30	126.36
18	A	853	WVN	C11-C19-C22	14.58	157.68	126.32
18	L	201	WVN	C12-C14-C15	-14.55	88.11	114.06
18	B	848	WVN	C35-C32-C31	-14.53	95.89	118.09
18	L	202	WVN	C23-C20-C13	14.51	165.75	127.00
18	B	850	WVN	C30-C33-C34	-14.50	86.61	126.36
14	A	842	CL7	O2A-CGA-CBA	14.45	155.90	111.83
18	B	850	WVN	C12-C14-C15	-14.43	88.33	114.06
18	L	201	WVN	C23-C20-C13	14.41	165.49	127.00
18	A	850	WVN	C21-C15-C14	14.37	144.24	113.60
18	L	201	WVN	C06-C13-C15	-14.35	103.03	122.64
18	A	850	WVN	C08-C01-C03	14.10	138.33	109.01
18	A	850	WVN	C20-C23-C25	14.09	147.07	126.23
18	L	201	WVN	C07-C01-C02	-14.05	88.27	109.55
18	L	202	WVN	C08-C01-C03	13.89	137.89	109.01
18	L	201	WVN	C21-C15-C14	13.81	143.04	113.60
18	A	849	WVN	C07-C01-C03	13.78	137.66	109.01
18	A	849	WVN	C08-C01-C03	13.75	137.59	109.01
18	F	205	WVN	C26-C29-C31	-13.67	83.60	123.20
18	A	851	WVN	C21-C15-C14	13.63	142.66	113.60
18	A	850	WVN	C12-C14-C15	-13.62	89.77	114.06
18	B	848	WVN	C23-C20-C13	13.62	163.38	127.00
18	I	102	WVN	C08-C01-C03	13.60	137.28	109.01
18	L	202	WVN	C21-C15-C14	13.59	142.57	113.60
18	B	848	WVN	C30-C33-C34	-13.58	89.14	126.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	L	202	WVN	C31-C32-C36	13.56	140.34	119.01
18	B	849	WVN	C26-C29-C31	-13.54	91.88	123.63
18	A	851	WVN	C39-C36-C32	13.36	146.01	127.28
18	A	849	WVN	C23-C20-C13	13.31	162.56	127.00
18	A	851	WVN	C11-C19-C22	13.31	154.94	126.32
18	L	209	WVN	C30-C33-C34	-13.29	89.93	126.36
18	F	204	WVN	C23-C20-C13	13.01	161.75	127.00
18	L	209	WVN	C21-C15-C14	12.94	141.19	113.60
18	B	851	WVN	C23-C20-C13	12.87	161.37	127.00
18	L	201	WVN	C08-C01-C02	-12.80	90.15	109.55
18	A	852	WVN	C30-C33-C34	-12.75	91.41	126.36
18	A	849	WVN	C11-C19-C22	12.72	153.69	126.32
18	A	853	WVN	C21-C15-C14	12.69	140.65	113.60
18	A	853	WVN	C30-C33-C34	-12.65	91.66	126.36
18	I	102	WVN	C06-C13-C20	12.62	149.88	115.65
18	A	851	WVN	C28-C30-C33	-12.60	86.69	123.20
18	L	209	WVN	C11-C19-C22	12.49	153.19	126.32
18	I	102	WVN	C07-C01-C03	12.43	134.85	109.01
18	F	205	WVN	C38-C34-C33	-12.36	99.21	118.09
18	A	852	WVN	C28-C30-C33	-12.35	87.42	123.20
18	A	849	WVN	C30-C33-C34	-12.32	92.58	126.36
18	A	852	WVN	C23-C20-C13	12.20	159.58	127.00
18	B	849	WVN	C34-C33-C30	-12.10	84.26	125.56
18	B	848	WVN	C21-C15-C14	11.80	138.76	113.60
18	B	850	WVN	C28-C30-C33	-11.79	89.04	123.20
18	L	201	WVN	C30-C28-C25	11.76	143.78	127.28
18	B	850	WVN	C02-C11-C19	-11.73	106.32	124.58
18	A	849	WVN	C28-C30-C33	-11.72	89.24	123.20
18	A	853	WVN	C28-C30-C33	-11.65	89.45	123.20
18	F	205	WVN	C39-C40-C37	-11.64	99.70	123.52
18	L	209	WVN	C02-C11-C19	11.58	142.60	124.58
18	A	849	WVN	C40-C37-C34	-11.57	111.05	127.28
18	F	205	WVN	C30-C33-C34	-11.56	94.66	126.36
18	A	853	WVN	C08-C01-C03	11.53	132.98	109.01
18	A	851	WVN	C26-C29-C31	-11.53	89.80	123.20
18	M	101	WVN	C39-C36-C32	11.45	143.34	127.28
18	I	102	WVN	C23-C20-C13	11.36	157.35	127.00
18	B	848	WVN	C28-C30-C33	-11.32	90.40	123.20
18	M	101	WVN	C21-C15-C14	11.31	137.70	113.60
18	A	853	WVN	C07-C01-C03	11.26	132.42	109.01
18	F	204	WVN	C06-C13-C20	11.16	145.93	115.65
18	I	102	WVN	C11-C19-C22	11.14	150.28	126.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
18	M	101	WVN	C11-C19-C22	11.03	150.04	126.32
18	K	103	WVN	C06-C13-C20	10.96	145.38	115.65
18	F	204	WVN	C07-C01-C03	10.93	131.74	109.01
18	M	101	WVN	C40-C37-C34	-10.92	111.96	127.28
18	L	202	WVN	C30-C28-C25	10.92	142.59	127.28
18	L	209	WVN	C28-C30-C33	-10.79	91.95	123.20
18	B	851	WVN	C26-C29-C31	-10.76	92.02	123.20
18	K	103	WVN	C28-C30-C33	-10.76	92.03	123.20
18	I	102	WVN	C28-C30-C33	-10.55	92.63	123.20
18	I	102	WVN	C26-C29-C31	-10.53	92.69	123.20
18	F	205	WVN	C28-C30-C33	-10.50	92.78	123.20
18	F	204	WVN	C08-C01-C03	10.46	130.75	109.01
14	A	848	CL7	O1A-CGA-CBA	10.45	156.23	123.09
18	K	103	WVN	C26-C29-C31	-10.44	92.94	123.20
18	M	101	WVN	C28-C30-C33	-10.37	93.15	123.20
18	L	209	WVN	C06-C13-C20	10.29	143.56	115.65
18	B	851	WVN	C30-C28-C25	-10.21	112.96	127.28
18	B	848	WVN	C38-C34-C33	10.13	133.56	118.09
18	A	853	WVN	C26-C29-C31	-10.03	94.13	123.20
14	B	835	CL7	CMD-C2D-C1D	10.03	140.69	125.42
14	A	842	CL7	O1A-CGA-CBA	-10.03	84.57	123.78
18	A	851	WVN	C02-C11-C19	10.00	140.14	124.58
18	L	202	WVN	C03-C04-C09	-9.98	95.33	112.07
18	B	849	WVN	C35-C32-C31	-9.92	65.91	112.96
18	A	852	WVN	C26-C29-C31	-9.91	94.50	123.20
18	L	201	WVN	C28-C30-C33	-9.88	94.56	123.20
18	A	850	WVN	C03-C04-C09	-9.85	95.53	112.07
18	A	850	WVN	C02-C11-C19	9.79	139.81	124.58
18	F	205	WVN	C21-C15-C13	9.63	134.99	124.48
14	B	840	CL7	CMD-C2D-C1D	9.61	140.05	125.42
18	M	101	WVN	C08-C01-C03	9.60	128.96	109.01
14	B	828	CL7	CMD-C2D-C1D	9.48	139.86	125.42
18	L	209	WVN	C33-C34-C37	9.44	133.87	119.01
14	F	201	CL7	CMD-C2D-C1D	9.43	139.78	125.42
14	A	839	CL7	CMD-C2D-C1D	9.35	139.66	125.42
18	L	202	WVN	C28-C30-C33	-9.34	96.13	123.20
18	L	202	WVN	C06-C13-C20	9.31	140.89	115.65
18	B	849	WVN	C30-C28-C25	-9.26	114.30	127.28
18	L	201	WVN	C26-C29-C31	-9.25	96.41	123.20
18	A	849	WVN	C02-C11-C19	9.18	138.87	124.58
18	B	850	WVN	C31-C32-C36	9.18	133.44	119.01
14	A	841	CL7	CMD-C2D-C1D	9.17	139.39	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	848	CL7	O2A-CGA-CBA	-9.17	85.02	114.00
14	B	838	CL7	CMD-C2D-C1D	9.16	139.36	125.42
14	B	814	CL7	CMD-C2D-C1D	9.15	139.35	125.42
14	F	202	CL7	CMD-C2D-C1D	9.14	139.33	125.42
14	A	804	CL7	CMD-C2D-C1D	9.10	139.28	125.42
14	B	819	CL7	CMD-C2D-C1D	9.06	139.22	125.42
14	B	816	CL7	CMD-C2D-C1D	9.04	139.19	125.42
14	B	839	CL7	CMD-C2D-C1D	9.03	139.17	125.42
14	A	811	CL7	CMD-C2D-C1D	9.00	139.12	125.42
14	B	842	CL7	CMD-C2D-C1D	8.99	139.11	125.42
14	A	814	CL7	CMD-C2D-C1D	8.97	139.08	125.42
14	K	101	CL7	CMD-C2D-C1D	8.97	139.08	125.42
14	A	831	CL7	CMD-C2D-C1D	8.96	139.06	125.42
14	A	805	CL7	CMD-C2D-C1D	8.93	139.02	125.42
14	A	855	CL7	CMD-C2D-C1D	8.93	139.02	125.42
14	A	838	CL7	CMD-C2D-C1D	8.92	139.00	125.42
14	A	806	CL7	CMD-C2D-C1D	8.90	138.97	125.42
18	B	850	WVN	C29-C26-C22	-8.87	114.84	127.28
14	B	834	CL7	CMD-C2D-C1D	8.87	138.92	125.42
14	B	836	CL7	CMD-C2D-C1D	8.86	138.90	125.42
18	B	851	WVN	C33-C34-C37	-8.85	105.09	119.01
14	A	833	CL7	CMD-C2D-C1D	8.85	138.89	125.42
14	A	809	CL7	CMD-C2D-C1D	8.84	138.89	125.42
14	A	810	CL7	CMD-C2D-C1D	8.84	138.88	125.42
14	A	832	CL7	CMD-C2D-C1D	8.83	138.87	125.42
18	A	850	WVN	C26-C29-C31	-8.83	97.61	123.20
14	A	813	CL7	CMD-C2D-C1D	8.82	138.85	125.42
18	A	850	WVN	C40-C37-C34	-8.81	114.92	127.28
18	M	101	WVN	C26-C29-C31	-8.81	97.68	123.20
14	K	102	CL7	CMD-C2D-C1D	8.81	138.83	125.42
14	B	817	CL7	CMD-C2D-C1D	8.80	138.82	125.42
14	B	837	CL7	CMD-C2D-C1D	8.80	138.82	125.42
14	A	835	CL7	CMD-C2D-C1D	8.78	138.79	125.42
14	A	828	CL7	CMD-C2D-C1D	8.78	138.79	125.42
14	B	818	CL7	CMD-C2D-C1D	8.75	138.74	125.42
18	F	205	WVN	C02-C11-C19	8.75	138.20	124.58
14	B	804	CL7	CMD-C2D-C1D	8.72	138.69	125.42
14	B	810	CL7	CMD-C2D-C1D	8.70	138.67	125.42
14	F	203	CL7	CMD-C2D-C1D	8.70	138.66	125.42
14	B	823	CL7	CMD-C2D-C1D	8.68	138.63	125.42
14	A	818	CL7	CMD-C2D-C1D	8.65	138.59	125.42
14	B	831	CL7	CMD-C2D-C1D	8.65	138.59	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	807	CL7	CMD-C2D-C1D	8.65	138.59	125.42
18	B	850	WVN	C39-C36-C32	8.65	139.41	127.28
14	L	204	CL7	CMD-C2D-C1D	8.64	138.58	125.42
14	A	812	CL7	CMD-C2D-C1D	8.64	138.57	125.42
18	B	851	WVN	C02-C11-C19	8.60	137.96	124.58
14	B	845	CL7	CMD-C2D-C1D	8.56	138.46	125.42
14	B	809	CL7	CMD-C2D-C1D	8.55	138.44	125.42
14	B	844	CL7	CMD-C2D-C1D	8.55	138.44	125.42
18	B	848	WVN	C06-C13-C20	8.54	138.80	115.65
18	B	850	WVN	C23-C25-C28	8.52	132.40	119.01
14	B	824	CL7	CMD-C2D-C1D	8.51	138.38	125.42
14	A	845	CL7	CMD-C2D-C1D	8.51	138.37	125.42
14	B	808	CL7	CMD-C2D-C1D	8.50	138.36	125.42
18	M	101	WVN	C07-C01-C03	8.49	126.65	109.01
18	M	101	WVN	C30-C28-C25	-8.48	115.38	127.28
14	B	821	CL7	CMD-C2D-C1D	8.46	138.30	125.42
18	B	851	WVN	C06-C13-C20	8.45	138.56	115.65
14	B	830	CL7	CMD-C2D-C1D	8.42	138.25	125.42
14	A	834	CL7	CMD-C2D-C1D	8.41	138.22	125.42
14	B	827	CL7	CMD-C2D-C1D	8.41	138.22	125.42
14	A	808	CL7	CMD-C2D-C1D	8.39	138.19	125.42
14	B	813	CL7	CMD-C2D-C1D	8.38	138.17	125.42
18	B	851	WVN	C28-C30-C33	-8.37	98.94	123.20
18	B	848	WVN	C30-C28-C25	-8.37	115.54	127.28
14	B	812	CL7	CMD-C2D-C1D	8.37	138.16	125.42
14	I	101	CL7	CMD-C2D-C1D	8.35	138.13	125.42
14	A	817	CL7	CMD-C2D-C1D	8.34	138.12	125.42
14	A	843	CL7	CMD-C2D-C1D	8.33	138.10	125.42
14	B	833	CL7	CMD-C2D-C1D	8.32	138.08	125.42
14	L	207	CL7	CMD-C2D-C1D	8.31	138.08	125.42
14	A	848	CL7	CMD-C2D-C1D	8.29	138.03	125.42
14	A	829	CL7	CMD-C2D-C1D	8.26	138.00	125.42
14	A	816	CL7	CMD-C2D-C1D	8.25	137.98	125.42
14	A	846	CL7	CMD-C2D-C1D	8.24	137.96	125.42
18	L	209	WVN	C26-C29-C31	-8.20	99.45	123.20
14	A	844	CL7	CMD-C2D-C1D	8.20	137.90	125.42
14	A	827	CL7	CMD-C2D-C1D	8.19	137.89	125.42
18	A	853	WVN	C06-C13-C20	8.19	137.86	115.65
14	A	826	CL7	CMD-C2D-C1D	8.17	137.86	125.42
18	F	205	WVN	C29-C26-C22	8.17	138.74	127.28
18	L	202	WVN	C26-C29-C31	8.14	146.78	123.20
14	A	823	CL7	CMD-C2D-C1D	8.14	137.81	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	822	CL7	CMD-C2D-C1D	8.11	137.77	125.42
14	B	805	CL7	CMD-C2D-C1D	8.07	137.70	125.42
14	A	822	CL7	CMD-C2D-C1D	8.04	137.66	125.42
14	A	819	CL7	CMD-C2D-C1D	8.02	137.63	125.42
14	B	811	CL7	CMD-C2D-C1D	7.99	137.58	125.42
18	A	849	WVN	C26-C29-C31	-7.98	100.07	123.20
14	A	840	CL7	CMD-C2D-C1D	7.97	137.56	125.42
18	I	102	WVN	C30-C28-C25	-7.96	116.12	127.28
14	A	821	CL7	CMD-C2D-C1D	7.89	137.44	125.42
14	A	820	CL7	CMD-C2D-C1D	7.81	137.31	125.42
14	B	821	CL7	O2D-CGD-CBD	7.76	124.80	111.23
18	K	103	WVN	C33-C34-C37	-7.75	106.81	119.01
18	A	850	WVN	C23-C20-C13	7.66	147.45	127.00
14	B	843	CL7	CMD-C2D-C1D	7.61	137.00	125.42
18	I	102	WVN	C40-C39-C36	-7.53	108.11	123.52
14	B	826	CL7	CMD-C2D-C1D	7.53	136.88	125.42
18	M	101	WVN	C33-C34-C37	-7.50	107.21	119.01
18	F	204	WVN	C28-C30-C33	-7.50	101.47	123.20
14	L	205	CL7	CMD-C2D-C1D	7.47	136.79	125.42
14	A	842	CL7	CMD-C2D-C1D	7.37	136.64	125.42
18	I	102	WVN	C38-C34-C33	7.22	129.12	118.09
14	B	815	CL7	CMD-C2D-C1D	7.22	136.41	125.42
14	A	841	CL7	C2C-C1C-NC	7.08	117.14	110.13
14	A	819	CL7	O2D-CGD-CBD	7.08	123.61	111.23
14	L	207	CL7	C2C-C1C-NC	7.06	117.12	110.13
14	A	803	CL7	CMD-C2D-C1D	7.06	136.17	125.42
14	B	827	CL7	O2D-CGD-CBD	6.93	123.34	111.23
14	B	836	CL7	CMA-C3A-C2A	-6.90	87.29	113.98
14	B	830	CL7	C2C-C1C-NC	6.90	116.96	110.13
14	B	807	CL7	CMD-C2D-C1D	6.86	135.87	125.42
14	A	811	CL7	O2D-CGD-CBD	6.82	123.15	111.23
14	A	820	CL7	C2C-C1C-NC	6.80	116.85	110.13
14	B	829	CL7	CMD-C2D-C1D	6.79	135.75	125.42
14	B	806	CL7	CMD-C2D-C1D	6.78	135.74	125.42
18	A	851	WVN	C39-C40-C37	-6.76	109.69	123.52
14	A	815	CL7	CMD-C2D-C1D	6.74	135.69	125.42
18	F	204	WVN	C26-C29-C31	-6.68	103.84	123.20
18	B	848	WVN	C26-C29-C31	-6.68	103.85	123.20
14	B	827	CL7	C2C-C1C-NC	6.63	116.68	110.13
14	A	836	CL7	C2C-C1C-NC	6.62	116.68	110.13
14	A	819	CL7	C2C-C1C-NC	6.57	116.63	110.13
14	B	835	CL7	C2C-C1C-NC	6.57	116.62	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	814	CL7	C2C-C1C-NC	6.57	116.62	110.13
12	A	801	G9R	CMD-C2D-C1D	6.55	136.26	124.73
14	B	840	CL7	O2D-CGD-CBD	6.52	122.64	111.23
14	B	802	CL7	O2D-CGD-CBD	6.48	122.56	111.23
14	A	814	CL7	CMA-C3A-C2A	-6.48	101.37	116.23
18	L	202	WVN	C33-C34-C37	6.46	129.17	119.01
14	B	838	CL7	C2C-C1C-NC	6.46	116.52	110.13
14	A	834	CL7	O2D-CGD-CBD	6.44	122.48	111.23
14	B	806	CL7	C1D-ND-C4D	-6.41	101.81	106.31
14	B	806	CL7	C2D-C1D-ND	6.41	116.97	110.33
18	A	850	WVN	C28-C30-C33	-6.38	104.71	123.20
18	A	849	WVN	C30-C28-C25	-6.36	118.35	127.28
14	F	203	CL7	C2C-C1C-NC	6.36	116.42	110.13
14	A	807	CL7	C2C-C1C-NC	6.34	116.40	110.13
14	A	813	CL7	C2C-C1C-NC	6.33	116.39	110.13
14	A	815	CL7	C2C-C1C-NC	6.31	116.37	110.13
14	B	826	CL7	C2C-C1C-NC	6.30	116.36	110.13
18	B	850	WVN	C06-C13-C15	-6.30	114.03	122.64
14	A	819	CL7	C3B-C2B-C1B	-6.29	99.76	107.17
14	A	818	CL7	C2C-C1C-NC	6.26	116.32	110.13
14	A	805	CL7	O2D-CGD-CBD	6.25	122.16	111.23
14	B	803	CL7	CMD-C2D-C1D	6.23	134.91	125.42
18	A	853	WVN	C30-C28-C25	-6.22	118.55	127.28
18	A	850	WVN	C24-C22-C19	6.22	127.59	118.09
14	B	822	CL7	C2C-C1C-NC	6.22	116.28	110.13
14	A	836	CL7	CMD-C2D-C1D	6.21	134.88	125.42
18	B	848	WVN	C40-C37-C34	-6.19	118.60	127.28
14	A	833	CL7	C2C-C1C-NC	6.18	116.24	110.13
14	B	829	CL7	C2C-C1C-NC	6.17	116.24	110.13
14	A	808	CL7	C2C-C1C-NC	6.17	116.23	110.13
14	A	810	CL7	C2C-C1C-NC	6.17	116.23	110.13
14	B	823	CL7	O2D-CGD-CBD	6.17	122.01	111.23
14	B	837	CL7	C2C-C1C-NC	6.16	116.23	110.13
14	B	816	CL7	C3B-C2B-C1B	-6.16	99.91	107.17
14	A	831	CL7	C2C-C1C-NC	6.16	116.22	110.13
14	A	836	CL7	CMA-C3A-C2A	-6.15	90.20	113.98
14	A	827	CL7	C3B-C2B-C1B	-6.14	99.93	107.17
14	A	842	CL7	O2D-CGD-CBD	6.14	121.96	111.23
14	B	809	CL7	C2C-C1C-NC	6.12	116.19	110.13
14	B	802	CL7	C2D-C1D-ND	6.12	116.67	110.33
18	K	103	WVN	C02-C11-C19	6.12	134.10	124.58
14	A	828	CL7	C2C-C1C-NC	6.11	116.18	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	I	101	CL7	C2C-C1C-NC	6.11	116.18	110.13
14	K	102	CL7	C2C-C1C-NC	6.11	116.17	110.13
14	B	816	CL7	C2C-C1C-NC	6.11	116.17	110.13
14	L	205	CL7	O2D-CGD-CBD	6.10	121.90	111.23
14	B	805	CL7	C2C-C1C-NC	6.09	116.15	110.13
14	A	834	CL7	C2C-C1C-NC	6.05	116.12	110.13
14	B	823	CL7	C2C-C1C-NC	6.05	116.11	110.13
14	A	835	CL7	C2C-C1C-NC	6.05	116.11	110.13
14	B	843	CL7	C2C-C1C-NC	6.05	116.11	110.13
14	A	844	CL7	C2C-C1C-NC	6.04	116.10	110.13
14	B	817	CL7	C2C-C1C-NC	6.01	116.08	110.13
14	B	839	CL7	C2C-C1C-NC	6.01	116.07	110.13
14	B	818	CL7	C2C-C1C-NC	6.01	116.07	110.13
18	F	204	WVN	C38-C34-C33	6.00	127.26	118.09
14	A	846	CL7	O2D-CGD-CBD	6.00	121.72	111.23
14	B	804	CL7	C2C-C1C-NC	5.99	116.06	110.13
14	A	805	CL7	C2C-C1C-NC	5.99	116.06	110.13
14	B	818	CL7	O2D-CGD-CBD	5.97	121.67	111.23
14	L	205	CL7	C2C-C1C-NC	5.96	116.02	110.13
14	A	810	CL7	C1D-ND-C4D	-5.96	102.13	106.31
14	B	833	CL7	C2C-C1C-NC	5.95	116.02	110.13
14	A	833	CL7	O2D-CGD-CBD	5.95	121.63	111.23
14	F	201	CL7	C2C-C1C-NC	5.95	116.02	110.13
12	A	801	G9R	C2C-C1C-NC	5.95	116.23	109.98
14	A	808	CL7	O2D-CGD-CBD	5.92	121.58	111.23
14	B	811	CL7	C2C-C1C-NC	5.92	115.99	110.13
14	A	806	CL7	C2C-C1C-NC	5.92	115.98	110.13
14	B	819	CL7	C2C-C1C-NC	5.91	115.98	110.13
14	B	807	CL7	C2D-C1D-ND	5.90	116.44	110.33
14	B	824	CL7	C2C-C1C-NC	5.90	115.96	110.13
14	A	811	CL7	C2C-C1C-NC	5.89	115.96	110.13
14	A	848	CL7	C2C-C1C-NC	5.89	115.96	110.13
14	B	831	CL7	C1D-ND-C4D	-5.89	102.18	106.31
14	A	829	CL7	C2C-C1C-NC	5.89	115.95	110.13
14	L	205	CL7	C1D-ND-C4D	-5.88	102.19	106.31
14	B	811	CL7	O2D-CGD-CBD	5.88	121.50	111.23
14	A	827	CL7	C2C-C1C-NC	5.87	115.94	110.13
14	B	842	CL7	C2C-C1C-NC	5.87	115.94	110.13
14	A	809	CL7	C2C-C1C-NC	5.86	115.93	110.13
14	A	826	CL7	C2C-C1C-NC	5.86	115.92	110.13
14	L	205	CL7	C2D-C1D-ND	5.86	116.40	110.33
14	A	814	CL7	C2C-C1C-NC	5.85	115.92	110.13

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	828	CL7	C2C-C1C-NC	5.85	115.91	110.13
14	B	810	CL7	CMA-C3A-C2A	-5.83	102.86	116.23
14	B	821	CL7	C2C-C1C-NC	5.83	115.89	110.13
14	B	807	CL7	C2C-C1C-NC	5.82	115.89	110.13
14	L	204	CL7	C2C-C1C-NC	5.82	115.89	110.13
14	A	822	CL7	C2C-C1C-NC	5.81	115.88	110.13
14	A	838	CL7	C2C-C1C-NC	5.81	115.88	110.13
14	B	806	CL7	C2C-C1C-NC	5.80	115.86	110.13
14	B	830	CL7	C3B-C2B-C1B	-5.80	100.34	107.17
14	B	816	CL7	O2D-CGD-CBD	5.79	121.35	111.23
14	A	806	CL7	CMA-C3A-C2A	-5.79	91.61	113.98
14	B	836	CL7	C2C-C1C-NC	5.76	115.83	110.13
14	B	830	CL7	C4-C3-C5	5.76	122.91	116.13
14	B	840	CL7	C1D-ND-C4D	-5.76	102.27	106.31
18	L	201	WVN	C33-C34-C37	5.75	128.06	119.01
14	A	832	CL7	C2C-C1C-NC	5.75	115.82	110.13
14	B	813	CL7	C2C-C1C-NC	5.74	115.81	110.13
18	A	849	WVN	C40-C39-C36	-5.74	111.77	123.52
14	F	202	CL7	C1D-ND-C4D	-5.74	102.28	106.31
14	B	810	CL7	O2D-CGD-CBD	5.74	121.26	111.23
14	A	812	CL7	C2C-C1C-NC	5.73	115.80	110.13
14	B	808	CL7	C2C-C1C-NC	5.73	115.80	110.13
14	A	842	CL7	C2C-C1C-NC	5.72	115.79	110.13
14	B	806	CL7	O2D-CGD-CBD	5.71	121.22	111.23
14	A	803	CL7	C2C-C1C-NC	5.71	115.78	110.13
14	A	855	CL7	C2C-C1C-NC	5.71	115.77	110.13
13	A	854	PHO	C4D-CHA-CBD	-5.70	105.72	108.45
14	A	838	CL7	O2D-CGD-CBD	5.69	121.18	111.23
14	A	817	CL7	C2C-C1C-NC	5.69	115.76	110.13
14	B	815	CL7	C2C-C1C-NC	5.68	115.75	110.13
14	A	846	CL7	C2C-C1C-NC	5.68	115.74	110.13
18	B	849	WVN	C19-C22-C26	5.68	158.04	123.27
14	B	818	CL7	C3B-C2B-C1B	-5.66	100.49	107.17
14	A	846	CL7	C3B-C2B-C1B	-5.66	100.49	107.17
14	A	845	CL7	C2C-C1C-NC	5.66	115.73	110.13
14	B	814	CL7	O2A-CGA-O1A	-5.66	109.47	123.63
14	B	803	CL7	C2C-C1C-NC	5.65	115.71	110.13
14	A	816	CL7	O2D-CGD-CBD	5.64	121.09	111.23
14	B	826	CL7	O2D-CGD-CBD	5.64	121.09	111.23
14	B	812	CL7	C2C-C1C-NC	5.63	115.70	110.13
14	A	804	CL7	C2C-C1C-NC	5.63	115.69	110.13
14	A	833	CL7	O2A-CGA-O1A	-5.61	109.60	123.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	L	204	CL7	C1D-ND-C4D	-5.61	102.38	106.31
14	B	831	CL7	O2D-CGD-CBD	5.60	121.03	111.23
14	K	101	CL7	C2C-C1C-NC	5.58	115.65	110.13
14	A	821	CL7	C2C-C1C-NC	5.58	115.65	110.13
14	A	829	CL7	CMA-C3A-C2A	-5.55	92.51	113.98
14	B	833	CL7	O2D-CGD-CBD	5.55	120.93	111.23
14	B	810	CL7	C2C-C1C-NC	5.55	115.62	110.13
14	B	830	CL7	C1D-ND-C4D	-5.55	102.42	106.31
14	A	840	CL7	C2D-C1D-ND	5.54	116.08	110.33
14	B	844	CL7	C2C-C1C-NC	5.53	115.60	110.13
14	B	845	CL7	C2C-C1C-NC	5.53	115.60	110.13
14	B	807	CL7	C1D-ND-C4D	-5.53	102.43	106.31
14	B	840	CL7	C2C-C1C-NC	5.53	115.59	110.13
14	A	807	CL7	O2D-CGD-CBD	5.53	120.89	111.23
14	L	204	CL7	C2D-C1D-ND	5.52	116.05	110.33
14	B	814	CL7	O2D-CGD-CBD	5.52	120.87	111.23
14	B	809	CL7	O2D-CGD-CBD	5.51	120.86	111.23
12	A	801	G9R	C1C-C2C-C3C	-5.50	101.19	106.98
14	A	848	CL7	C1D-ND-C4D	-5.50	102.45	106.31
14	A	840	CL7	O2A-CGA-O1A	-5.50	109.87	123.63
14	F	202	CL7	C2C-C1C-NC	5.50	115.56	110.13
14	A	831	CL7	O2D-CGD-CBD	5.49	120.83	111.23
14	B	829	CL7	C3B-C2B-C1B	-5.49	100.70	107.17
14	B	831	CL7	C2C-C1C-NC	5.48	115.55	110.13
14	B	812	CL7	O2D-CGD-CBD	5.48	120.81	111.23
14	B	831	CL7	C2D-C1D-ND	5.48	116.00	110.33
14	A	834	CL7	C3B-C2B-C1B	-5.47	100.72	107.17
14	A	843	CL7	C2C-C1C-NC	5.47	115.54	110.13
14	A	821	CL7	O2D-CGD-CBD	5.47	120.79	111.23
14	B	802	CL7	C3B-C2B-C1B	-5.46	100.73	107.17
14	B	834	CL7	C2C-C1C-NC	5.45	115.52	110.13
14	B	829	CL7	O2D-CGD-CBD	5.45	120.75	111.23
14	A	841	CL7	O2D-CGD-CBD	5.45	120.75	111.23
14	B	810	CL7	C3B-C2B-C1B	-5.44	100.76	107.17
14	B	822	CL7	O2D-CGD-CBD	5.43	120.72	111.23
14	A	822	CL7	C1D-ND-C4D	-5.43	102.50	106.31
14	B	802	CL7	C2C-C1C-NC	5.42	115.50	110.13
14	B	821	CL7	C2D-C1D-ND	5.42	115.95	110.33
14	B	844	CL7	O2D-CGD-CBD	5.42	120.71	111.23
14	A	805	CL7	C3B-C2B-C1B	-5.42	100.78	107.17
14	B	809	CL7	C3B-C2B-C1B	-5.42	100.78	107.17
14	A	828	CL7	O2D-CGD-CBD	5.40	120.68	111.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	839	CL7	C1D-ND-C4D	-5.39	102.53	106.31
14	A	829	CL7	O2D-CGD-CBD	5.39	120.65	111.23
14	F	202	CL7	C2D-C1D-ND	5.39	115.91	110.33
14	B	842	CL7	O2D-CGD-CBD	5.38	120.64	111.23
14	B	806	CL7	O2A-CGA-O1A	-5.37	110.19	123.63
14	B	829	CL7	C2D-C1D-ND	5.37	115.89	110.33
14	A	821	CL7	C2D-C1D-ND	5.36	115.89	110.33
14	B	813	CL7	O2A-CGA-O1A	-5.36	110.22	123.63
14	B	835	CL7	C3B-C2B-C1B	-5.35	100.86	107.17
14	B	803	CL7	C2D-C1D-ND	5.35	115.88	110.33
14	B	842	CL7	CMA-C3A-C2A	-5.35	93.29	113.98
14	A	839	CL7	C2D-C1D-ND	5.35	115.88	110.33
14	B	834	CL7	O2D-CGD-CBD	5.34	120.57	111.23
14	A	817	CL7	C2D-C1D-ND	5.33	115.85	110.33
14	B	836	CL7	C3B-C2B-C1B	-5.32	100.89	107.17
14	B	817	CL7	C1D-ND-C4D	-5.32	102.58	106.31
14	A	823	CL7	C1D-ND-C4D	-5.32	102.58	106.31
14	L	204	CL7	C3B-C2B-C1B	-5.32	100.90	107.17
14	A	822	CL7	C2D-C1D-ND	5.31	115.84	110.33
14	B	823	CL7	C1D-ND-C4D	-5.31	102.58	106.31
14	B	845	CL7	O2D-CGD-CBD	5.31	120.51	111.23
14	A	810	CL7	C2D-C1D-ND	5.31	115.83	110.33
14	B	844	CL7	C1D-ND-C4D	-5.30	102.59	106.31
14	A	823	CL7	C2C-C1C-NC	5.30	115.37	110.13
14	B	836	CL7	C1D-ND-C4D	-5.30	102.60	106.31
14	A	810	CL7	O2D-CGD-CBD	5.28	120.46	111.23
14	B	835	CL7	O2D-CGD-CBD	5.28	120.45	111.23
14	B	812	CL7	C3B-C2B-C1B	-5.28	100.95	107.17
14	B	805	CL7	O2D-CGD-CBD	5.27	120.45	111.23
18	A	851	WVN	C38-C34-C33	5.27	126.14	118.09
14	A	807	CL7	C3B-C2B-C1B	-5.27	100.96	107.17
14	A	821	CL7	C1D-ND-C4D	-5.27	102.61	106.31
14	B	815	CL7	C3B-C2B-C1B	-5.27	100.96	107.17
14	B	838	CL7	C1D-ND-C4D	-5.27	102.61	106.31
14	L	204	CL7	O2D-CGD-CBD	5.27	120.44	111.23
14	B	810	CL7	C1D-ND-C4D	-5.26	102.62	106.31
14	A	818	CL7	O2A-CGA-O1A	-5.26	110.47	123.63
14	A	804	CL7	C1D-ND-C4D	-5.25	102.63	106.31
12	A	801	G9R	O2A-CGA-O1A	-5.25	110.51	123.63
14	B	803	CL7	C1D-ND-C4D	-5.23	102.64	106.31
14	B	830	CL7	O2A-CGA-O1A	-5.23	110.54	123.63
12	A	801	G9R	C3D-C2D-C1D	-5.23	98.69	105.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	804	CL7	C2D-C1D-ND	5.23	115.75	110.33
14	B	827	CL7	C3B-C2B-C1B	-5.22	101.01	107.17
14	K	101	CL7	C3B-C2B-C1B	-5.22	101.01	107.17
14	A	818	CL7	C2D-C1D-ND	5.22	115.74	110.33
14	B	837	CL7	C1D-ND-C4D	-5.22	102.65	106.31
14	A	816	CL7	C2D-C1D-ND	5.21	115.73	110.33
14	A	821	CL7	O2A-CGA-O1A	-5.21	110.60	123.63
14	A	836	CL7	C3B-C2B-C1B	-5.20	101.03	107.17
14	I	101	CL7	C1D-ND-C4D	-5.20	102.66	106.31
14	A	808	CL7	C3B-C2B-C1B	-5.20	101.04	107.17
14	A	831	CL7	C3B-C2B-C1B	-5.20	101.04	107.17
14	B	813	CL7	C3B-C2B-C1B	-5.20	101.04	107.17
14	A	809	CL7	C3B-C2B-C1B	-5.20	101.04	107.17
14	A	845	CL7	C1D-ND-C4D	-5.20	102.67	106.31
14	B	802	CL7	C1D-ND-C4D	-5.19	102.67	106.31
14	A	812	CL7	C3B-C2B-C1B	-5.19	101.05	107.17
14	A	833	CL7	O2A-CGA-CBA	5.19	127.65	111.83
14	B	826	CL7	C1D-ND-C4D	-5.18	102.67	106.31
14	F	201	CL7	O2D-CGD-CBD	5.18	120.29	111.23
14	B	805	CL7	C2D-C1D-ND	5.18	115.70	110.33
14	B	819	CL7	O2D-CGD-CBD	5.18	120.29	111.23
14	F	203	CL7	O2D-CGD-CBD	5.17	120.27	111.23
14	A	848	CL7	C2D-C1D-ND	5.17	115.68	110.33
14	A	848	CL7	O2D-CGD-CBD	5.17	120.26	111.23
14	A	841	CL7	C3B-C2B-C1B	-5.16	101.08	107.17
14	B	842	CL7	C3B-C2B-C1B	-5.16	101.08	107.17
14	B	812	CL7	C2D-C1D-ND	5.16	115.67	110.33
14	A	840	CL7	C1D-ND-C4D	-5.16	102.69	106.31
14	A	813	CL7	O2D-CGD-CBD	5.15	120.24	111.23
14	A	822	CL7	C3B-C2B-C1B	-5.15	101.10	107.17
14	A	846	CL7	C2D-C1D-ND	5.15	115.67	110.33
14	A	844	CL7	C3B-C2B-C1B	-5.15	101.10	107.17
14	B	837	CL7	C2D-C1D-ND	5.15	115.66	110.33
14	A	811	CL7	C3B-C2B-C1B	-5.15	101.10	107.17
14	K	101	CL7	C1D-ND-C4D	-5.14	102.70	106.31
14	A	828	CL7	O2A-CGA-O1A	-5.14	110.77	123.63
14	B	833	CL7	O2A-CGA-O1A	-5.14	110.77	123.63
14	L	207	CL7	C1D-ND-C4D	-5.14	102.70	106.31
14	A	809	CL7	O2D-CGD-CBD	5.14	120.21	111.23
14	I	101	CL7	C2D-C1D-ND	5.13	115.65	110.33
14	B	833	CL7	C3B-C2B-C1B	-5.13	101.12	107.17
14	B	805	CL7	C3B-C2B-C1B	-5.13	101.13	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	817	CL7	C3B-C2B-C1B	-5.12	101.13	107.17
14	B	808	CL7	O2A-CGA-O1A	-5.12	110.81	123.63
14	F	201	CL7	C3B-C2B-C1B	-5.11	101.14	107.17
14	B	802	CL7	O2A-CGA-O1A	-5.11	110.84	123.63
14	A	807	CL7	C1D-ND-C4D	-5.11	102.73	106.31
14	A	828	CL7	C2D-C1D-ND	5.11	115.62	110.33
14	A	827	CL7	C2D-C1D-ND	5.10	115.62	110.33
14	A	829	CL7	C3B-C2B-C1B	-5.10	101.15	107.17
14	L	207	CL7	O2A-CGA-O1A	-5.10	110.87	123.63
18	F	205	WVN	C33-C34-C37	-5.10	110.99	119.01
14	A	816	CL7	C2C-C1C-NC	5.10	115.17	110.13
14	B	823	CL7	C3B-C2B-C1B	-5.09	101.17	107.17
17	L	203	LMT	C1'-O5'-C5'	5.09	123.66	113.72
14	B	830	CL7	O2D-CGD-CBD	5.09	120.13	111.23
14	I	101	CL7	O2D-CGD-CBD	5.09	120.13	111.23
14	B	845	CL7	O2A-CGA-O1A	-5.09	110.89	123.63
14	B	840	CL7	O2A-CGA-O1A	-5.08	110.91	123.63
14	A	845	CL7	C2D-C1D-ND	5.08	115.59	110.33
12	A	801	G9R	C2D-C1D-ND	5.08	115.15	110.13
14	B	817	CL7	C3B-C2B-C1B	-5.08	101.18	107.17
14	K	101	CL7	O2D-CGD-CBD	5.08	120.11	111.23
14	A	816	CL7	C1D-ND-C4D	-5.08	102.75	106.31
14	B	831	CL7	C3B-C2B-C1B	-5.08	101.19	107.17
14	B	815	CL7	O2D-CGD-CBD	5.07	120.10	111.23
14	I	101	CL7	C3B-C2B-C1B	-5.07	101.19	107.17
14	K	102	CL7	C3B-C2B-C1B	-5.07	101.20	107.17
14	A	814	CL7	C1D-ND-C4D	-5.06	102.76	106.31
14	A	833	CL7	C3B-C2B-C1B	-5.06	101.21	107.17
14	A	843	CL7	O2D-CGD-CBD	5.05	120.06	111.23
14	B	823	CL7	C2D-C1D-ND	5.05	115.56	110.33
14	B	834	CL7	C3B-C2B-C1B	-5.05	101.22	107.17
14	B	828	CL7	O2D-CGD-CBD	5.04	120.05	111.23
14	B	839	CL7	C1D-ND-C4D	-5.04	102.78	106.31
14	A	836	CL7	C2D-C1D-ND	5.04	115.55	110.33
14	A	848	CL7	C3B-C2B-C1B	-5.04	101.23	107.17
14	A	807	CL7	O2A-CGA-O1A	-5.04	111.03	123.63
14	A	819	CL7	O2A-CGA-O1A	-5.03	111.04	123.63
17	B	841	LMT	C1B-O5B-C5B	5.03	123.54	113.72
14	A	839	CL7	C2C-C1C-NC	5.03	115.10	110.13
18	L	209	WVN	C39-C40-C37	-5.03	113.23	123.52
14	L	204	CL7	O2A-CGA-O1A	-5.03	111.05	123.63
14	A	810	CL7	C3B-C2B-C1B	-5.02	101.25	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	843	CL7	C3B-C2B-C1B	-5.02	101.25	107.17
14	A	811	CL7	C2D-C1D-ND	5.01	115.52	110.33
14	B	836	CL7	O2D-CGD-CBD	5.01	119.98	111.23
14	B	837	CL7	C3B-C2B-C1B	-5.01	101.27	107.17
14	A	836	CL7	O2D-CGD-CBD	5.00	119.98	111.23
14	B	811	CL7	C2D-C1D-ND	5.00	115.52	110.33
14	B	804	CL7	O2D-CGD-CBD	5.00	119.97	111.23
14	B	844	CL7	C2D-C1D-ND	5.00	115.51	110.33
14	B	802	CL7	CMD-C2D-C1D	4.99	133.02	125.42
14	B	822	CL7	O2A-CGA-O1A	-4.99	111.14	123.63
14	A	832	CL7	C1D-ND-C4D	-4.99	102.81	106.31
14	A	844	CL7	O2A-CGA-O1A	-4.98	111.16	123.63
14	B	838	CL7	C2D-C1D-ND	4.98	115.49	110.33
14	A	828	CL7	C1D-ND-C4D	-4.98	102.82	106.31
14	B	839	CL7	C3B-C2B-C1B	-4.97	101.31	107.17
14	K	102	CL7	O2D-CGD-CBD	4.97	119.92	111.23
14	B	829	CL7	O2A-CGA-O1A	-4.97	111.19	123.63
14	A	833	CL7	C1D-ND-C4D	-4.96	102.83	106.31
14	A	845	CL7	O2A-CGA-O1A	-4.96	111.21	123.63
14	B	810	CL7	C2D-C1D-ND	4.96	115.47	110.33
14	B	826	CL7	O2A-CGA-O1A	-4.96	111.22	123.63
14	A	835	CL7	O2D-CGD-CBD	4.96	119.90	111.23
14	A	826	CL7	C1D-ND-C4D	-4.96	102.83	106.31
14	B	838	CL7	O2D-CGD-CBD	4.96	119.89	111.23
14	A	815	CL7	O2A-CGA-O1A	-4.95	111.25	123.63
14	B	808	CL7	C3B-C2B-C1B	-4.95	101.34	107.17
14	A	831	CL7	C1D-ND-C4D	-4.94	102.84	106.31
14	F	201	CL7	C1D-ND-C4D	-4.93	102.85	106.31
14	A	834	CL7	C2D-C1D-ND	4.93	115.44	110.33
14	A	832	CL7	C3B-C2B-C1B	-4.93	101.36	107.17
14	B	803	CL7	C3B-C2B-C1B	-4.92	101.36	107.17
14	A	815	CL7	C3B-C2B-C1B	-4.92	101.37	107.17
14	A	811	CL7	C1D-ND-C4D	-4.92	102.86	106.31
14	A	855	CL7	C2D-C1D-ND	4.92	115.42	110.33
14	A	807	CL7	C2D-C1D-ND	4.91	115.42	110.33
14	B	817	CL7	C2D-C1D-ND	4.91	115.42	110.33
14	B	815	CL7	C2D-C1D-ND	4.91	115.42	110.33
14	B	818	CL7	O2A-CGA-O1A	-4.91	111.34	123.63
14	L	205	CL7	O2A-CGA-O1A	-4.91	111.34	123.63
14	B	843	CL7	O2D-CGD-CBD	4.91	119.81	111.23
14	B	813	CL7	C2D-C1D-ND	4.91	115.42	110.33
14	A	828	CL7	CMA-C3A-C2A	-4.91	95.02	113.98

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	823	CL7	C2D-C1D-ND	4.90	115.40	110.33
14	B	821	CL7	C3B-C2B-C1B	-4.89	101.41	107.17
14	B	813	CL7	O2A-CGA-CBA	4.89	126.74	111.83
14	B	842	CL7	C1D-ND-C4D	-4.89	102.88	106.31
14	A	818	CL7	C1D-ND-C4D	-4.88	102.89	106.31
14	B	824	CL7	O2D-CGD-CBD	4.88	119.76	111.23
14	A	826	CL7	C2D-C1D-ND	4.87	115.38	110.33
14	B	831	CL7	O2A-CGA-O1A	-4.87	111.44	123.63
14	B	843	CL7	C2D-C1D-ND	4.87	115.38	110.33
14	B	844	CL7	O2A-CGA-O1A	-4.87	111.44	123.63
14	A	855	CL7	O2D-CGD-CBD	4.87	119.74	111.23
14	B	806	CL7	C3B-C2B-C1B	-4.87	101.43	107.17
14	B	819	CL7	C3B-C2B-C1B	-4.87	101.43	107.17
14	B	826	CL7	C2D-C1D-ND	4.86	115.36	110.33
13	A	802	PHO	C4D-CHA-CBD	-4.86	106.12	108.45
18	M	101	WVN	C01-C02-C11	-4.86	107.24	112.83
14	A	803	CL7	C2D-C1D-ND	4.85	115.36	110.33
14	B	839	CL7	O2A-CGA-O1A	-4.85	110.86	123.33
14	A	832	CL7	C2D-C1D-ND	4.84	115.35	110.33
14	A	855	CL7	C1D-ND-C4D	-4.84	102.91	106.31
14	B	819	CL7	C2D-C1D-ND	4.84	115.34	110.33
14	A	818	CL7	C3B-C2B-C1B	-4.84	101.47	107.17
14	B	828	CL7	O2A-CGA-O1A	-4.83	110.91	123.33
14	A	833	CL7	C2D-C1D-ND	4.83	115.33	110.33
14	A	840	CL7	C3B-C2B-C1B	-4.83	101.48	107.17
14	A	836	CL7	O2A-CGA-O1A	-4.83	111.56	123.63
14	A	813	CL7	O2A-CGA-O1A	-4.82	111.56	123.63
14	B	815	CL7	C1D-ND-C4D	-4.82	102.93	106.31
14	B	804	CL7	C3B-C2B-C1B	-4.82	101.49	107.17
14	A	816	CL7	O2A-CGA-O1A	-4.81	111.59	123.63
14	A	804	CL7	C2D-C1D-ND	4.80	115.31	110.33
14	A	809	CL7	C1D-ND-C4D	-4.80	102.94	106.31
14	B	824	CL7	C1D-ND-C4D	-4.80	102.94	106.31
14	B	812	CL7	C1D-ND-C4D	-4.80	102.95	106.31
14	B	833	CL7	C1D-ND-C4D	-4.79	102.95	106.31
14	B	822	CL7	C3B-C2B-C1B	-4.79	101.52	107.17
14	A	809	CL7	O2A-CGA-O1A	-4.79	111.64	123.63
14	B	822	CL7	C2D-C1D-ND	4.79	115.29	110.33
14	A	812	CL7	C1D-ND-C4D	-4.79	102.95	106.31
14	A	838	CL7	C1D-ND-C4D	-4.79	102.95	106.31
14	B	827	CL7	O2A-CGA-O1A	-4.79	111.02	123.33
14	B	809	CL7	O2A-CGA-O1A	-4.78	111.04	123.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	808	CL7	C2D-C1D-ND	4.78	115.28	110.33
14	B	834	CL7	C1D-ND-C4D	-4.78	102.96	106.31
14	A	843	CL7	C1D-ND-C4D	-4.77	102.96	106.31
14	A	820	CL7	C2D-C1D-ND	4.77	115.28	110.33
14	A	842	CL7	C2D-C1D-ND	4.77	115.28	110.33
14	B	826	CL7	C3B-C2B-C1B	-4.77	101.55	107.17
14	A	832	CL7	O2A-CGA-O1A	-4.77	111.69	123.63
14	F	203	CL7	C1D-ND-C4D	-4.77	102.97	106.31
14	L	207	CL7	C3B-C2B-C1B	-4.76	101.56	107.17
14	B	844	CL7	C3B-C2B-C1B	-4.76	101.56	107.17
14	A	842	CL7	C3B-C2B-C1B	-4.76	101.56	107.17
14	B	815	CL7	O2A-CGA-O1A	-4.76	111.73	123.63
14	L	205	CL7	C3B-C2B-C1B	-4.75	101.56	107.17
14	B	816	CL7	O2A-CGA-O1A	-4.75	111.11	123.33
14	K	102	CL7	O2A-CGA-O1A	-4.74	111.14	123.33
14	A	846	CL7	C1D-ND-C4D	-4.74	102.98	106.31
14	F	203	CL7	C3B-C2B-C1B	-4.73	101.59	107.17
14	B	824	CL7	O2A-CGA-O1A	-4.73	111.79	123.63
14	A	806	CL7	C3B-C2B-C1B	-4.73	101.59	107.17
14	B	805	CL7	C1D-ND-C4D	-4.73	102.99	106.31
14	F	202	CL7	O2D-CGD-CBD	4.72	119.48	111.23
14	B	842	CL7	C2D-C1D-ND	4.72	115.22	110.33
14	A	834	CL7	C1D-ND-C4D	-4.72	103.00	106.31
14	B	819	CL7	O2A-CGA-O1A	-4.72	111.83	123.63
14	A	826	CL7	C3B-C2B-C1B	-4.72	101.61	107.17
14	A	838	CL7	C3B-C2B-C1B	-4.71	101.61	107.17
14	A	804	CL7	C3B-C2B-C1B	-4.71	101.62	107.17
14	B	811	CL7	C1D-ND-C4D	-4.71	103.01	106.31
14	B	842	CL7	O2A-CGA-O1A	-4.71	111.22	123.33
14	A	838	CL7	O2A-CGA-O1A	-4.71	111.86	123.63
14	B	840	CL7	C3B-C2B-C1B	-4.70	101.62	107.17
14	B	843	CL7	C3B-C2B-C1B	-4.70	101.62	107.17
14	L	207	CL7	C2D-C1D-ND	4.70	115.20	110.33
14	A	827	CL7	C1D-ND-C4D	-4.70	103.02	106.31
14	F	203	CL7	O2A-CGA-O1A	-4.70	111.25	123.33
14	B	823	CL7	CMA-C3A-C2A	4.69	132.13	113.98
14	A	827	CL7	O2A-CGA-O1A	-4.69	111.89	123.63
14	B	834	CL7	O2A-CGA-O1A	-4.69	111.26	123.33
14	A	840	CL7	O2D-CGD-CBD	4.69	119.43	111.23
14	A	805	CL7	O2A-CGA-O1A	-4.69	111.28	123.33
14	A	835	CL7	O2A-CGA-O1A	-4.68	111.29	123.33
14	B	836	CL7	C2D-C1D-ND	4.68	115.18	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	835	CL7	C3B-C2B-C1B	-4.68	101.65	107.17
14	B	838	CL7	O2A-CGA-O1A	-4.68	111.30	123.33
14	A	839	CL7	C3B-C2B-C1B	-4.68	101.66	107.17
14	B	845	CL7	C3B-C2B-C1B	-4.68	101.66	107.17
14	B	824	CL7	C2D-C1D-ND	4.68	115.17	110.33
14	A	814	CL7	C2D-C1D-ND	4.67	115.17	110.33
14	A	817	CL7	O2D-CGD-CBD	4.67	119.39	111.23
18	A	850	WVN	C19-C22-C26	4.67	126.35	119.01
14	A	804	CL7	O2A-CGA-O1A	-4.67	111.33	123.33
14	A	839	CL7	O2A-CGA-O1A	-4.66	111.97	123.63
14	B	827	CL7	C2D-C1D-ND	4.64	115.14	110.33
14	B	835	CL7	O2A-CGA-O1A	-4.64	112.01	123.63
14	B	830	CL7	C2D-C1D-ND	4.64	115.14	110.33
14	B	845	CL7	C2D-C1D-ND	4.64	115.14	110.33
14	A	845	CL7	C3B-C2B-C1B	-4.64	101.70	107.17
14	B	813	CL7	C1D-ND-C4D	-4.64	103.06	106.31
14	A	827	CL7	O2D-CGD-CBD	4.64	119.34	111.23
14	B	839	CL7	C2D-C1D-ND	4.64	115.14	110.33
14	A	841	CL7	O2A-CGA-O1A	-4.64	112.03	123.63
14	A	803	CL7	O2D-CGD-CBD	4.64	119.33	111.23
14	I	101	CL7	O2A-CGA-O1A	-4.63	111.42	123.33
14	A	817	CL7	O2A-CGA-CBA	4.63	125.95	111.83
14	A	831	CL7	C2D-C1D-ND	4.62	115.12	110.33
14	B	811	CL7	O2A-CGA-O1A	-4.61	112.09	123.63
14	A	843	CL7	CMA-C3A-C2A	-4.61	96.16	113.98
14	A	814	CL7	C3B-C2B-C1B	-4.61	101.74	107.17
14	A	815	CL7	C2D-C1D-ND	4.61	115.10	110.33
14	A	843	CL7	O2A-CGA-O1A	-4.60	112.12	123.63
14	A	812	CL7	C2D-C1D-ND	4.60	115.10	110.33
14	A	843	CL7	C2D-C1D-ND	4.60	115.10	110.33
14	L	207	CL7	O2D-CGD-CBD	4.59	119.26	111.23
14	A	844	CL7	C1-C2-C3	-4.58	118.69	126.20
14	B	834	CL7	C2D-C1D-ND	4.58	115.08	110.33
14	A	834	CL7	O2A-CGA-O1A	-4.58	112.17	123.63
14	A	832	CL7	CMA-C3A-C2A	-4.57	96.30	113.98
14	A	835	CL7	C1D-ND-C4D	-4.57	103.11	106.31
14	A	831	CL7	O2A-CGA-O1A	-4.57	111.58	123.33
14	B	839	CL7	O2D-CGD-CBD	4.56	119.20	111.23
14	B	816	CL7	CMA-C3A-C2A	4.56	131.61	113.98
14	B	843	CL7	C1D-ND-C4D	-4.56	103.11	106.31
14	K	101	CL7	C2D-C1D-ND	4.55	115.05	110.33
14	B	840	CL7	O2A-C1-C2	4.55	125.63	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	817	CL7	O2A-CGA-O1A	-4.55	112.24	123.63
14	F	202	CL7	C3B-C2B-C1B	-4.55	101.80	107.17
14	A	809	CL7	C2D-C1D-ND	4.55	115.04	110.33
14	A	832	CL7	O2D-CGD-CBD	4.55	119.18	111.23
14	B	828	CL7	C3B-C2B-C1B	-4.55	101.81	107.17
14	A	844	CL7	O2D-CGD-CBD	4.55	119.18	111.23
14	B	803	CL7	O2A-CGA-O1A	-4.54	112.26	123.63
14	A	823	CL7	O2D-CGD-CBD	4.53	119.16	111.23
14	B	809	CL7	C2D-C1D-ND	4.53	115.03	110.33
14	A	810	CL7	O2A-CGA-O1A	-4.53	112.29	123.63
14	B	837	CL7	O2A-CGA-O1A	-4.53	111.69	123.33
14	A	838	CL7	C2D-C1D-ND	4.52	115.02	110.33
14	A	855	CL7	C3B-C2B-C1B	-4.52	101.84	107.17
14	B	803	CL7	O2D-CGD-CBD	4.51	119.12	111.23
14	A	840	CL7	C2C-C1C-NC	4.51	114.59	110.13
14	F	202	CL7	O2A-CGA-O1A	-4.51	112.34	123.63
14	B	804	CL7	O2A-CGA-O1A	-4.51	112.35	123.63
14	A	836	CL7	C1D-ND-C4D	-4.51	103.15	106.31
14	F	203	CL7	C2D-C1D-ND	4.50	115.00	110.33
14	B	833	CL7	C2D-C1D-ND	4.50	114.99	110.33
14	A	813	CL7	C3B-C2B-C1B	-4.50	101.87	107.17
14	B	809	CL7	C1D-ND-C4D	-4.50	103.16	106.31
14	A	820	CL7	C3B-C2B-C1B	-4.49	101.88	107.17
20	B	825	LMG	O7-C10-C11	4.49	121.19	111.48
14	A	829	CL7	C1D-ND-C4D	-4.49	103.16	106.31
14	A	803	CL7	O2A-CGA-O1A	-4.48	112.42	123.63
14	A	806	CL7	O2D-CGD-CBD	4.47	119.04	111.23
14	A	846	CL7	O2A-CGA-O1A	-4.47	112.45	123.63
14	A	844	CL7	C1D-ND-C4D	-4.47	103.18	106.31
14	B	817	CL7	O2D-CGD-CBD	4.47	119.04	111.23
14	F	201	CL7	C2D-C1D-ND	4.46	114.95	110.33
14	A	820	CL7	O2D-CGD-CBD	4.46	119.03	111.23
14	B	828	CL7	C1D-ND-C4D	-4.46	103.19	106.31
14	A	842	CL7	C3C-C4C-NC	4.45	114.85	110.20
14	B	804	CL7	C1D-ND-C4D	-4.44	103.20	106.31
14	B	811	CL7	C1C-C2C-C3C	-4.44	100.38	106.97
14	K	102	CL7	C2D-C1D-ND	4.44	114.93	110.33
14	B	823	CL7	O2A-CGA-O1A	-4.44	111.91	123.33
14	B	802	CL7	C3C-C4C-NC	4.44	114.83	110.20
14	B	808	CL7	C1D-ND-C4D	-4.44	103.20	106.31
14	B	808	CL7	O2A-CGA-CBA	4.44	125.36	111.83
14	B	836	CL7	O2A-CGA-O1A	-4.44	111.92	123.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	819	CL7	C2D-C1D-ND	4.43	114.92	110.33
14	A	822	CL7	O2D-CGD-CBD	4.43	118.98	111.23
14	B	805	CL7	O2A-CGA-O1A	-4.43	112.55	123.63
14	B	819	CL7	C1D-ND-C4D	-4.43	103.20	106.31
14	A	803	CL7	C1D-ND-C4D	-4.43	103.21	106.31
14	A	829	CL7	C2D-C1D-ND	4.42	114.91	110.33
14	A	816	CL7	C3B-C2B-C1B	-4.41	101.97	107.17
14	B	813	CL7	O2D-CGD-CBD	4.40	118.93	111.23
14	B	822	CL7	C1-C2-C3	-4.40	118.99	126.20
14	A	806	CL7	C1D-ND-C4D	-4.40	103.23	106.31
14	B	817	CL7	O2A-CGA-O1A	-4.40	112.63	123.63
14	B	843	CL7	O2A-CGA-O1A	-4.39	112.66	123.63
14	B	840	CL7	C2D-C1D-ND	4.39	114.88	110.33
14	B	807	CL7	O2D-CGD-CBD	4.38	118.89	111.23
14	K	102	CL7	C1D-ND-C4D	-4.38	103.24	106.31
14	A	835	CL7	C2D-C1D-ND	4.37	114.86	110.33
14	B	821	CL7	C1D-ND-C4D	-4.37	103.24	106.31
14	B	827	CL7	C1D-ND-C4D	-4.37	103.25	106.31
14	A	803	CL7	C3B-C2B-C1B	-4.37	102.02	107.17
14	B	821	CL7	O2A-CGA-O1A	-4.36	112.72	123.63
12	A	801	G9R	O2D-CGD-CBD	4.35	118.84	111.23
14	B	814	CL7	O2A-CGA-CBA	4.35	125.11	111.83
14	B	808	CL7	O2D-CGD-CBD	4.35	118.84	111.23
14	A	805	CL7	C2D-C1D-ND	4.35	114.83	110.33
14	B	829	CL7	C1D-ND-C4D	-4.34	103.27	106.31
14	A	844	CL7	C2D-C1D-ND	4.34	114.83	110.33
14	B	845	CL7	C1D-ND-C4D	-4.34	103.27	106.31
18	A	853	WVN	C33-C34-C37	-4.33	112.20	119.01
14	B	833	CL7	O2A-CGA-CBA	4.32	125.02	111.83
14	A	823	CL7	O2A-CGA-O1A	-4.32	112.82	123.63
14	B	828	CL7	C2D-C1D-ND	4.32	114.81	110.33
14	A	829	CL7	O2A-CGA-O1A	-4.32	112.83	123.63
14	B	838	CL7	C3B-C2B-C1B	-4.32	102.08	107.17
14	A	807	CL7	O2A-CGA-CBA	4.31	124.98	111.83
14	B	830	CL7	C1C-C2C-C3C	-4.31	100.58	106.97
14	A	826	CL7	O2D-CGD-CBD	4.30	118.75	111.23
14	A	815	CL7	O2A-CGA-CBA	4.29	124.91	111.83
14	B	803	CL7	C4-C3-C5	4.29	122.67	115.23
14	L	207	CL7	O2A-CGA-CBA	4.29	124.91	111.83
14	A	820	CL7	O2A-CGA-O1A	-4.29	112.90	123.63
14	A	840	CL7	O2A-CGA-CBA	4.29	124.90	111.83
14	B	811	CL7	C3B-C2B-C1B	-4.28	102.12	107.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	820	CL7	C1C-C2C-C3C	-4.27	100.63	106.97
18	L	201	WVN	C03-C04-C09	-4.27	104.90	112.07
14	A	815	CL7	O2D-CGD-CBD	4.27	118.69	111.23
14	A	846	CL7	O2A-C1-C2	4.27	124.53	108.11
14	B	824	CL7	C3B-C2B-C1B	-4.26	102.14	107.17
14	A	841	CL7	C2D-C1D-ND	4.26	114.74	110.33
14	F	202	CL7	O2A-CGA-CBA	4.26	124.82	111.83
14	A	821	CL7	C3B-C2B-C1B	-4.26	102.15	107.17
14	A	828	CL7	O2A-CGA-CBA	4.26	124.81	111.83
18	B	848	WVN	C01-C02-C11	-4.25	107.93	112.83
14	A	816	CL7	C1-C2-C3	-4.25	119.89	126.76
14	A	815	CL7	C1D-ND-C4D	-4.24	103.33	106.31
14	A	841	CL7	C1D-ND-C4D	-4.24	103.34	106.31
14	B	807	CL7	C1-C2-C3	-4.24	119.91	126.76
14	B	829	CL7	C1-C2-C3	-4.23	119.92	126.76
14	A	846	CL7	C1-C2-C3	-4.23	119.92	126.76
14	L	207	CL7	C1C-C2C-C3C	-4.22	100.70	106.97
14	B	807	CL7	O2A-CGA-O1A	-4.22	113.06	123.63
14	B	816	CL7	C3A-C4A-CHB	-4.21	117.47	123.66
14	B	821	CL7	O2D-CGD-O1D	-4.21	115.66	123.85
14	B	838	CL7	C1C-C2C-C3C	-4.21	100.73	106.97
14	A	819	CL7	OBB-CAB-C3B	-4.20	116.14	125.62
14	A	817	CL7	O2A-C1-C2	4.20	124.28	108.11
18	A	853	WVN	C01-C02-C11	-4.20	108.00	112.83
14	A	845	CL7	O2A-CGA-CBA	4.20	124.63	111.83
14	A	809	CL7	O2A-CGA-CBA	4.19	124.62	111.83
14	A	810	CL7	O2A-C1-C2	4.19	124.23	108.11
14	A	807	CL7	C1C-C2C-C3C	-4.19	100.76	106.97
14	B	804	CL7	C1-C2-C3	-4.18	119.34	126.20
14	A	819	CL7	C1D-ND-C4D	-4.18	103.38	106.31
14	B	822	CL7	C1D-ND-C4D	-4.18	103.38	106.31
14	A	813	CL7	C1D-ND-C4D	-4.18	103.38	106.31
14	A	845	CL7	O2D-CGD-CBD	4.17	118.53	111.23
14	B	806	CL7	C3C-C4C-NC	4.17	114.55	110.20
18	F	204	WVN	C02-C11-C19	-4.17	118.10	124.58
14	A	817	CL7	C1D-ND-C4D	-4.14	103.41	106.31
14	A	805	CL7	C1D-ND-C4D	-4.14	103.41	106.31
14	A	842	CL7	C1D-ND-C4D	-4.13	103.41	106.31
14	A	808	CL7	O2A-CGA-O1A	-4.13	113.30	123.63
14	B	840	CL7	O2A-CGA-CBA	4.13	124.42	111.83
14	A	842	CL7	CMA-C3A-C2A	4.13	129.93	113.98
14	A	819	CL7	C1C-C2C-C3C	-4.12	100.86	106.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	806	CL7	C2D-C1D-ND	4.11	114.59	110.33
14	A	836	CL7	O2A-CGA-CBA	4.10	124.35	111.83
12	A	801	G9R	C4A-NA-C1A	4.10	108.55	106.68
14	A	844	CL7	O2A-C1-C2	4.10	123.88	108.11
14	B	845	CL7	O2A-CGA-CBA	4.09	124.32	111.83
18	F	204	WVN	C33-C34-C37	-4.09	112.57	119.01
14	A	834	CL7	O2A-CGA-CBA	4.09	124.31	111.83
14	A	813	CL7	C1C-C2C-C3C	-4.09	100.91	106.97
14	A	822	CL7	O2A-CGA-O1A	-4.09	113.41	123.63
14	A	806	CL7	O2A-CGA-O1A	-4.08	113.42	123.63
12	A	801	G9R	C1-C2-C3	-4.08	119.51	126.20
14	B	827	CL7	O2D-CGD-O1D	-4.08	115.91	123.85
14	A	828	CL7	C1-C2-C3	-4.07	119.53	126.20
14	A	820	CL7	C1D-ND-C4D	-4.06	103.47	106.31
14	A	833	CL7	O2A-C1-C2	4.05	123.70	108.11
12	A	801	G9R	C3B-C2B-C1B	-4.04	102.40	107.17
14	A	818	CL7	C1C-C2C-C3C	-4.04	100.98	106.97
14	B	802	CL7	O2A-CGA-CBA	4.03	124.13	111.83
14	B	826	CL7	C1C-C2C-C3C	-4.03	101.00	106.97
14	B	840	CL7	O2D-CGD-O1D	-4.02	116.03	123.85
14	B	811	CL7	C1-C2-C3	-4.01	119.62	126.20
14	B	805	CL7	C1C-C2C-C3C	-4.01	101.02	106.97
14	A	840	CL7	C1-C2-C3	-4.01	119.63	126.20
12	A	801	G9R	O2A-CGA-CBA	4.00	124.04	111.83
14	A	817	CL7	C2B-C1B-NB	4.00	114.48	110.33
14	B	814	CL7	C1C-C2C-C3C	-4.00	101.04	106.97
14	A	823	CL7	C3B-C2B-C1B	-4.00	102.46	107.17
18	A	851	WVN	C30-C28-C25	-3.99	121.68	127.28
18	F	205	WVN	C11-C19-C22	3.99	134.91	126.32
14	A	832	CL7	O2A-CGA-CBA	3.99	123.99	111.83
14	B	829	CL7	C1C-C2C-C3C	-3.98	101.07	106.97
14	A	813	CL7	C2D-C1D-ND	3.97	114.44	110.33
14	A	846	CL7	C1C-C2C-C3C	-3.97	101.08	106.97
14	F	201	CL7	C1C-C2C-C3C	-3.96	101.09	106.97
14	A	829	CL7	O2A-C1-C2	3.96	123.35	108.11
14	A	840	CL7	O2A-C1-C2	3.96	123.34	108.11
14	B	804	CL7	C1C-C2C-C3C	-3.96	101.10	106.97
14	A	841	CL7	C1C-C2C-C3C	-3.95	101.11	106.97
17	B	832	LMT	C1B-O5B-C5B	3.95	121.44	113.72
14	A	821	CL7	C1-O2A-CGA	3.95	126.21	116.65
14	B	816	CL7	C2B-C1B-NB	3.95	114.42	110.33
14	A	819	CL7	CMB-C2B-C1B	3.95	131.43	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	833	CL7	C1C-C2C-C3C	-3.94	101.12	106.97
14	A	808	CL7	C1C-C2C-C3C	-3.94	101.12	106.97
14	L	207	CL7	O2A-C1-C2	3.94	123.27	108.11
14	A	821	CL7	O2A-CGA-CBA	3.94	123.85	111.83
14	A	828	CL7	C3B-C2B-C1B	-3.94	102.53	107.17
14	A	842	CL7	O2A-C1-C2	3.93	123.22	108.11
14	B	818	CL7	C1D-ND-C4D	-3.92	103.56	106.31
14	B	822	CL7	C3C-C4C-NC	3.92	114.29	110.20
14	A	808	CL7	C2D-C1D-ND	3.92	114.39	110.33
14	A	839	CL7	O2D-CGD-CBD	3.92	118.08	111.23
14	B	803	CL7	C3C-C4C-NC	3.92	114.29	110.20
14	F	203	CL7	C1C-C2C-C3C	-3.91	101.16	106.97
14	B	831	CL7	C1-C2-C3	-3.91	119.78	126.20
14	A	818	CL7	O2D-CGD-CBD	3.91	118.07	111.23
14	A	803	CL7	C1C-C2C-C3C	-3.91	101.17	106.97
14	A	838	CL7	O2D-CGD-O1D	-3.90	116.25	123.85
18	L	201	WVN	C38-C34-C33	3.90	124.05	118.09
14	A	827	CL7	O2A-CGA-CBA	3.90	123.73	111.83
14	L	205	CL7	C1C-C2C-C3C	-3.90	101.18	106.97
14	A	844	CL7	O2A-CGA-CBA	3.90	123.73	111.83
14	B	829	CL7	C3C-C4C-NC	3.90	114.27	110.20
14	A	816	CL7	O2A-C1-C2	3.90	123.12	108.11
14	A	827	CL7	C1C-C2C-C3C	-3.90	101.19	106.97
14	B	835	CL7	C1D-ND-C4D	-3.90	103.58	106.31
14	B	817	CL7	O2A-C1-C2	3.89	123.09	108.11
14	A	806	CL7	O2A-CGA-CBA	3.89	123.70	111.83
14	A	810	CL7	C3C-C4C-NC	3.89	114.26	110.20
14	B	834	CL7	C1C-C2C-C3C	-3.89	101.20	106.97
14	I	101	CL7	C3C-C4C-NC	3.89	114.25	110.20
14	A	827	CL7	C2B-C1B-NB	3.88	114.35	110.33
14	B	808	CL7	C1C-C2C-C3C	-3.88	101.21	106.97
14	A	843	CL7	C2B-C1B-NB	3.88	114.35	110.33
14	B	819	CL7	CMA-C3A-C2A	-3.87	99.01	113.98
14	B	818	CL7	C1-O2A-CGA	3.87	126.02	116.65
14	A	836	CL7	C1C-C2C-C3C	-3.87	101.23	106.97
14	A	805	CL7	C2B-C1B-NB	3.87	114.34	110.33
14	A	848	CL7	C1C-C2C-C3C	-3.87	101.23	106.97
14	A	803	CL7	O2A-CGA-CBA	3.87	123.63	111.83
14	B	804	CL7	O2A-C1-C2	3.87	122.98	108.11
14	A	822	CL7	C1C-C2C-C3C	-3.86	101.24	106.97
14	B	844	CL7	C3C-C4C-NC	3.86	114.23	110.20
18	F	204	WVN	C01-C02-C11	-3.86	108.39	112.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	836	CL7	C2B-C1B-NB	3.85	114.32	110.33
14	A	820	CL7	C3C-C4C-NC	3.85	114.22	110.20
14	A	841	CL7	C3C-C4C-NC	3.85	114.22	110.20
14	B	835	CL7	C1C-C2C-C3C	-3.85	101.25	106.97
18	F	204	WVN	C40-C37-C34	-3.85	121.88	127.28
14	B	819	CL7	C1C-C2C-C3C	-3.85	101.26	106.97
14	B	837	CL7	O2D-CGD-CBD	3.85	117.96	111.23
18	A	849	WVN	C38-C34-C33	3.85	123.97	118.09
18	B	850	WVN	C26-C29-C31	-3.85	112.06	123.20
14	A	844	CL7	C3C-C4C-NC	3.84	114.21	110.20
14	A	806	CL7	C2B-C1B-NB	3.83	114.30	110.33
14	A	814	CL7	C1C-C2C-C3C	-3.83	101.29	106.97
14	B	833	CL7	O2A-C1-C2	3.82	122.83	108.11
14	B	828	CL7	C1C-C2C-C3C	-3.82	101.30	106.97
14	B	817	CL7	C1C-C2C-C3C	-3.82	101.30	106.97
14	B	843	CL7	C1C-C2C-C3C	-3.82	101.31	106.97
14	B	819	CL7	O2A-CGA-CBA	3.81	123.46	111.83
14	B	818	CL7	C1C-C2C-C3C	-3.81	101.32	106.97
14	A	834	CL7	C2B-C1B-NB	3.81	114.28	110.33
14	A	836	CL7	C3A-C4A-CHB	-3.80	118.08	123.66
14	K	102	CL7	C1C-C2C-C3C	-3.80	101.34	106.97
14	A	831	CL7	C1C-C2C-C3C	-3.80	101.34	106.97
18	K	103	WVN	C30-C28-C25	-3.80	121.95	127.28
14	B	802	CL7	O2A-C1-C2	3.79	122.71	108.11
14	B	816	CL7	C1C-C2C-C3C	-3.79	101.34	106.97
14	A	808	CL7	C1-C2-C3	-3.79	120.62	126.76
14	B	840	CL7	C3D-C4D-ND	3.79	115.48	110.20
14	A	833	CL7	C1-C2-C3	-3.78	120.64	126.76
18	L	209	WVN	C30-C28-C25	3.78	132.58	127.28
14	B	839	CL7	C1C-C2C-C3C	-3.78	101.36	106.97
14	B	809	CL7	C1C-C2C-C3C	-3.78	101.36	106.97
14	B	807	CL7	C3C-C4C-NC	3.78	114.14	110.20
14	A	810	CL7	C1C-C2C-C3C	-3.77	101.37	106.97
14	A	821	CL7	C1C-C2C-C3C	-3.77	101.37	106.97
14	B	844	CL7	O2A-C1-C2	3.77	122.60	108.11
14	A	834	CL7	C1C-C2C-C3C	-3.77	101.39	106.97
14	A	838	CL7	C1C-C2C-C3C	-3.76	101.39	106.97
14	A	810	CL7	C3D-C4D-ND	3.76	115.44	110.20
12	A	801	G9R	C1D-ND-C4D	-3.76	103.67	106.31
14	A	823	CL7	CMA-C3A-C2A	-3.76	99.45	113.98
14	A	839	CL7	O2A-CGA-CBA	3.76	123.29	111.83
14	B	806	CL7	O2A-CGA-CBA	3.76	123.29	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	830	CL7	C3D-C4D-ND	3.75	115.44	110.20
14	A	835	CL7	C1C-C2C-C3C	-3.75	101.41	106.97
14	A	810	CL7	CHD-C1D-ND	-3.75	118.42	124.05
14	A	841	CL7	O2A-CGA-CBA	3.75	123.26	111.83
14	I	101	CL7	C2B-C1B-NB	3.75	114.21	110.33
14	B	824	CL7	C1-C2-C3	-3.75	120.06	126.20
14	B	821	CL7	C3C-C4C-NC	3.74	114.11	110.20
14	A	826	CL7	O2A-CGA-O1A	-3.74	114.27	123.63
14	A	840	CL7	C3C-C4C-NC	3.74	114.10	110.20
14	A	828	CL7	C1C-C2C-C3C	-3.74	101.43	106.97
14	A	842	CL7	OBD-CAD-C3D	-3.74	119.68	128.42
14	B	822	CL7	O2A-CGA-CBA	3.73	123.20	111.83
14	B	815	CL7	O2A-CGA-CBA	3.73	123.20	111.83
14	B	842	CL7	C1C-C2C-C3C	-3.73	101.44	106.97
14	B	814	CL7	C2D-C1D-ND	3.72	114.19	110.33
14	B	823	CL7	C1C-C2C-C3C	-3.72	101.45	106.97
14	B	833	CL7	C1C-C2C-C3C	-3.72	101.46	106.97
14	B	814	CL7	CMA-C3A-C2A	-3.72	99.61	113.98
14	A	805	CL7	C1C-C2C-C3C	-3.71	101.46	106.97
14	B	824	CL7	C1C-C2C-C3C	-3.71	101.47	106.97
14	A	845	CL7	O2A-C1-C2	3.71	122.39	108.11
14	B	835	CL7	C1-C2-C3	-3.71	120.76	126.76
14	A	808	CL7	C1D-ND-C4D	-3.71	103.71	106.31
14	B	812	CL7	C3C-C4C-NC	3.71	114.07	110.20
14	B	840	CL7	C1C-C2C-C3C	-3.71	101.47	106.97
14	B	835	CL7	C2B-C1B-NB	3.70	114.17	110.33
14	B	818	CL7	O2A-CGA-CBA	3.70	123.12	111.83
14	B	845	CL7	C2B-C1B-NB	3.69	114.16	110.33
14	B	845	CL7	O2A-C1-C2	3.69	122.31	108.11
14	B	821	CL7	C1C-C2C-C3C	-3.69	101.50	106.97
18	B	851	WVN	C38-C34-C33	-3.69	112.46	118.09
14	A	826	CL7	C1-O2A-CGA	3.68	125.57	116.65
14	B	830	CL7	O2A-CGA-CBA	3.67	123.04	111.83
14	A	809	CL7	C1C-C2C-C3C	-3.67	101.52	106.97
14	A	829	CL7	O2A-CGA-CBA	3.67	123.03	111.83
13	A	854	PHO	C2B-C1B-NB	-3.67	106.78	109.43
14	B	811	CL7	O2A-CGA-CBA	3.67	123.01	111.83
14	A	836	CL7	O2A-C1-C2	3.66	122.21	108.11
14	A	816	CL7	O2A-CGA-CBA	3.66	123.01	111.83
14	B	834	CL7	CHD-C1D-ND	-3.66	118.56	124.05
14	B	844	CL7	O2A-CGA-CBA	3.66	123.00	111.83
14	A	839	CL7	O2A-C1-C2	3.66	122.19	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	813	CL7	O2A-CGA-CBA	3.66	122.99	111.83
14	A	815	CL7	O2A-C1-C2	3.65	122.17	108.11
14	B	809	CL7	C2B-C1B-NB	3.65	114.11	110.33
14	B	836	CL7	C1C-C2C-C3C	-3.65	101.55	106.97
14	B	803	CL7	CMB-C2B-C1B	3.65	130.98	125.42
14	A	811	CL7	C1C-C2C-C3C	-3.65	101.56	106.97
14	B	829	CL7	O2A-CGA-CBA	3.65	122.96	111.83
14	L	207	CL7	C3C-C4C-NC	3.65	114.00	110.20
14	B	840	CL7	OBD-CAD-C3D	-3.64	119.90	128.42
14	A	826	CL7	O2A-C1-C2	3.64	122.13	108.11
14	A	843	CL7	C1C-C2C-C3C	-3.64	101.57	106.97
14	A	832	CL7	C1C-C2C-C3C	-3.64	101.57	106.97
14	A	815	CL7	C1C-C2C-C3C	-3.64	101.57	106.97
14	B	807	CL7	C1C-C2C-C3C	-3.64	101.57	106.97
14	B	831	CL7	O2A-CGA-CBA	3.64	122.92	111.83
14	L	204	CL7	C1C-C2C-C3C	-3.64	101.58	106.97
14	A	822	CL7	O2A-C1-C2	3.64	122.10	108.11
14	A	838	CL7	C2B-C1B-NB	3.63	114.09	110.33
14	B	837	CL7	C1C-C2C-C3C	-3.63	101.59	106.97
14	A	822	CL7	CMA-C3A-C2A	-3.63	99.96	113.98
14	B	827	CL7	C1C-C2C-C3C	-3.63	101.59	106.97
14	A	828	CL7	O2D-CGD-O1D	-3.63	116.79	123.85
14	B	813	CL7	C3C-C4C-NC	3.62	113.98	110.20
14	A	823	CL7	CAA-C2A-C3A	-3.62	103.22	113.00
14	A	808	CL7	C2B-C1B-NB	3.62	114.08	110.33
14	A	822	CL7	C4-C3-C5	3.61	121.50	115.23
14	K	101	CL7	C1C-C2C-C3C	-3.61	101.61	106.97
14	A	827	CL7	OBB-CAB-C3B	-3.61	117.47	125.62
14	B	817	CL7	O2A-CGA-CBA	3.61	122.85	111.83
14	A	815	CL7	C1-C2-C3	-3.61	120.28	126.20
14	B	824	CL7	O2A-C1-C2	3.61	122.00	108.11
17	L	206	LMT	C1B-O5B-C5B	3.61	120.77	113.72
14	A	839	CL7	C1-C2-C3	-3.61	120.28	126.20
14	B	812	CL7	C2B-C1B-NB	3.60	114.06	110.33
14	A	839	CL7	C3C-C4C-NC	3.60	113.96	110.20
15	A	825	LHG	O7-C7-C8	3.60	119.26	111.48
14	A	827	CL7	O2A-C1-C2	3.60	121.95	108.11
14	A	838	CL7	O2A-CGA-CBA	3.60	122.80	111.83
14	L	204	CL7	O2A-CGA-CBA	3.59	122.80	111.83
14	B	831	CL7	C1C-C2C-C3C	-3.59	101.64	106.97
14	B	822	CL7	C1C-C2C-C3C	-3.59	101.64	106.97
14	B	826	CL7	O2A-CGA-CBA	3.59	122.78	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
17	B	832	LMT	C3B-C4B-C5B	-3.58	103.73	110.23
14	A	806	CL7	C1-C2-C3	-3.58	120.33	126.20
14	B	828	CL7	CHD-C1D-ND	-3.58	118.68	124.05
14	B	827	CL7	C3C-C4C-NC	3.58	113.93	110.20
14	A	810	CL7	O2A-CGA-CBA	3.58	122.74	111.83
14	A	817	CL7	C1C-C2C-C3C	-3.58	101.67	106.97
14	A	843	CL7	O2A-CGA-CBA	3.57	122.73	111.83
14	A	844	CL7	C1C-C2C-C3C	-3.57	101.67	106.97
14	A	809	CL7	C2B-C1B-NB	3.57	114.02	110.33
14	B	818	CL7	C2B-C1B-NB	3.56	114.02	110.33
14	A	841	CL7	C2B-C1B-NB	3.56	114.02	110.33
14	B	817	CL7	C2B-C1B-NB	3.56	114.02	110.33
14	A	806	CL7	C1C-C2C-C3C	-3.56	101.69	106.97
14	A	835	CL7	C2B-C1B-NB	3.56	114.02	110.33
14	B	810	CL7	C3C-C4C-NC	3.56	113.91	110.20
14	B	843	CL7	O2A-C1-C2	3.56	121.80	108.11
14	B	817	CL7	C3D-C4D-ND	3.56	115.16	110.20
14	A	832	CL7	C2B-C1B-NB	3.56	114.01	110.33
14	B	822	CL7	O2A-C1-C2	3.56	121.79	108.11
14	B	815	CL7	C1C-C2C-C3C	-3.56	101.70	106.97
14	A	828	CL7	C3C-C4C-NC	3.55	113.91	110.20
14	A	818	CL7	O2A-CGA-CBA	3.55	122.66	111.83
14	A	811	CL7	CMA-C3A-C2A	-3.55	108.09	116.23
14	A	829	CL7	C1C-C2C-C3C	-3.55	101.70	106.97
18	F	205	WVN	C01-C02-C11	-3.55	108.75	112.83
14	B	818	CL7	O2A-C1-C2	3.54	121.74	108.11
14	A	834	CL7	O2A-C1-C2	3.54	121.74	108.11
14	L	205	CL7	C3D-C4D-ND	3.54	115.14	110.20
14	F	202	CL7	CHD-C1D-ND	-3.54	118.74	124.05
14	B	836	CL7	C3D-C4D-ND	3.54	115.13	110.20
14	B	810	CL7	C1C-C2C-C3C	-3.54	101.72	106.97
14	B	823	CL7	O2A-CGA-CBA	3.54	125.17	114.00
14	B	844	CL7	CMA-C3A-C2A	-3.54	100.31	113.98
14	B	810	CL7	C2B-C1B-NB	3.54	113.99	110.33
20	B	825	LMG	O6-C1-O1	-3.53	101.70	110.04
14	A	826	CL7	O2A-CGA-CBA	3.53	122.60	111.83
14	B	836	CL7	C2B-C1B-NB	3.53	113.99	110.33
14	A	807	CL7	CMB-C2B-C1B	3.52	130.78	125.42
14	A	831	CL7	C2B-C1B-NB	3.52	113.98	110.33
14	B	833	CL7	C1-C2-C3	-3.52	120.43	126.20
14	A	829	CL7	C3C-C4C-NC	3.51	113.86	110.20
14	B	821	CL7	CMC-C2C-C1C	3.51	130.91	124.73

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	804	CL7	C1C-C2C-C3C	-3.51	101.77	106.97
14	K	101	CL7	C2B-C1B-NB	3.50	113.96	110.33
14	A	841	CL7	C3A-C4A-CHB	-3.50	118.52	123.66
14	B	817	CL7	C1-C2-C3	-3.49	121.11	126.76
14	K	102	CL7	C2B-C1B-NB	3.49	113.95	110.33
14	A	836	CL7	C3C-C4C-NC	3.49	113.84	110.20
14	B	819	CL7	O2A-C1-C2	3.48	121.51	108.11
14	A	811	CL7	C2B-C1B-NB	3.48	113.94	110.33
14	B	804	CL7	O2A-CGA-CBA	3.48	122.45	111.83
14	B	844	CL7	C1-C2-C3	-3.48	120.50	126.20
14	L	204	CL7	O2A-C1-C2	3.48	121.49	108.11
14	A	832	CL7	C3C-C4C-NC	3.47	113.83	110.20
14	B	804	CL7	C3C-C4C-NC	3.47	113.82	110.20
14	B	813	CL7	C1C-C2C-C3C	-3.47	101.82	106.97
14	L	205	CL7	O2A-CGA-CBA	3.47	122.42	111.83
14	I	101	CL7	C1C-C2C-C3C	-3.47	101.83	106.97
14	A	846	CL7	O2A-CGA-CBA	3.47	122.41	111.83
14	F	202	CL7	C1C-C2C-C3C	-3.47	101.83	106.97
14	B	824	CL7	O2A-CGA-CBA	3.47	122.41	111.83
14	B	845	CL7	OBD-CAD-C3D	-3.47	120.32	128.42
14	B	835	CL7	O2A-CGA-CBA	3.46	122.40	111.83
14	A	829	CL7	C2B-C1B-NB	3.46	113.92	110.33
14	B	821	CL7	C1-O2A-CGA	3.46	125.03	116.65
14	B	806	CL7	C3D-C4D-ND	3.46	115.03	110.20
14	A	823	CL7	C1C-C2C-C3C	-3.46	101.84	106.97
14	B	821	CL7	C1-C2-C3	-3.46	120.53	126.20
17	L	206	LMT	C1B-C2B-C3B	3.46	117.28	110.01
14	B	807	CL7	O2A-CGA-CBA	3.45	122.37	111.83
12	A	801	G9R	CMB-C2B-C1B	3.45	130.68	125.42
14	A	816	CL7	C1C-C2C-C3C	-3.45	101.85	106.97
14	A	813	CL7	C2B-C1B-NB	3.45	113.90	110.33
14	A	845	CL7	C2B-C1B-NB	3.44	113.90	110.33
14	B	826	CL7	C3C-C4C-NC	3.44	113.79	110.20
14	B	823	CL7	C3C-C4C-NC	3.44	113.79	110.20
14	B	816	CL7	OBB-CAB-C3B	-3.44	117.86	125.62
14	B	812	CL7	CAA-C2A-C3A	-3.44	108.35	116.23
14	B	829	CL7	CMB-C2B-C1B	3.43	130.65	125.42
14	A	806	CL7	C3C-C4C-NC	3.43	113.78	110.20
14	A	822	CL7	C3D-C4D-ND	3.43	114.98	110.20
14	A	812	CL7	C1C-C2C-C3C	-3.43	101.89	106.97
14	A	809	CL7	O2A-C1-C2	3.43	121.29	108.11
14	A	815	CL7	C2B-C1B-NB	3.42	113.88	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	843	CL7	C1-O2A-CGA	3.42	124.94	116.65
14	B	808	CL7	O2A-C1-C2	3.42	121.27	108.11
14	A	855	CL7	CAA-C2A-C3A	-3.42	108.39	116.23
14	A	826	CL7	C1C-C2C-C3C	-3.41	101.91	106.97
14	B	826	CL7	C3D-C4D-ND	3.41	114.96	110.20
14	K	101	CL7	C3D-C4D-ND	3.41	114.96	110.20
14	B	837	CL7	C2B-C1B-NB	3.41	113.86	110.33
14	F	202	CL7	C3D-C4D-ND	3.41	114.95	110.20
14	A	820	CL7	O2A-C1-C2	3.41	121.21	108.11
14	B	815	CL7	C3C-C4C-NC	3.40	113.75	110.20
14	B	842	CL7	CHD-C1D-ND	-3.40	118.94	124.05
14	B	807	CL7	O2A-C1-C2	3.40	121.20	108.11
14	A	805	CL7	C3A-C4A-CHB	-3.40	118.66	123.66
14	A	808	CL7	O2A-C1-C2	3.40	121.19	108.11
14	A	836	CL7	C1-C2-C3	-3.40	120.63	126.20
14	B	819	CL7	CHD-C1D-ND	-3.40	118.95	124.05
14	B	818	CL7	C3D-C4D-ND	3.40	114.94	110.20
18	A	852	WVN	C01-C02-C11	-3.39	108.93	112.83
14	F	202	CL7	C2B-C1B-NB	3.39	113.84	110.33
17	L	206	LMT	O5B-C1B-C2B	3.39	117.33	110.37
14	B	834	CL7	C2B-C1B-NB	3.38	113.84	110.33
18	A	853	WVN	C38-C34-C33	3.38	123.25	118.09
14	A	812	CL7	C2B-C1B-NB	3.38	113.83	110.33
14	A	855	CL7	C3C-C4C-NC	3.38	113.73	110.20
14	B	810	CL7	CAA-C2A-C3A	-3.38	108.48	116.23
14	B	833	CL7	C2B-C1B-NB	3.38	113.83	110.33
14	A	841	CL7	O2A-C1-C2	3.38	121.10	108.11
14	B	845	CL7	C1-C2-C3	-3.37	120.67	126.20
14	A	822	CL7	CAA-CBA-CGA	-3.37	103.64	113.21
14	A	811	CL7	C3A-C4A-CHB	-3.37	118.71	123.66
14	B	837	CL7	C3C-C4C-NC	3.37	113.72	110.20
14	B	844	CL7	C3D-C4D-ND	3.37	114.90	110.20
14	A	823	CL7	C3D-C4D-ND	3.37	114.89	110.20
14	B	802	CL7	C1C-C2C-C3C	-3.36	101.98	106.97
14	B	831	CL7	C3D-C4D-ND	3.36	114.89	110.20
14	A	822	CL7	O2A-CGA-CBA	3.36	122.08	111.83
14	B	834	CL7	C3D-C4D-ND	3.36	114.89	110.20
14	A	829	CL7	C4-C3-C5	3.36	121.06	115.23
14	A	819	CL7	O2D-CGD-O1D	-3.36	117.31	123.85
14	A	855	CL7	C1C-C2C-C3C	-3.36	101.99	106.97
14	A	812	CL7	CAA-C2A-C3A	-3.36	108.53	116.23
14	B	814	CL7	C3C-C4C-NC	3.36	113.70	110.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	815	CL7	C2B-C1B-NB	3.35	113.80	110.33
14	A	843	CL7	C4-C3-C5	3.35	121.05	115.23
14	A	838	CL7	C3A-C4A-CHB	-3.35	118.73	123.66
14	B	839	CL7	C3C-C4C-NC	3.35	113.70	110.20
14	A	804	CL7	O2A-CGA-CBA	3.35	124.59	114.00
14	A	840	CL7	C2B-C1B-NB	3.35	113.80	110.33
14	A	844	CL7	C2B-C1B-NB	3.35	113.80	110.33
14	B	839	CL7	C2B-C1B-NB	3.35	113.80	110.33
14	L	205	CL7	C4-C3-C5	3.35	121.04	115.23
14	F	201	CL7	CAA-C2A-C3A	-3.35	108.56	116.23
14	A	808	CL7	O2A-CGA-CBA	3.34	122.03	111.83
14	B	818	CL7	C1-C2-C3	-3.34	120.72	126.20
14	A	833	CL7	C2B-C1B-NB	3.34	113.79	110.33
14	A	826	CL7	C3D-C4D-ND	3.34	114.86	110.20
14	B	821	CL7	O2A-C1-C2	3.34	120.96	108.11
14	A	814	CL7	C3D-C4D-ND	3.34	114.86	110.20
14	A	848	CL7	C2B-C1B-NB	3.34	113.79	110.33
14	B	845	CL7	C1C-C2C-C3C	-3.33	102.03	106.97
14	B	814	CL7	C1D-ND-C4D	-3.33	103.98	106.31
14	B	830	CL7	C1-C2-C3	-3.33	120.74	126.20
14	B	803	CL7	C3D-C4D-ND	3.33	114.84	110.20
14	A	843	CL7	O2A-C1-C2	3.33	120.90	108.11
14	B	823	CL7	C3D-C4D-ND	3.32	114.83	110.20
14	A	845	CL7	C1C-C2C-C3C	-3.32	102.05	106.97
14	A	815	CL7	C3C-C4C-NC	3.32	113.66	110.20
14	B	815	CL7	O2A-C1-C2	3.32	120.87	108.11
14	B	816	CL7	C2D-C1D-ND	3.32	113.77	110.33
14	B	805	CL7	C3C-C4C-NC	3.31	113.66	110.20
14	B	824	CL7	C3C-C4C-NC	3.31	113.66	110.20
14	A	803	CL7	C3D-C4D-ND	3.31	114.82	110.20
14	L	207	CL7	C3D-C4D-ND	3.31	114.82	110.20
14	A	823	CL7	CMC-C2C-C1C	3.31	130.56	124.73
14	B	818	CL7	O2D-CGD-O1D	-3.31	117.40	123.85
14	B	831	CL7	C2B-C1B-NB	3.31	113.76	110.33
14	B	822	CL7	C2B-C1B-NB	3.31	113.75	110.33
14	A	813	CL7	C3D-C4D-ND	3.30	114.81	110.20
14	B	828	CL7	C2B-C1B-NB	3.30	113.75	110.33
14	A	819	CL7	C3A-C4A-CHB	-3.30	118.81	123.66
14	A	838	CL7	C3D-C4D-ND	3.30	114.80	110.20
14	B	844	CL7	C2B-C1B-NB	3.30	113.75	110.33
15	L	208	LHG	O8-C23-C24	3.29	121.15	111.15
14	B	815	CL7	C3D-C4D-ND	3.29	114.79	110.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	839	CL7	C3D-C4D-ND	3.29	114.79	110.20
14	B	842	CL7	C2B-C1B-NB	3.29	113.74	110.33
14	A	822	CL7	C2B-C1B-NB	3.29	113.73	110.33
14	B	804	CL7	C3A-C4A-CHB	-3.29	118.83	123.66
14	A	811	CL7	C3C-C4C-NC	3.28	113.63	110.20
14	B	838	CL7	O2A-CGA-CBA	3.28	124.37	114.00
17	L	203	LMT	O5'-C5'-C4'	3.28	115.61	109.70
14	A	846	CL7	C3C-C4C-NC	3.28	113.62	110.20
14	B	819	CL7	C3C-C4C-NC	3.27	113.62	110.20
14	A	828	CL7	O2A-C1-C2	3.27	120.71	108.11
14	B	835	CL7	O2A-C1-C2	3.27	120.71	108.11
14	A	821	CL7	C3D-C4D-ND	3.27	114.77	110.20
14	A	808	CL7	C3A-C4A-CHB	-3.27	118.85	123.66
14	A	804	CL7	C2B-C1B-NB	3.27	113.72	110.33
14	A	834	CL7	C4-C3-C5	3.27	120.90	115.23
14	B	835	CL7	C3D-C4D-ND	3.27	114.76	110.20
14	B	815	CL7	C1-C2-C3	-3.27	121.48	126.76
18	F	205	WVN	C40-C37-C34	-3.27	122.70	127.28
14	B	828	CL7	O2A-CGA-CBA	3.27	124.32	114.00
14	A	826	CL7	C3A-C4A-CHB	-3.26	118.87	123.66
14	I	101	CL7	C3A-C4A-CHB	-3.26	118.87	123.66
14	B	812	CL7	C1C-C2C-C3C	-3.25	102.15	106.97
14	A	806	CL7	C3D-C4D-ND	3.25	114.73	110.20
14	A	819	CL7	C3D-C4D-ND	3.25	114.73	110.20
14	B	836	CL7	O2A-CGA-CBA	3.25	124.26	114.00
14	A	826	CL7	C3C-C4C-NC	3.25	113.59	110.20
14	B	835	CL7	C3C-C4C-NC	3.25	113.59	110.20
15	A	825	LHG	O8-C23-C24	3.24	121.73	111.83
14	A	813	CL7	CHD-C1D-ND	-3.24	119.18	124.05
14	A	821	CL7	C4-C3-C5	3.24	120.86	115.23
14	B	819	CL7	CMC-C2C-C1C	3.24	130.44	124.73
14	B	827	CL7	O2A-CGA-CBA	3.24	124.24	114.00
14	B	845	CL7	C3A-C4A-CHB	-3.24	118.90	123.66
14	A	818	CL7	C1-C2-C3	-3.24	120.89	126.20
14	B	803	CL7	C1C-C2C-C3C	-3.24	102.17	106.97
14	A	834	CL7	C3A-C4A-CHB	-3.24	118.90	123.66
14	L	204	CL7	C3C-C4C-NC	3.24	113.58	110.20
18	L	202	WVN	C02-C11-C19	3.23	129.61	124.58
14	A	807	CL7	C3D-C4D-ND	3.23	114.70	110.20
14	B	811	CL7	C3D-C4D-ND	3.23	114.70	110.20
14	B	810	CL7	C3D-C4D-ND	3.23	114.70	110.20
14	B	809	CL7	C3C-C4C-NC	3.22	113.56	110.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	K	102	CL7	O2A-CGA-CBA	3.22	124.18	114.00
14	B	806	CL7	C1C-C2C-C3C	-3.22	102.19	106.97
14	A	804	CL7	C3D-C4D-ND	3.22	114.69	110.20
14	A	846	CL7	C2B-C1B-NB	3.22	113.66	110.33
14	B	835	CL7	C2D-C1D-ND	3.21	113.66	110.33
14	B	816	CL7	O2A-CGA-CBA	3.21	124.15	114.00
14	B	824	CL7	C4-C3-C5	3.21	120.80	115.23
14	B	814	CL7	C3A-C4A-CHB	-3.21	118.94	123.66
14	A	831	CL7	C3C-C4C-NC	3.21	113.55	110.20
14	L	204	CL7	C1-C2-C3	-3.21	120.94	126.20
14	B	842	CL7	O2A-CGA-CBA	3.21	124.13	114.00
14	A	843	CL7	C3D-C4D-ND	3.21	114.67	110.20
14	F	203	CL7	C3D-C4D-ND	3.20	114.67	110.20
14	A	832	CL7	O2A-C1-C2	3.20	120.43	108.11
14	A	846	CL7	CMC-C2C-C1C	3.20	130.37	124.73
14	A	848	CL7	C3D-C4D-ND	3.20	114.66	110.20
14	A	805	CL7	CHD-C1D-ND	-3.20	119.25	124.05
14	A	842	CL7	C1-C2-C3	-3.20	120.96	126.20
14	A	833	CL7	C3A-C4A-CHB	-3.20	118.96	123.66
14	A	841	CL7	CAC-C3C-C2C	3.20	133.43	127.56
14	A	809	CL7	C3A-C4A-CHB	-3.20	118.96	123.66
14	B	833	CL7	C3A-C4A-CHB	-3.20	118.96	123.66
14	A	827	CL7	C3C-C4C-NC	3.20	113.53	110.20
14	B	814	CL7	O2D-CGD-O1D	-3.19	117.64	123.85
18	B	850	WVN	C35-C32-C31	3.19	122.96	118.09
14	A	814	CL7	C2B-C1B-NB	3.19	113.63	110.33
14	B	818	CL7	C2D-C1D-ND	3.19	113.63	110.33
17	L	203	LMT	O5'-C5'-C6'	-3.19	98.54	106.44
14	B	836	CL7	CHD-C1D-ND	-3.19	119.27	124.05
14	B	845	CL7	C3C-C4C-NC	3.18	113.52	110.20
14	A	811	CL7	CAA-C2A-C3A	-3.18	108.93	116.23
14	B	803	CL7	C2B-C1B-NB	3.18	113.62	110.33
14	A	839	CL7	C3D-C4D-ND	3.18	114.64	110.20
14	B	844	CL7	C1C-C2C-C3C	-3.18	102.25	106.97
14	A	848	CL7	C3A-C4A-CHB	-3.18	118.98	123.66
14	B	826	CL7	CMB-C2B-C1B	3.18	130.26	125.42
14	B	830	CL7	C3C-C4C-NC	3.18	113.52	110.20
14	B	809	CL7	C3A-C4A-CHB	-3.18	118.99	123.66
14	A	844	CL7	C3A-C4A-CHB	-3.18	118.99	123.66
14	A	811	CL7	O2D-CGD-O1D	-3.17	117.67	123.85
14	B	810	CL7	C3A-C4A-CHB	-3.17	119.00	123.66
14	B	834	CL7	O2A-CGA-CBA	3.17	124.02	114.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	845	CL7	C3C-C4C-NC	3.17	113.51	110.20
14	B	824	CL7	C3D-C4D-ND	3.17	114.61	110.20
14	A	810	CL7	C2B-C1B-NB	3.17	113.61	110.33
14	A	805	CL7	O2A-CGA-CBA	3.17	124.00	114.00
14	A	812	CL7	C3D-C4D-ND	3.17	114.61	110.20
14	A	818	CL7	C3C-C4C-NC	3.16	113.50	110.20
14	A	816	CL7	C3C-C4C-NC	3.16	113.50	110.20
14	B	809	CL7	O2A-CGA-CBA	3.16	123.99	114.00
18	A	851	WVN	C33-C34-C37	-3.16	114.04	119.01
14	I	101	CL7	O2A-CGA-CBA	3.16	123.97	114.00
14	A	833	CL7	C3D-C4D-ND	3.16	114.60	110.20
14	B	843	CL7	C2B-C1B-NB	3.15	113.60	110.33
14	B	839	CL7	O2A-CGA-CBA	3.15	123.96	114.00
14	A	804	CL7	O2D-CGD-CBD	3.15	116.74	111.23
14	B	828	CL7	C3A-C4A-CHB	-3.15	119.03	123.66
14	A	809	CL7	C3D-C4D-ND	3.15	114.59	110.20
14	B	836	CL7	C3C-C4C-NC	3.15	113.48	110.20
14	A	819	CL7	C2B-C1B-NB	3.15	113.59	110.33
14	A	845	CL7	C3D-C4D-ND	3.15	114.59	110.20
14	A	817	CL7	C3A-C4A-CHB	-3.14	119.04	123.66
14	A	831	CL7	C3A-C4A-CHB	-3.14	119.04	123.66
14	B	830	CL7	C2B-C1B-NB	3.14	113.59	110.33
14	A	804	CL7	C3C-C4C-NC	3.14	113.48	110.20
14	A	831	CL7	O2A-CGA-CBA	3.14	123.93	114.00
14	A	845	CL7	C3A-C4A-CHB	-3.14	119.04	123.66
14	B	803	CL7	O2A-CGA-CBA	3.14	121.41	111.83
14	A	838	CL7	O2A-C1-C2	3.14	120.19	108.11
14	A	833	CL7	C1-O2A-CGA	3.14	124.25	116.65
14	B	843	CL7	O2A-CGA-CBA	3.14	121.40	111.83
14	B	803	CL7	C1-C2-C3	-3.14	121.06	126.20
14	B	802	CL7	C3D-C4D-ND	3.14	114.57	110.20
14	B	833	CL7	C3D-C4D-ND	3.14	114.57	110.20
14	B	831	CL7	C3C-C4C-NC	3.14	113.47	110.20
14	A	822	CL7	CHD-C1D-ND	-3.14	119.35	124.05
14	B	838	CL7	CMB-C2B-C1B	3.13	130.19	125.42
14	A	807	CL7	O2A-C1-C2	3.13	120.17	108.11
14	L	204	CL7	C3D-C4D-ND	3.13	114.57	110.20
14	B	805	CL7	C1-C2-C3	-3.13	121.06	126.20
14	F	202	CL7	C3C-C4C-NC	3.13	113.46	110.20
14	A	839	CL7	C1C-C2C-C3C	-3.13	102.33	106.97
18	A	853	WVN	C03-C04-C09	-3.13	106.82	112.07
14	A	804	CL7	C3A-C4A-CHB	-3.13	119.06	123.66

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	807	CL7	C3D-C4D-ND	3.13	114.56	110.20
14	A	835	CL7	O2A-CGA-CBA	3.12	123.87	114.00
14	A	832	CL7	C3A-C4A-CHB	-3.12	119.07	123.66
14	F	203	CL7	C3A-C4A-CHB	-3.12	119.07	123.66
14	K	102	CL7	CHD-C1D-ND	-3.12	119.36	124.05
14	B	814	CL7	C1-C2-C3	-3.12	121.08	126.20
14	B	826	CL7	C2B-C1B-NB	3.12	113.56	110.33
14	K	102	CL7	C3C-C4C-NC	3.12	113.46	110.20
14	A	814	CL7	CHD-C1D-ND	-3.12	119.37	124.05
14	B	829	CL7	C2B-C1B-NB	3.12	113.56	110.33
14	B	835	CL7	C3A-C4A-CHB	-3.12	119.08	123.66
14	B	842	CL7	C3D-C4D-ND	3.12	114.55	110.20
14	F	203	CL7	C3C-C4C-NC	3.11	113.45	110.20
14	B	831	CL7	O2A-C1-C2	3.11	120.09	108.11
14	A	820	CL7	C1-C2-C3	-3.11	121.10	126.20
14	A	805	CL7	C3C-C4C-NC	3.11	113.45	110.20
14	L	204	CL7	C3A-C4A-CHB	-3.11	119.09	123.66
14	A	842	CL7	C1C-C2C-C3C	-3.11	102.36	106.97
14	B	807	CL7	CMC-C2C-C1C	3.11	130.20	124.73
14	A	835	CL7	C3A-C4A-CHB	-3.11	119.09	123.66
14	A	855	CL7	C3A-C4A-CHB	-3.11	119.09	123.66
14	A	806	CL7	CHD-C1D-ND	-3.11	119.39	124.05
14	B	838	CL7	CBC-CAC-C3C	-3.11	104.00	112.42
14	A	814	CL7	C3C-C4C-NC	3.10	113.44	110.20
14	A	840	CL7	C4C-C3C-C2C	-3.10	103.02	107.11
18	A	852	WVN	C38-C34-C33	3.10	122.83	118.09
14	A	839	CL7	C2B-C1B-NB	3.10	113.54	110.33
14	A	846	CL7	O2D-CGD-O1D	-3.10	117.81	123.85
14	B	810	CL7	CHD-C1D-ND	-3.10	119.40	124.05
14	K	101	CL7	C3A-C4A-CHB	-3.10	119.11	123.66
14	A	826	CL7	C2B-C1B-NB	3.10	113.54	110.33
14	A	826	CL7	CMB-C2B-C1B	3.10	130.13	125.42
14	K	101	CL7	C3C-C4C-NC	3.10	113.43	110.20
14	F	201	CL7	C2B-C1B-NB	3.09	113.53	110.33
14	A	812	CL7	C3C-C4C-NC	3.09	113.42	110.20
14	A	806	CL7	O2A-C1-C2	3.09	119.98	108.11
17	B	832	LMT	O5'-C1'-C2'	3.09	116.71	110.37
14	B	833	CL7	C3C-C4C-NC	3.08	113.42	110.20
14	A	821	CL7	O2D-CGD-O1D	-3.08	117.85	123.85
14	B	802	CL7	C1-C2-C3	-3.08	121.15	126.20
14	A	816	CL7	C2B-C1B-NB	3.08	113.52	110.33
14	B	804	CL7	C2B-C1B-NB	3.08	113.52	110.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	831	CL7	C3D-C4D-ND	3.08	114.49	110.20
14	K	101	CL7	CAA-C2A-C3A	-3.08	109.18	116.23
14	B	839	CL7	CHD-C1D-ND	-3.07	119.44	124.05
14	A	841	CL7	C1-C2-C3	-3.07	121.16	126.20
14	B	817	CL7	C3C-C4C-NC	3.07	113.41	110.20
14	B	817	CL7	CHD-C1D-ND	-3.07	119.44	124.05
14	A	828	CL7	C3D-C4D-ND	3.07	114.48	110.20
14	A	819	CL7	C4-C3-C5	3.06	120.55	115.23
14	A	848	CL7	C3C-C4C-NC	3.06	113.40	110.20
14	F	203	CL7	C2B-C1B-NB	3.06	113.50	110.33
14	B	828	CL7	C3D-C4D-ND	3.06	114.47	110.20
15	L	208	LHG	O7-C7-C8	3.06	118.10	111.48
14	B	816	CL7	CMB-C2B-C1B	3.06	130.07	125.42
14	B	808	CL7	C2B-C1B-NB	3.05	113.49	110.33
14	A	820	CL7	O2A-CGA-CBA	3.05	121.14	111.83
14	F	203	CL7	O2A-CGA-CBA	3.05	123.63	114.00
14	B	824	CL7	C2B-C1B-NB	3.05	113.49	110.33
14	A	834	CL7	CHD-C1D-ND	-3.05	119.48	124.05
14	F	201	CL7	C3D-C4D-ND	3.05	114.45	110.20
14	A	829	CL7	C3D-C4D-ND	3.04	114.44	110.20
14	A	838	CL7	C3C-C4C-NC	3.04	113.37	110.20
14	A	855	CL7	C2B-C1B-NB	3.04	113.48	110.33
14	A	820	CL7	C4-C3-C5	3.04	119.71	116.13
14	A	805	CL7	O2D-CGD-O1D	-3.04	117.93	123.85
15	A	824	LHG	O8-C23-C24	3.04	121.10	111.83
14	L	207	CL7	C3A-C4A-CHB	-3.04	119.20	123.66
14	A	826	CL7	C1-C2-C3	-3.04	121.22	126.20
14	B	842	CL7	C3C-C4C-NC	3.04	113.37	110.20
14	A	833	CL7	CHD-C1D-ND	-3.03	119.50	124.05
14	F	201	CL7	C3C-C4C-NC	3.03	113.36	110.20
14	B	837	CL7	O2A-CGA-CBA	3.03	123.58	114.00
14	A	815	CL7	CED-O2D-CGD	3.03	122.79	115.92
14	B	805	CL7	C3D-C4D-ND	3.03	114.43	110.20
14	B	830	CL7	CBA-CAA-C2A	-3.03	104.78	113.79
14	A	835	CL7	C3C-C4C-NC	3.03	113.36	110.20
14	A	803	CL7	C1-C2-C3	-3.03	121.24	126.20
14	B	840	CL7	C3C-C4C-NC	3.02	113.36	110.20
14	B	818	CL7	C4-C3-C5	3.02	120.48	115.23
14	A	835	CL7	C3D-C4D-ND	3.02	114.42	110.20
14	B	838	CL7	CHD-C1D-ND	-3.02	119.52	124.05
14	A	817	CL7	C3C-C4C-NC	3.02	113.35	110.20
14	B	805	CL7	O2A-CGA-CBA	3.02	121.04	111.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	822	CL7	C1-O2A-CGA	3.02	123.95	116.65
14	B	839	CL7	CMA-C3A-C2A	-3.02	102.32	113.98
14	B	838	CL7	C3D-C4D-ND	3.02	114.41	110.20
14	I	101	CL7	C3D-C4D-ND	3.01	114.40	110.20
14	B	838	CL7	C3A-C4A-CHB	-3.01	119.23	123.66
14	B	806	CL7	CBA-CAA-C2A	3.01	122.76	113.79
14	A	826	CL7	CAA-C2A-C3A	-3.01	104.86	113.00
14	B	816	CL7	CHD-C1D-ND	-3.01	119.53	124.05
14	B	830	CL7	CHD-C1D-ND	-3.01	119.53	124.05
14	B	806	CL7	C4C-C3C-C2C	-3.01	103.15	107.11
14	B	821	CL7	C2B-C1B-NB	3.00	113.44	110.33
14	B	827	CL7	C2B-C1B-NB	3.00	113.44	110.33
14	A	843	CL7	C3C-C4C-NC	3.00	113.33	110.20
14	A	834	CL7	O2D-CGD-O1D	-3.00	118.01	123.85
14	A	832	CL7	C3D-C4D-ND	3.00	114.38	110.20
14	B	813	CL7	O2A-C1-C2	3.00	119.64	108.11
14	B	808	CL7	CMC-C2C-C1C	2.99	130.00	124.73
14	B	819	CL7	C3D-C4D-ND	2.99	114.38	110.20
14	A	823	CL7	O2A-C1-C2	2.99	119.62	108.11
14	A	817	CL7	C4-C3-C5	2.99	120.42	115.23
14	A	829	CL7	C1-O2A-CGA	2.99	123.89	116.65
14	A	821	CL7	CHD-C1D-ND	-2.99	119.56	124.05
14	A	820	CL7	C3A-C4A-CHB	-2.99	119.27	123.66
14	A	816	CL7	OBD-CAD-C3D	-2.99	121.44	128.42
14	A	807	CL7	C3C-C4C-NC	2.99	113.31	110.20
14	A	819	CL7	CMA-C3A-C2A	-2.98	102.46	113.98
14	B	806	CL7	C4-C3-C5	2.98	120.40	115.23
14	A	842	CL7	O2D-CGD-O1D	-2.98	118.05	123.85
14	B	812	CL7	C3A-C4A-CHB	-2.98	119.28	123.66
14	B	835	CL7	CHD-C1D-ND	-2.98	119.59	124.05
14	B	808	CL7	C3A-C4A-CHB	-2.97	119.29	123.66
14	B	807	CL7	CMB-C2B-C1B	2.97	129.95	125.42
14	A	838	CL7	CHD-C1D-ND	-2.97	119.59	124.05
14	B	843	CL7	C3C-C4C-NC	2.97	113.30	110.20
14	A	814	CL7	CAA-C2A-C3A	-2.97	109.41	116.23
18	B	850	WVN	C01-C02-C11	-2.97	109.41	112.83
14	B	807	CL7	C3B-C2B-C1B	-2.97	103.67	107.17
14	A	827	CL7	CHD-C1D-ND	-2.97	119.59	124.05
14	A	815	CL7	C3D-C4D-ND	2.97	114.33	110.20
13	A	802	PHO	C2B-C1B-NB	-2.96	107.29	109.43
14	A	810	CL7	C3A-C4A-CHB	-2.96	119.30	123.66
14	B	827	CL7	C3D-C4D-ND	2.96	114.33	110.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	827	CL7	C3D-C4D-ND	2.96	114.33	110.20
14	B	833	CL7	CMA-C3A-C2A	2.96	125.44	113.98
14	L	205	CL7	C2B-C1B-NB	2.96	113.40	110.33
14	A	819	CL7	C1-O2A-CGA	2.96	123.82	116.65
14	B	814	CL7	O2A-C1-C2	2.96	119.50	108.11
14	B	809	CL7	C3D-C4D-ND	2.96	114.33	110.20
14	A	819	CL7	O2A-CGA-CBA	2.96	120.86	111.83
14	A	807	CL7	C2B-C1B-NB	2.96	113.39	110.33
14	A	827	CL7	C3A-C4A-CHB	-2.96	119.31	123.66
14	B	802	CL7	C2B-C1B-NB	2.96	113.39	110.33
14	A	816	CL7	C3D-C4D-ND	2.96	114.32	110.20
14	B	811	CL7	CMC-C2C-C1C	2.95	129.93	124.73
14	B	811	CL7	C3C-C4C-NC	2.95	113.28	110.20
14	B	822	CL7	CMB-C2B-C1B	2.95	129.92	125.42
14	A	842	CL7	C4C-C3C-C2C	-2.95	103.23	107.11
14	A	808	CL7	O2D-CGD-O1D	-2.95	118.11	123.85
14	A	808	CL7	CMC-C2C-C1C	2.94	129.91	124.73
14	K	102	CL7	C3D-C4D-ND	2.94	114.30	110.20
14	B	805	CL7	CMC-C2C-C1C	2.94	129.90	124.73
14	B	813	CL7	C3D-C4D-ND	2.94	114.30	110.20
14	A	812	CL7	CHD-C1D-ND	-2.94	119.64	124.05
14	B	831	CL7	CHD-C1D-ND	-2.94	119.64	124.05
14	F	202	CL7	CMB-C2B-C1B	2.93	129.89	125.42
14	A	823	CL7	C1-O2A-CGA	2.93	123.75	116.65
14	A	834	CL7	C3C-C4C-NC	2.93	113.25	110.20
14	A	828	CL7	C4-C3-C5	2.93	120.31	115.23
14	B	835	CL7	C1-O2A-CGA	2.93	123.73	116.65
14	A	810	CL7	C1-O2A-CGA	2.93	123.73	116.65
14	A	839	CL7	CMC-C2C-C1C	2.92	129.88	124.73
13	A	802	PHO	CMA-C3A-C4A	-2.92	108.31	114.61
14	B	844	CL7	C3A-C4A-CHB	-2.92	119.36	123.66
14	B	831	CL7	O2D-CGD-O1D	-2.92	118.16	123.85
14	B	806	CL7	C2B-C1B-NB	2.92	113.36	110.33
14	A	826	CL7	C4-C3-C5	2.92	120.29	115.23
16	A	830	PQN	C14-C13-C15	2.92	120.29	115.23
14	A	818	CL7	C3D-C4D-ND	2.92	114.27	110.20
14	B	837	CL7	C3D-C4D-ND	2.92	114.27	110.20
14	A	834	CL7	C3D-C4D-ND	2.91	114.26	110.20
18	A	850	WVN	C01-C02-C11	-2.91	109.48	112.83
14	B	838	CL7	C2B-C1B-NB	2.91	113.35	110.33
14	A	804	CL7	CHD-C1D-ND	-2.91	119.68	124.05
14	K	102	CL7	C3A-C4A-CHB	-2.91	119.38	123.66

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	808	CL7	C3D-C4D-ND	2.91	114.26	110.20
14	K	101	CL7	CHD-C1D-ND	-2.91	119.69	124.05
14	B	808	CL7	C3C-C4C-NC	2.91	113.23	110.20
14	A	819	CL7	CHD-C1D-ND	-2.91	119.69	124.05
18	A	853	WVN	C02-C11-C19	2.91	129.10	124.58
14	B	840	CL7	CHD-C1D-ND	-2.91	119.69	124.05
14	A	832	CL7	C4-C3-C5	2.91	120.27	115.23
14	A	843	CL7	CHD-C1D-ND	-2.90	119.69	124.05
14	A	840	CL7	C3A-C4A-CHB	-2.90	119.39	123.66
14	B	809	CL7	O2D-CGD-O1D	-2.90	118.20	123.85
14	L	207	CL7	CMB-C2B-C1B	2.90	129.84	125.42
14	B	822	CL7	CHD-C1D-ND	-2.90	119.70	124.05
14	B	811	CL7	C2B-C1B-NB	2.90	113.33	110.33
14	L	207	CL7	C1-C2-C3	-2.90	121.45	126.20
14	B	822	CL7	C3D-C4D-ND	2.90	114.24	110.20
17	B	832	LMT	C1'-C2'-C3'	2.89	116.10	110.01
14	A	846	CL7	C3D-C4D-ND	2.89	114.23	110.20
14	A	813	CL7	C1-O2A-CGA	2.89	123.65	116.65
14	B	811	CL7	C4-C3-C5	2.89	120.24	115.23
14	B	827	CL7	CMB-C2B-C1B	2.88	129.81	125.42
17	B	832	LMT	O5'-C5'-C4'	-2.88	103.77	109.72
14	A	803	CL7	C3C-C4C-NC	2.88	113.20	110.20
14	B	844	CL7	C4C-C3C-C2C	-2.88	103.32	107.11
14	A	823	CL7	C3C-C4C-NC	2.88	113.20	110.20
14	B	818	CL7	C3C-C4C-NC	2.88	113.20	110.20
14	B	802	CL7	CMC-C2C-C1C	2.88	129.79	124.73
14	B	823	CL7	O1D-CGD-CBD	-2.87	118.85	124.52
14	A	838	CL7	C1-C2-C3	-2.87	121.49	126.20
14	A	809	CL7	CHD-C1D-ND	-2.87	119.74	124.05
14	A	827	CL7	C1-C2-C3	-2.87	121.49	126.20
14	A	823	CL7	O2A-CGA-CBA	2.87	120.58	111.83
14	B	837	CL7	C3A-C4A-CHB	-2.87	119.45	123.66
14	A	841	CL7	CMC-C2C-C3C	2.86	133.90	126.15
14	B	830	CL7	CMC-C2C-C3C	2.86	133.90	126.15
14	B	813	CL7	CMC-C2C-C1C	2.86	129.76	124.73
14	A	821	CL7	C3C-C4C-NC	2.86	113.18	110.20
18	L	209	WVN	C31-C32-C36	2.86	123.50	119.01
14	B	829	CL7	CAA-C2A-C1A	-2.86	102.79	112.19
14	B	838	CL7	C3C-C4C-NC	2.86	113.18	110.20
14	A	846	CL7	C3A-C4A-CHB	-2.85	119.47	123.66
14	B	805	CL7	C2B-C1B-NB	2.85	113.28	110.33
14	B	843	CL7	C3D-C4D-ND	2.85	114.17	110.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	815	CL7	CHD-C1D-ND	-2.85	119.78	124.05
14	F	201	CL7	CMC-C2C-C1C	2.85	129.74	124.73
14	A	818	CL7	C2B-C1B-NB	2.85	113.28	110.33
14	A	823	CL7	C4-C3-C2	-2.85	116.32	123.63
14	B	803	CL7	C4C-C3C-C2C	-2.85	103.36	107.11
14	A	844	CL7	C3D-C4D-ND	2.84	114.17	110.20
14	B	811	CL7	CHD-C1D-ND	-2.84	119.78	124.05
14	B	819	CL7	C2B-C1B-NB	2.84	113.27	110.33
14	B	840	CL7	C1-O2A-CGA	2.84	123.52	116.65
14	A	843	CL7	O2D-CGD-O1D	-2.84	118.33	123.85
14	B	802	CL7	O2D-CGD-O1D	-2.84	118.33	123.85
14	F	201	CL7	CHD-C1D-ND	-2.83	119.80	124.05
14	A	841	CL7	C4C-C3C-C2C	-2.83	103.38	107.11
14	A	805	CL7	C3D-C4D-ND	2.83	114.15	110.20
14	A	841	CL7	C3D-C4D-ND	2.83	114.15	110.20
14	B	839	CL7	CMB-C2B-C1B	2.83	129.73	125.42
14	B	834	CL7	C3A-C4A-CHB	-2.83	119.50	123.66
14	B	818	CL7	CMC-C2C-C1C	2.82	129.70	124.73
14	A	839	CL7	CHD-C1D-ND	-2.82	119.82	124.05
14	B	821	CL7	CHD-C1D-ND	-2.82	119.82	124.05
14	A	842	CL7	C3A-C4A-CHB	-2.82	119.51	123.66
14	A	844	CL7	CAA-C2A-C1A	2.82	121.45	112.19
14	B	824	CL7	C3A-C4A-CHB	-2.82	119.52	123.66
14	A	809	CL7	C3C-C4C-NC	2.81	113.14	110.20
14	A	816	CL7	O2D-CGD-O1D	-2.81	118.37	123.85
14	A	855	CL7	CHD-C1D-ND	-2.81	119.83	124.05
17	L	203	LMT	O5'-C1'-O1'	-2.81	103.40	110.04
12	A	801	G9R	C3C-C4C-NC	2.81	114.03	110.43
14	B	808	CL7	C3D-C4D-ND	2.81	114.12	110.20
14	L	205	CL7	C3C-C4C-NC	2.81	113.13	110.20
14	A	820	CL7	C2B-C1B-NB	2.81	113.24	110.33
14	B	816	CL7	O2D-CGD-O1D	-2.81	118.38	123.85
14	A	848	CL7	CHD-C1D-ND	-2.81	119.83	124.05
14	A	841	CL7	CMB-C2B-C1B	2.81	129.70	125.42
14	A	805	CL7	CMC-C2C-C1C	2.81	129.67	124.73
14	A	829	CL7	C3A-C4A-CHB	-2.80	119.54	123.66
14	A	821	CL7	CMC-C2C-C1C	2.80	129.65	124.73
14	A	822	CL7	C3C-C4C-NC	2.79	113.12	110.20
14	B	830	CL7	CAA-CBA-CGA	-2.79	105.28	113.21
14	A	855	CL7	C3D-C4D-ND	2.79	114.09	110.20
15	A	825	LHG	C5-O7-C7	-2.79	111.12	117.80
14	B	819	CL7	O2D-CGD-O1D	-2.79	118.42	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	813	CL7	C2B-C1B-NB	2.79	113.22	110.33
14	B	818	CL7	C3A-C4A-CHB	-2.79	119.56	123.66
14	B	822	CL7	O2D-CGD-O1D	-2.78	118.43	123.85
14	A	846	CL7	CMA-C3A-C2A	-2.78	103.22	113.98
14	L	204	CL7	CMC-C2C-C1C	2.78	129.63	124.73
14	A	819	CL7	O1D-CGD-CBD	-2.78	119.04	124.52
14	A	828	CL7	CHD-C1D-ND	-2.78	119.88	124.05
14	B	840	CL7	OBB-CAB-C3B	-2.78	119.35	125.62
14	B	812	CL7	C4C-C3C-C2C	-2.78	103.45	107.11
14	B	826	CL7	C4-C3-C5	2.78	120.05	115.23
14	A	835	CL7	O2D-CGD-O1D	-2.78	118.44	123.85
14	B	831	CL7	C4-C3-C5	2.78	120.05	115.23
14	F	201	CL7	CMB-C2B-C1B	2.77	129.64	125.42
14	A	827	CL7	CMC-C2C-C1C	2.77	129.61	124.73
14	B	809	CL7	CHD-C1D-ND	-2.77	119.90	124.05
14	A	826	CL7	CHD-C1D-ND	-2.77	119.90	124.05
14	A	816	CL7	CMA-C3A-C2A	-2.77	103.28	113.98
14	K	101	CL7	CMC-C2C-C1C	2.77	129.60	124.73
14	B	823	CL7	CHD-C1D-ND	-2.76	119.90	124.05
17	B	832	LMT	O5B-C1B-C2B	2.76	116.04	110.37
18	F	205	WVN	C21-C15-C14	-2.76	107.72	113.60
14	A	844	CL7	CBA-CAA-C2A	2.76	122.00	113.79
14	B	837	CL7	CHD-C1D-ND	-2.76	119.91	124.05
17	B	832	LMT	C1'-O5'-C5'	2.76	119.10	113.72
14	A	818	CL7	OBB-CAB-C3B	-2.75	119.40	125.62
14	L	205	CL7	CHD-C1D-ND	-2.75	119.92	124.05
14	A	828	CL7	C2B-C1B-NB	2.75	113.18	110.33
14	A	831	CL7	CHD-C1D-ND	-2.75	119.92	124.05
14	F	203	CL7	CHD-C1D-ND	-2.75	119.92	124.05
14	B	829	CL7	OBD-CAD-C3D	-2.75	121.98	128.42
14	B	829	CL7	O2A-C1-C2	2.75	118.70	108.11
14	B	829	CL7	OBB-CAB-C3B	-2.75	119.41	125.62
14	B	806	CL7	CMC-C2C-C1C	2.75	129.57	124.73
14	B	819	CL7	C1-C2-C3	-2.75	121.69	126.20
14	A	817	CL7	C3D-C4D-ND	2.75	114.04	110.20
14	B	845	CL7	C3D-C4D-ND	2.75	114.04	110.20
14	A	832	CL7	C1-C2-C3	-2.75	121.69	126.20
14	B	840	CL7	C2B-C1B-NB	2.75	113.18	110.33
14	A	836	CL7	C3D-C4D-ND	2.75	114.03	110.20
14	B	802	CL7	O1D-CGD-CBD	-2.74	119.11	124.52
14	B	804	CL7	CMC-C2C-C1C	2.74	129.56	124.73
14	A	817	CL7	C3D-C2D-C1D	-2.74	97.64	106.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	844	CL7	CHD-C1D-ND	-2.74	119.93	124.05
14	A	819	CL7	CMC-C2C-C1C	2.74	129.56	124.73
14	A	832	CL7	CHD-C1D-ND	-2.74	119.94	124.05
14	A	840	CL7	CMB-C2B-C1B	2.74	129.59	125.42
14	B	811	CL7	O2D-CGD-O1D	-2.74	118.52	123.85
14	B	821	CL7	C3D-C2D-C1D	-2.74	97.65	106.40
14	B	838	CL7	CMC-C2C-C1C	2.74	129.55	124.73
14	A	818	CL7	O2A-C1-C2	2.74	118.63	108.11
14	A	815	CL7	C3A-C4A-CHB	-2.73	119.64	123.66
14	A	829	CL7	CHD-C1D-ND	-2.73	119.95	124.05
14	B	808	CL7	C4-C3-C5	2.73	119.97	115.23
14	A	807	CL7	C3A-C4A-CHB	-2.73	119.64	123.66
14	B	821	CL7	O2A-CGA-CBA	2.73	120.16	111.83
14	B	812	CL7	C3D-C4D-ND	2.73	114.00	110.20
13	A	802	PHO	C1-C2-C3	-2.73	121.73	126.20
14	B	815	CL7	C3A-C4A-CHB	-2.73	119.65	123.66
14	B	802	CL7	C4C-C3C-C2C	-2.73	103.52	107.11
14	A	812	CL7	C3A-C4A-CHB	-2.73	119.65	123.66
14	A	831	CL7	CMB-C2B-C1B	2.72	129.57	125.42
14	I	101	CL7	CMB-C2B-C1B	2.72	129.57	125.42
14	A	821	CL7	C2B-C1B-NB	2.72	113.15	110.33
14	A	831	CL7	CMC-C2C-C1C	2.72	129.52	124.73
14	A	833	CL7	O2D-CGD-O1D	-2.72	118.55	123.85
14	A	845	CL7	CHD-C1D-ND	-2.72	119.97	124.05
14	A	842	CL7	C2B-C1B-NB	2.72	113.15	110.33
14	B	831	CL7	C3D-C2D-C1D	-2.72	97.71	106.40
14	B	824	CL7	CHD-C1D-ND	-2.72	119.97	124.05
14	A	822	CL7	C1-C2-C3	-2.72	121.75	126.20
14	A	840	CL7	C3D-C4D-ND	2.71	113.98	110.20
14	A	832	CL7	CMC-C2C-C1C	2.71	129.50	124.73
18	I	102	WVN	C39-C36-C32	-2.71	123.48	127.28
14	A	811	CL7	O1D-CGD-CBD	-2.71	119.17	124.52
14	A	823	CL7	CMB-C2B-C1B	2.71	129.54	125.42
14	B	830	CL7	O2D-CGD-O1D	-2.71	118.58	123.85
14	B	828	CL7	CMB-C2B-C1B	2.70	129.54	125.42
14	A	823	CL7	CED-O2D-CGD	2.70	122.05	115.92
14	B	822	CL7	CMA-C3A-C2A	-2.70	103.53	113.98
16	A	830	PQN	C11-C12-C13	-2.70	122.17	126.83
14	B	824	CL7	CMC-C2C-C1C	2.70	129.48	124.73
14	A	810	CL7	CMC-C2C-C1C	2.70	129.48	124.73
14	A	839	CL7	CED-O2D-CGD	2.70	122.03	115.92
14	A	803	CL7	CHD-C1D-ND	-2.70	120.00	124.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	807	CL7	CHD-C1D-ND	-2.70	120.01	124.05
14	B	829	CL7	C3D-C2D-C1D	-2.69	97.80	106.40
14	A	811	CL7	C3D-C4D-ND	2.69	113.95	110.20
16	B	820	PQN	C2M-C2-C3	-2.69	120.03	124.45
14	A	843	CL7	CMC-C2C-C1C	2.69	129.46	124.73
14	L	204	CL7	C2B-C1B-NB	2.69	113.11	110.33
18	B	850	WVN	C06-C13-C20	2.69	122.94	115.65
14	A	831	CL7	O2D-CGD-O1D	-2.69	118.62	123.85
14	A	811	CL7	CMC-C2C-C1C	2.69	129.46	124.73
14	A	840	CL7	C3D-C2D-C1D	-2.68	97.83	106.40
14	A	842	CL7	CMC-C2C-C1C	2.68	129.45	124.73
14	B	831	CL7	C6-C5-C3	-2.68	106.94	113.47
14	A	808	CL7	CHD-C1D-ND	-2.68	120.03	124.05
14	B	835	CL7	OBB-CAB-C3B	-2.68	119.58	125.62
14	B	803	CL7	C5-C3-C2	-2.68	115.16	121.17
20	B	825	LMG	O1-C1-C2	2.67	112.33	108.27
14	A	815	CL7	CMB-C2B-C1B	2.67	129.49	125.42
14	B	845	CL7	C4-C3-C5	2.67	119.87	115.23
14	A	803	CL7	CMC-C2C-C1C	2.67	129.43	124.73
14	A	839	CL7	C3A-C4A-CHB	-2.67	119.73	123.66
14	A	804	CL7	CAA-C2A-C3A	-2.67	105.78	113.00
14	L	207	CL7	C4-C3-C5	2.67	119.86	115.23
17	B	832	LMT	O1'-C1'-C2'	-2.67	104.22	108.27
14	L	205	CL7	C3D-C2D-C1D	-2.67	97.88	106.40
14	A	836	CL7	CMB-C2B-C1B	2.67	129.48	125.42
14	B	834	CL7	CMC-C2C-C1C	2.67	129.42	124.73
14	B	845	CL7	CMB-C2B-C3B	2.66	132.82	126.55
14	A	818	CL7	C3D-C2D-C1D	-2.66	97.89	106.40
14	A	814	CL7	CMC-C2C-C1C	2.66	129.42	124.73
18	L	209	WVN	C01-C02-C11	-2.66	109.77	112.83
14	B	819	CL7	CHC-C1C-NC	-2.66	121.06	124.80
14	B	813	CL7	OBB-CAB-C3B	-2.66	119.62	125.62
14	L	205	CL7	O1D-CGD-CBD	-2.66	119.27	124.52
14	B	816	CL7	C3C-C4C-NC	2.65	112.97	110.20
14	A	839	CL7	C4C-C3C-C2C	-2.65	103.62	107.11
14	I	101	CL7	C4C-C3C-C2C	-2.65	103.62	107.11
14	B	804	CL7	C3D-C2D-C1D	-2.65	97.94	106.40
14	A	809	CL7	CMC-C2C-C1C	2.65	129.39	124.73
14	A	803	CL7	C2B-C1B-NB	2.65	113.07	110.33
14	A	836	CL7	C4-C3-C5	2.65	119.83	115.23
14	B	816	CL7	C1D-ND-C4D	-2.65	104.45	106.31
14	F	202	CL7	O2A-C1-C2	2.64	118.28	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	855	CL7	O2D-CGD-O1D	-2.64	118.70	123.85
14	B	833	CL7	O2D-CGD-O1D	-2.64	118.71	123.85
14	L	207	CL7	CHC-C1C-C2C	-2.64	120.00	125.49
14	B	811	CL7	O2A-C1-C2	2.64	118.27	108.11
14	B	829	CL7	O2D-CGD-O1D	-2.64	118.71	123.85
14	A	819	CL7	C3C-C4C-NC	2.64	112.95	110.20
14	B	833	CL7	CHD-C1D-ND	-2.64	120.09	124.05
14	B	826	CL7	O2A-C1-C2	2.64	118.25	108.11
14	B	804	CL7	O2D-CGD-O1D	-2.64	118.72	123.85
14	A	848	CL7	O2D-CGD-O1D	-2.63	118.72	123.85
14	B	807	CL7	C3D-C2D-C1D	-2.63	97.99	106.40
14	A	809	CL7	O2D-CGD-O1D	-2.63	118.72	123.85
14	F	202	CL7	C3A-C4A-CHB	-2.63	119.79	123.66
14	A	809	CL7	CMB-C2B-C1B	2.63	129.43	125.42
14	B	805	CL7	C3A-C4A-CHB	-2.63	119.79	123.66
14	B	817	CL7	C3A-C4A-CHB	-2.63	119.79	123.66
14	B	833	CL7	CMC-C2C-C1C	2.63	129.36	124.73
14	B	845	CL7	CMC-C2C-C1C	2.63	129.36	124.73
14	K	102	CL7	CMC-C2C-C1C	2.63	129.36	124.73
14	B	842	CL7	OBB-CAB-C3B	-2.63	119.69	125.62
14	A	845	CL7	C4-C3-C5	2.63	119.79	115.23
14	B	805	CL7	CHD-C1D-ND	-2.63	120.11	124.05
14	A	820	CL7	C3D-C4D-ND	2.63	113.86	110.20
14	A	816	CL7	CHD-C1D-ND	-2.63	120.11	124.05
14	A	815	CL7	C4-C3-C5	2.63	119.79	115.23
14	A	811	CL7	CHD-C1D-ND	-2.63	120.11	124.05
14	A	806	CL7	C4-C3-C5	2.63	119.78	115.23
14	A	835	CL7	CHD-C1D-ND	-2.63	120.11	124.05
14	A	846	CL7	C3D-C2D-C1D	-2.62	98.02	106.40
14	B	826	CL7	O2D-CGD-O1D	-2.62	118.74	123.85
14	A	841	CL7	CHD-C1D-ND	-2.62	120.11	124.05
14	B	808	CL7	CHD-C1D-ND	-2.62	120.11	124.05
14	A	803	CL7	O2A-C1-C2	2.62	118.19	108.11
14	A	816	CL7	C3D-C2D-C1D	-2.62	98.03	106.40
14	A	846	CL7	OBB-CAB-C3B	-2.62	119.70	125.62
14	B	806	CL7	C1-O2A-CGA	2.62	122.99	116.65
14	B	823	CL7	C2B-C1B-NB	2.62	113.04	110.33
14	A	811	CL7	CMB-C2B-C1B	2.62	129.40	125.42
14	B	810	CL7	OBB-CAB-C3B	-2.62	119.72	125.62
14	A	846	CL7	C1-O2A-CGA	2.61	122.98	116.65
14	A	806	CL7	CMC-C2C-C1C	2.61	129.33	124.73
12	A	801	G9R	C4-C3-C5	2.61	119.76	115.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	844	CL7	O2D-CGD-O1D	-2.61	118.77	123.85
14	A	826	CL7	C4C-C3C-C2C	-2.61	103.67	107.11
14	B	812	CL7	C3D-C2D-C1D	-2.61	98.07	106.40
14	B	827	CL7	C3A-C4A-CHB	-2.60	119.83	123.66
14	A	819	CL7	CAC-C3C-C4C	2.60	128.59	124.67
14	B	819	CL7	C3D-C2D-C1D	-2.60	98.09	106.40
14	B	806	CL7	O1D-CGD-CBD	-2.60	119.39	124.52
14	B	817	CL7	CMB-C2B-C1B	2.60	129.38	125.42
14	B	842	CL7	CMB-C2B-C1B	2.60	129.38	125.42
14	B	808	CL7	C3D-C2D-C1D	-2.60	98.10	106.40
14	B	827	CL7	OBD-CAD-C3D	-2.60	122.34	128.42
14	B	831	CL7	CMC-C2C-C1C	2.60	129.31	124.73
14	A	823	CL7	C4-C3-C5	2.60	119.74	115.23
14	A	843	CL7	C3A-C4A-CHB	-2.60	119.84	123.66
14	B	843	CL7	C3A-C4A-CHB	-2.60	119.84	123.66
14	B	833	CL7	CMB-C2B-C1B	2.60	129.37	125.42
14	B	827	CL7	C4C-C3C-C2C	-2.60	103.69	107.11
14	I	101	CL7	CHD-C1D-ND	-2.60	120.16	124.05
14	B	805	CL7	C1-O2A-CGA	2.60	122.93	116.65
14	A	811	CL7	C3D-C2D-C1D	-2.59	98.11	106.40
14	L	207	CL7	CHD-C1D-ND	-2.59	120.16	124.05
14	B	829	CL7	C4C-C3C-C2C	-2.59	103.69	107.11
14	A	823	CL7	CHD-C1D-ND	-2.59	120.16	124.05
12	A	801	G9R	C1-O2A-CGA	2.59	122.92	116.65
14	K	102	CL7	CMB-C2B-C1B	2.59	129.37	125.42
14	B	822	CL7	C4-C3-C5	2.59	119.72	115.23
16	A	830	PQN	C2M-C2-C3	-2.59	120.20	124.45
14	A	839	CL7	C3D-C2D-C1D	-2.59	98.14	106.40
14	B	828	CL7	CMA-C3A-C2A	-2.59	103.98	113.98
14	B	823	CL7	CMC-C2C-C1C	2.58	129.28	124.73
14	L	205	CL7	O2D-CGD-O1D	-2.58	118.82	123.85
14	A	848	CL7	CMC-C2C-C1C	2.58	129.28	124.73
14	A	806	CL7	O2D-CGD-O1D	-2.58	118.82	123.85
20	B	825	LMG	C7-O1-C1	2.58	119.33	113.80
14	B	808	CL7	C1-C2-C3	-2.58	121.97	126.20
14	B	829	CL7	C2A-C1A-CHA	-2.58	121.21	126.36
14	A	839	CL7	OBD-CAD-C3D	-2.58	122.39	128.42
14	A	813	CL7	C3A-C4A-CHB	-2.58	119.87	123.66
14	F	202	CL7	C3D-C2D-C1D	-2.58	98.17	106.40
14	B	814	CL7	C4B-C3B-C2B	-2.58	104.10	107.30
14	F	203	CL7	CMA-C3A-C2A	-2.58	104.02	113.98
14	B	806	CL7	CMB-C2B-C1B	2.58	129.34	125.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
12	A	801	G9R	C2A-C3A-C4A	-2.57	97.71	101.87
14	B	840	CL7	CMC-C2C-C1C	2.57	129.26	124.73
14	B	822	CL7	C11-C12-C13	-2.57	107.41	115.97
14	B	804	CL7	CHD-C1D-ND	-2.57	120.19	124.05
14	B	831	CL7	C3A-C4A-CHB	-2.57	119.88	123.66
14	F	201	CL7	C3A-C4A-CHB	-2.57	119.88	123.66
14	B	828	CL7	C3C-C4C-NC	2.57	112.88	110.20
14	A	821	CL7	C3D-C2D-C1D	-2.57	98.19	106.40
14	A	810	CL7	CMB-C2B-C1B	2.57	129.33	125.42
14	A	818	CL7	CHD-C1D-ND	-2.57	120.20	124.05
14	L	205	CL7	O2A-C1-C2	2.57	117.99	108.11
14	A	844	CL7	CMA-C3A-C2A	-2.57	104.06	113.98
14	A	809	CL7	C1-C2-C3	-2.57	122.61	126.76
14	B	822	CL7	CMC-C2C-C1C	2.57	129.25	124.73
14	A	821	CL7	C3A-C4A-CHB	-2.57	119.89	123.66
14	B	845	CL7	O2D-CGD-O1D	-2.56	118.86	123.85
14	B	810	CL7	CMC-C2C-C1C	2.56	129.24	124.73
14	L	204	CL7	C3D-C2D-C1D	-2.56	98.21	106.40
14	A	823	CL7	CAA-CBA-CGA	-2.56	105.93	113.21
14	B	805	CL7	CMB-C2B-C1B	2.56	129.32	125.42
14	B	814	CL7	C4-C3-C5	2.56	119.68	115.23
14	A	828	CL7	C3D-C2D-C1D	-2.56	98.23	106.40
14	B	814	CL7	C3B-C2B-C1B	-2.56	104.16	107.17
14	B	802	CL7	C3D-C2D-C1D	-2.56	98.24	106.40
14	B	823	CL7	C3D-C2D-C1D	-2.56	98.24	106.40
14	B	834	CL7	O2D-CGD-O1D	-2.56	118.87	123.85
14	B	806	CL7	C3D-C2D-C1D	-2.56	98.24	106.40
14	B	840	CL7	C3A-C4A-CHB	-2.55	119.78	124.10
14	B	803	CL7	C7-C6-C5	-2.55	106.46	113.26
14	B	803	CL7	O2D-CGD-O1D	-2.55	118.88	123.85
18	I	102	WVN	C40-C37-C34	2.55	130.86	127.28
14	B	811	CL7	C3D-C2D-C1D	-2.55	98.25	106.40
14	B	827	CL7	C3D-C2D-C1D	-2.55	98.25	106.40
14	A	840	CL7	C1C-C2C-C3C	-2.55	103.19	106.97
14	A	834	CL7	O1D-CGD-CBD	-2.55	119.49	124.52
14	B	813	CL7	C3D-C2D-C1D	-2.55	98.26	106.40
14	A	855	CL7	CAC-C3C-C4C	2.55	128.50	124.67
14	B	839	CL7	C3A-C4A-CHB	-2.54	119.92	123.66
18	A	849	WVN	C01-C02-C11	-2.54	109.90	112.83
14	A	822	CL7	C3D-C2D-C1D	-2.54	98.28	106.40
14	B	812	CL7	O2D-CGD-O1D	-2.54	118.90	123.85
14	B	845	CL7	C3D-C2D-C1D	-2.54	98.29	106.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	826	CL7	C3A-C4A-CHB	-2.54	119.92	123.66
14	A	814	CL7	C3A-C4A-CHB	-2.54	119.93	123.66
14	B	843	CL7	C1-C2-C3	-2.54	122.04	126.20
14	A	818	CL7	C3A-C4A-CHB	-2.54	119.93	123.66
14	A	827	CL7	C3D-C2D-C1D	-2.54	98.29	106.40
14	B	805	CL7	O2A-C1-C2	2.53	117.86	108.11
15	A	824	LHG	O7-C7-C8	2.53	120.24	110.93
14	A	855	CL7	CMC-C2C-C1C	2.53	129.19	124.73
14	B	806	CL7	C3A-C4A-CHB	-2.53	119.94	123.66
14	A	846	CL7	CAA-C2A-C1A	-2.53	103.86	112.19
14	B	831	CL7	CMB-C2B-C1B	2.53	129.27	125.42
14	B	810	CL7	O2D-CGD-O1D	-2.53	118.93	123.85
14	K	101	CL7	O2D-CGD-O1D	-2.53	118.93	123.85
14	B	821	CL7	O1D-CGD-CBD	-2.53	119.53	124.52
14	B	837	CL7	C3D-C2D-C1D	-2.53	98.33	106.40
14	A	829	CL7	C1-C2-C3	-2.52	122.06	126.20
14	B	819	CL7	CHD-C4C-C3C	-2.52	120.88	124.86
14	A	822	CL7	C3A-C4A-CHB	-2.52	119.95	123.66
14	B	830	CL7	C4-C3-C2	-2.52	117.15	123.63
14	B	805	CL7	C3D-C2D-C1D	-2.52	98.35	106.40
14	A	826	CL7	CMA-C3A-C2A	2.52	123.72	113.98
14	B	837	CL7	CMA-C3A-C2A	-2.52	104.24	113.98
14	A	846	CL7	CBC-CAC-C3C	-2.52	105.59	112.42
14	B	808	CL7	O2D-CGD-O1D	-2.52	118.95	123.85
14	A	838	CL7	CMC-C2C-C1C	2.52	129.16	124.73
14	B	815	CL7	O2D-CGD-O1D	-2.52	118.95	123.85
14	B	834	CL7	CMB-C2B-C1B	2.52	129.25	125.42
14	B	816	CL7	CMC-C2C-C1C	2.52	129.16	124.73
14	A	855	CL7	C3D-C2D-C1D	-2.51	98.37	106.40
14	B	819	CL7	C4-C3-C5	2.51	119.59	115.23
14	A	805	CL7	OBB-CAB-C3B	-2.51	119.95	125.62
14	B	802	CL7	CHC-C1C-NC	-2.51	121.27	124.80
14	B	839	CL7	CMC-C2C-C1C	2.51	129.15	124.73
14	A	816	CL7	CMC-C2C-C1C	2.51	129.15	124.73
14	A	829	CL7	O2D-CGD-O1D	-2.51	118.97	123.85
14	A	806	CL7	C3A-C4A-CHB	-2.51	119.97	123.66
14	B	842	CL7	O2D-CGD-O1D	-2.51	118.97	123.85
14	A	813	CL7	O2D-CGD-O1D	-2.50	118.97	123.85
14	B	829	CL7	C3D-C4D-ND	2.50	113.69	110.20
14	A	810	CL7	O2D-CGD-O1D	-2.50	118.97	123.85
14	F	201	CL7	O2D-CGD-O1D	-2.50	118.98	123.85
14	B	822	CL7	C3D-C2D-C1D	-2.50	98.41	106.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	805	CL7	CHC-C1C-NC	-2.50	121.28	124.80
16	A	830	PQN	C12-C11-C3	-2.50	105.92	112.08
14	B	814	CL7	C3D-C4D-ND	2.50	113.69	110.20
14	B	817	CL7	CMC-C2C-C1C	2.50	129.13	124.73
14	B	842	CL7	C3A-C4A-CHB	-2.50	119.99	123.66
14	A	803	CL7	C4-C3-C5	2.50	119.56	115.23
14	A	848	CL7	CMB-C2B-C1B	2.50	129.22	125.42
14	A	833	CL7	CMB-C2B-C1B	2.50	129.22	125.42
14	L	205	CL7	CMB-C2B-C1B	2.49	129.22	125.42
14	A	845	CL7	C3D-C2D-C1D	-2.49	98.44	106.40
14	A	804	CL7	CMC-C2C-C1C	2.49	129.11	124.73
14	A	844	CL7	CAA-C2A-C3A	-2.49	106.27	113.00
14	B	816	CL7	C3D-C4D-ND	2.49	113.67	110.20
14	A	815	CL7	CBA-CAA-C2A	-2.49	106.39	113.79
14	L	207	CL7	CMA-C3A-C2A	-2.49	104.36	113.98
14	A	833	CL7	C3C-C4C-NC	2.49	112.79	110.20
14	B	844	CL7	C4-C3-C5	2.49	119.54	115.23
14	A	834	CL7	C3D-C2D-C1D	-2.48	98.47	106.40
14	A	822	CL7	O2D-CGD-O1D	-2.48	119.02	123.85
14	B	808	CL7	C1-O2A-CGA	2.48	122.66	116.65
14	A	832	CL7	CMB-C2B-C1B	2.48	129.20	125.42
14	A	828	CL7	C4C-C3C-C2C	-2.48	103.84	107.11
14	B	843	CL7	C3D-C2D-C1D	-2.48	98.48	106.40
14	B	813	CL7	C4C-C3C-C2C	-2.48	103.84	107.11
14	B	830	CL7	CHC-C1C-C2C	-2.48	120.33	125.49
15	A	825	LHG	O8-C23-O10	-2.48	117.43	123.63
14	K	102	CL7	O2D-CGD-O1D	-2.48	119.03	123.85
14	A	816	CL7	C3A-C4A-CHB	-2.48	120.02	123.66
14	A	829	CL7	CMB-C2B-C1B	2.48	129.19	125.42
14	A	804	CL7	CMB-C2B-C1B	2.47	129.19	125.42
14	B	824	CL7	C3D-C2D-C1D	-2.47	98.50	106.40
14	A	822	CL7	CMC-C2C-C1C	2.47	129.08	124.73
14	F	203	CL7	O2D-CGD-O1D	-2.47	119.04	123.85
14	I	101	CL7	C3D-C2D-C1D	-2.47	98.51	106.40
14	A	841	CL7	CBC-CAC-C3C	2.47	119.11	112.42
14	A	836	CL7	O2D-CGD-O1D	-2.47	119.04	123.85
14	A	855	CL7	C4C-C3C-C2C	-2.47	103.86	107.11
14	B	838	CL7	C3D-C2D-C1D	-2.47	98.52	106.40
14	A	807	CL7	C3D-C2D-C1D	-2.46	98.53	106.40
14	A	809	CL7	CAC-C3C-C4C	2.46	128.38	124.67
14	B	829	CL7	CMC-C2C-C1C	2.46	129.07	124.73
14	A	807	CL7	O2D-CGD-O1D	-2.46	119.06	123.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	810	CL7	C3D-C2D-C1D	-2.46	98.54	106.40
14	A	829	CL7	CMC-C2C-C1C	2.46	129.06	124.73
14	A	833	CL7	CMC-C2C-C1C	2.46	129.06	124.73
14	A	810	CL7	CAC-C3C-C4C	2.46	128.37	124.67
14	B	814	CL7	CHD-C1D-ND	-2.46	120.36	124.05
16	B	820	PQN	C14-C13-C15	2.46	119.49	115.23
14	B	835	CL7	CMA-C3A-C2A	-2.45	104.49	113.98
14	A	846	CL7	CHD-C1D-ND	-2.45	120.37	124.05
14	A	827	CL7	C4-C3-C5	2.45	119.49	115.23
14	B	802	CL7	OBB-CAB-C3B	-2.45	120.08	125.62
14	L	207	CL7	C2B-C1B-NB	2.45	112.87	110.33
14	B	802	CL7	CMB-C2B-C1B	2.45	129.15	125.42
14	A	823	CL7	CAC-C3C-C4C	2.45	128.35	124.67
14	B	834	CL7	CMA-C3A-C2A	-2.45	104.52	113.98
14	B	836	CL7	CMC-C2C-C1C	2.45	129.04	124.73
14	B	830	CL7	C3A-C4A-CHB	-2.45	120.06	123.66
18	A	851	WVN	C01-C02-C11	-2.45	110.01	112.83
14	A	836	CL7	CMC-C2C-C1C	2.45	129.04	124.73
14	A	810	CL7	C3D-C2D-C1D	-2.45	98.59	106.40
14	A	846	CL7	CMB-C2B-C1B	2.44	129.14	125.42
14	K	101	CL7	CMB-C2B-C1B	2.44	129.14	125.42
20	B	825	LMG	O7-C10-O9	-2.44	117.99	123.70
14	L	204	CL7	CHD-C1D-ND	-2.44	120.39	124.05
14	A	817	CL7	CHD-C1D-ND	-2.44	120.39	124.05
14	A	845	CL7	C1-O2A-CGA	2.44	122.55	116.65
14	A	841	CL7	O2D-CGD-O1D	-2.44	119.10	123.85
14	B	805	CL7	O2D-CGD-O1D	-2.44	119.10	123.85
14	B	815	CL7	CMC-C2C-C1C	2.44	129.02	124.73
14	A	844	CL7	C4C-C3C-C2C	-2.44	103.90	107.11
12	A	801	G9R	CHD-C1D-ND	-2.44	121.37	124.80
14	A	845	CL7	C4C-C3C-C2C	-2.44	103.90	107.11
14	L	205	CL7	CMC-C2C-C1C	2.44	129.02	124.73
14	A	804	CL7	C3D-C2D-C1D	-2.43	98.63	106.40
14	B	836	CL7	C3D-C2D-C1D	-2.43	98.63	106.40
14	B	835	CL7	O2D-CGD-O1D	-2.43	119.11	123.85
14	B	845	CL7	CAC-C3C-C4C	2.43	128.33	124.67
14	A	820	CL7	C3D-C2D-C1D	-2.43	98.63	106.40
14	B	843	CL7	OBD-CAD-C3D	-2.43	122.74	128.42
14	A	832	CL7	C3D-C2D-C1D	-2.43	98.64	106.40
20	B	825	LMG	C1-O6-C5	2.43	118.46	113.72
14	B	842	CL7	C3D-C2D-C1D	-2.43	98.65	106.40
14	A	833	CL7	C3D-C2D-C1D	-2.43	98.65	106.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	817	CL7	CMC-C2C-C1C	2.42	129.00	124.73
14	B	817	CL7	C3D-C2D-C1D	-2.42	98.66	106.40
14	B	834	CL7	C3C-C4C-NC	2.42	112.73	110.20
14	A	848	CL7	C3D-C2D-C1D	-2.42	98.66	106.40
14	A	810	CL7	C4C-C3C-C2C	-2.42	103.92	107.11
17	B	832	LMT	C1B-O1B-C4'	-2.42	112.24	117.98
14	A	814	CL7	C3D-C2D-C1D	-2.42	98.67	106.40
14	B	823	CL7	O2D-CGD-O1D	-2.42	119.14	123.85
14	B	845	CL7	CHD-C1D-ND	-2.42	120.42	124.05
14	B	817	CL7	O2D-CGD-O1D	-2.42	119.14	123.85
14	A	826	CL7	C3D-C2D-C1D	-2.42	98.67	106.40
14	L	207	CL7	C3D-C2D-C1D	-2.42	98.68	106.40
14	B	804	CL7	C3D-C4D-ND	2.42	113.57	110.20
14	B	809	CL7	C3D-C2D-C1D	-2.42	98.68	106.40
14	A	810	CL7	C1-C2-C3	-2.42	122.24	126.20
14	B	828	CL7	O2D-CGD-O1D	-2.42	119.15	123.85
14	B	844	CL7	C3D-C2D-C1D	-2.42	98.69	106.40
14	B	823	CL7	CMB-C2B-C1B	2.41	129.09	125.42
14	B	830	CL7	C3D-C2D-C1D	-2.41	98.69	106.40
14	B	837	CL7	CMB-C2B-C1B	2.41	129.09	125.42
14	F	202	CL7	C4-C3-C2	-2.41	117.43	123.63
14	A	808	CL7	CAC-C3C-C4C	2.41	128.30	124.67
14	B	834	CL7	C3D-C2D-C1D	-2.41	98.70	106.40
18	L	201	WVN	C08-C01-C03	-2.41	104.00	109.01
14	B	807	CL7	CAA-CBA-CGA	-2.41	106.37	113.21
14	A	809	CL7	C3D-C2D-C1D	-2.41	98.71	106.40
14	A	841	CL7	C3D-C2D-C1D	-2.41	98.71	106.40
14	L	205	CL7	CHC-C1C-NC	-2.41	121.42	124.80
14	A	836	CL7	C3D-C2D-C1D	-2.40	98.72	106.40
14	A	812	CL7	C3D-C2D-C1D	-2.40	98.72	106.40
14	A	839	CL7	CAC-C3C-C4C	2.40	128.29	124.67
14	A	806	CL7	C1-O2A-CGA	2.40	122.47	116.65
14	A	823	CL7	C3D-C2D-C1D	-2.40	98.73	106.40
14	B	822	CL7	C4C-C3C-C2C	-2.40	103.95	107.11
14	A	819	CL7	C3D-C2D-C1D	-2.40	98.74	106.40
14	A	807	CL7	C4-C3-C5	2.40	119.39	115.23
14	A	842	CL7	C3D-C2D-C1D	-2.40	98.74	106.40
14	B	844	CL7	CMB-C2B-C1B	2.40	129.07	125.42
14	B	810	CL7	O1D-CGD-CBD	-2.40	119.79	124.52
14	A	810	CL7	CHD-C4C-NC	-2.40	121.43	124.80
14	A	831	CL7	C3D-C2D-C1D	-2.39	98.75	106.40
14	K	102	CL7	C3D-C2D-C1D	-2.39	98.75	106.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	823	CL7	C3A-C4A-CHB	-2.39	120.14	123.66
14	B	829	CL7	C4-C3-C5	2.39	120.09	114.59
14	B	812	CL7	CHD-C1D-ND	-2.39	120.46	124.05
14	A	840	CL7	C4-C3-C5	2.39	119.38	115.23
14	A	805	CL7	C3D-C2D-C1D	-2.39	98.77	106.40
12	A	801	G9R	C6-C5-C3	-2.39	107.65	113.47
14	A	815	CL7	C4C-C3C-C2C	-2.39	103.97	107.11
14	A	833	CL7	O1D-CGD-CBD	-2.38	119.81	124.52
18	M	101	WVN	C38-C34-C33	-2.38	114.45	118.09
14	B	839	CL7	C3D-C2D-C1D	-2.38	98.79	106.40
14	B	814	CL7	CHC-C1C-C2C	-2.38	120.53	125.49
14	A	808	CL7	C3C-C4C-NC	2.38	112.69	110.20
14	B	812	CL7	OBB-CAB-C3B	-2.38	120.24	125.62
14	B	828	CL7	C3D-C2D-C1D	-2.38	98.79	106.40
14	B	829	CL7	CMA-C3A-C2A	-2.37	104.80	113.98
14	A	813	CL7	CHC-C1C-C2C	-2.37	120.55	125.49
14	L	205	CL7	C1-C2-C3	-2.37	122.31	126.20
17	B	841	LMT	C3B-C4B-C5B	-2.37	105.93	110.23
14	B	830	CL7	CMB-C2B-C3B	2.37	132.13	126.55
14	A	803	CL7	C3D-C2D-C1D	-2.37	98.83	106.40
14	A	838	CL7	C3D-C2D-C1D	-2.37	98.84	106.40
14	F	203	CL7	C3D-C2D-C1D	-2.37	98.84	106.40
14	B	837	CL7	C4C-C3C-C2C	-2.37	103.99	107.11
14	A	840	CL7	CAA-CBA-CGA	-2.37	106.49	113.21
14	B	830	CL7	O2A-C1-C2	2.37	117.21	108.11
18	A	850	WVN	C30-C28-C25	-2.37	123.96	127.28
14	K	101	CL7	C3D-C2D-C1D	-2.36	98.85	106.40
14	A	820	CL7	CMC-C2C-C1C	2.36	128.89	124.73
14	B	807	CL7	C1-O2A-CGA	2.36	122.37	116.65
14	K	102	CL7	OBB-CAB-C3B	-2.36	120.29	125.62
14	B	837	CL7	CAC-C3C-C4C	2.36	128.22	124.67
14	B	829	CL7	C3A-C4A-CHB	-2.36	120.19	123.66
14	B	830	CL7	OBB-CAB-C3B	-2.36	120.30	125.62
14	A	814	CL7	CMB-C2B-C1B	2.36	129.01	125.42
14	B	821	CL7	C3A-C4A-CHB	-2.36	120.19	123.66
14	A	805	CL7	CMB-C2B-C1B	2.36	129.01	125.42
14	A	812	CL7	C4C-C3C-C2C	-2.36	104.01	107.11
14	A	829	CL7	C4C-C3C-C2C	-2.35	104.01	107.11
14	A	833	CL7	OBB-CAB-C3B	-2.35	120.31	125.62
14	A	835	CL7	CMC-C2C-C1C	2.35	128.87	124.73
14	B	826	CL7	C3D-C2D-C1D	-2.35	98.89	106.40
18	K	103	WVN	C40-C37-C34	-2.35	123.98	127.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	826	CL7	CHD-C1D-ND	-2.35	120.52	124.05
14	B	845	CL7	C4C-C3C-C2C	-2.35	104.02	107.11
14	A	820	CL7	CBA-CAA-C2A	-2.34	106.82	113.79
14	A	833	CL7	CAA-CBA-CGA	-2.34	106.56	113.21
14	B	806	CL7	CAC-C3C-C4C	2.34	128.19	124.67
14	B	815	CL7	C3D-C2D-C1D	-2.34	98.93	106.40
14	B	809	CL7	C4C-C3C-C2C	-2.34	104.03	107.11
14	A	805	CL7	O1D-CGD-CBD	-2.34	119.91	124.52
14	L	204	CL7	O1D-CGD-CBD	-2.34	119.91	124.52
14	K	101	CL7	OBB-CAB-C3B	-2.34	120.35	125.62
14	B	814	CL7	C3D-C2D-C1D	-2.34	98.94	106.40
14	A	844	CL7	CMC-C2C-C1C	2.33	128.84	124.73
14	A	842	CL7	CAD-C3D-C2D	-2.33	139.35	144.26
14	B	830	CL7	CED-O2D-CGD	2.33	121.21	115.92
14	A	813	CL7	C4-C3-C5	2.33	119.28	115.23
14	B	810	CL7	C4C-C3C-C2C	-2.33	104.04	107.11
14	B	823	CL7	C3A-C4A-CHB	-2.33	120.23	123.66
14	B	815	CL7	C4C-C3C-C2C	-2.33	104.04	107.11
14	B	807	CL7	CHD-C1D-ND	-2.33	120.55	124.05
14	F	201	CL7	OBB-CAB-C3B	-2.33	120.36	125.62
14	A	835	CL7	C3D-C2D-C1D	-2.33	98.96	106.40
14	F	202	CL7	C4C-C3C-C2C	-2.33	104.04	107.11
14	L	205	CL7	C2A-C1A-CHA	-2.33	121.71	126.36
14	F	203	CL7	CMC-C2C-C1C	2.33	128.82	124.73
14	F	201	CL7	C3D-C2D-C1D	-2.32	98.98	106.40
14	A	820	CL7	O2D-CGD-O1D	-2.32	119.33	123.85
14	L	204	CL7	CAC-C3C-C4C	2.32	128.16	124.67
14	B	811	CL7	CHC-C1C-NC	-2.32	121.54	124.80
14	A	806	CL7	CAC-C3C-C4C	2.32	128.16	124.67
14	A	838	CL7	C4-C3-C5	2.32	119.25	115.23
14	L	204	CL7	C4-C3-C5	2.32	119.25	115.23
14	A	843	CL7	C3D-C2D-C1D	-2.31	99.01	106.40
17	B	841	LMT	O5B-C1B-C2B	2.31	115.12	110.37
14	B	805	CL7	C4-C3-C5	2.31	119.25	115.23
14	A	813	CL7	O2A-C1-C2	2.31	117.01	108.11
14	I	101	CL7	O2D-CGD-O1D	-2.31	119.35	123.85
17	B	832	LMT	C1B-C2B-C3B	2.31	114.87	110.01
14	A	806	CL7	C3D-C2D-C1D	-2.31	99.04	106.40
14	B	811	CL7	O1D-CGD-CBD	-2.31	119.97	124.52
14	A	834	CL7	CMB-C2B-C1B	2.30	128.93	125.42
14	B	810	CL7	CMB-C2B-C1B	2.30	128.93	125.42
14	B	833	CL7	C3D-C2D-C1D	-2.30	99.04	106.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	823	CL7	OBB-CAB-C3B	-2.30	120.42	125.62
14	B	813	CL7	CHD-C1D-ND	-2.30	120.60	124.05
14	A	808	CL7	CMB-C2B-C1B	2.30	128.92	125.42
14	B	811	CL7	CMB-C2B-C1B	2.30	128.92	125.42
14	B	822	CL7	CHD-C4C-C3C	-2.30	121.24	124.86
14	A	842	CL7	O1D-CGD-CBD	-2.30	119.99	124.52
14	A	803	CL7	CMB-C2B-C1B	2.29	128.91	125.42
14	A	821	CL7	O2A-C1-C2	2.29	116.93	108.11
14	B	827	CL7	CHD-C1D-ND	-2.29	120.61	124.05
14	A	813	CL7	C3D-C2D-C1D	-2.29	99.09	106.40
14	A	838	CL7	CMA-C3A-C2A	-2.29	105.13	113.98
14	B	806	CL7	O2D-CGD-O1D	-2.29	119.39	123.85
14	A	823	CL7	O2D-CGD-O1D	-2.29	119.40	123.85
14	A	831	CL7	OBB-CAB-C3B	-2.29	120.46	125.62
14	B	821	CL7	C3D-C4D-ND	2.29	113.39	110.20
14	B	843	CL7	CHD-C1D-ND	-2.29	120.62	124.05
14	B	845	CL7	CHB-C1B-C2B	-2.28	120.80	127.43
14	B	806	CL7	O2A-C1-C2	2.28	116.89	108.11
14	A	846	CL7	CHC-C1C-NC	-2.28	121.59	124.80
14	B	833	CL7	OBB-CAB-C3B	-2.28	120.47	125.62
14	A	829	CL7	C3D-C2D-C1D	-2.28	99.11	106.40
14	B	817	CL7	C4-C3-C5	2.28	119.84	114.59
17	B	832	LMT	C1-O1'-C1'	2.28	117.58	113.68
14	A	842	CL7	CAC-C3C-C4C	2.28	128.10	124.67
14	B	824	CL7	O2D-CGD-O1D	-2.28	119.41	123.85
14	A	815	CL7	C3D-C2D-C1D	-2.28	99.11	106.40
14	B	816	CL7	CAC-C3C-C4C	2.28	128.10	124.67
14	A	817	CL7	C1-C2-C3	-2.28	122.47	126.20
14	B	816	CL7	CHB-C1B-C2B	-2.27	120.83	127.43
14	A	806	CL7	C4C-C3C-C2C	-2.27	104.12	107.11
14	A	821	CL7	C4-C3-C2	-2.27	117.79	123.63
14	A	823	CL7	OBB-CAB-C3B	-2.27	120.49	125.62
12	A	801	G9R	CMC-C2C-C1C	2.27	128.58	125.03
14	A	836	CL7	C4C-C3C-C2C	-2.27	104.12	107.11
14	B	819	CL7	C2A-C1A-CHA	-2.27	121.82	126.36
14	A	839	CL7	CAD-C3D-C2D	-2.27	139.48	144.26
14	A	808	CL7	C3D-C2D-C1D	-2.27	99.16	106.40
14	B	811	CL7	CAA-CBA-CGA	-2.27	106.77	113.21
14	B	845	CL7	CED-O2D-CGD	2.27	121.06	115.92
14	B	807	CL7	C4C-C3C-C2C	-2.27	104.12	107.11
14	B	829	CL7	C1-O2A-CGA	2.27	122.14	116.65
14	B	834	CL7	OBB-CAB-C3B	-2.27	120.50	125.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	803	CL7	C3D-C2D-C1D	-2.27	99.16	106.40
13	A	854	PHO	CGD-CBD-CAD	-2.27	103.51	110.85
14	A	807	CL7	O1D-CGD-CBD	-2.27	120.05	124.52
14	A	842	CL7	C3D-C4D-ND	2.27	113.36	110.20
14	B	802	CL7	C1-O2A-CGA	2.26	122.13	116.65
12	A	801	G9R	C4D-C3D-CAD	2.26	110.56	108.11
14	L	207	CL7	O2D-CGD-O1D	-2.26	119.45	123.85
14	B	807	CL7	CAA-C2A-C3A	-2.26	106.91	113.00
14	A	805	CL7	CMA-C3A-C2A	2.25	122.70	113.98
14	B	822	CL7	C11-C10-C8	-2.25	108.47	115.97
14	A	841	CL7	C4-C3-C5	2.25	119.14	115.23
14	B	830	CL7	OBD-CAD-C3D	-2.25	123.15	128.42
14	B	807	CL7	O2D-CGD-O1D	-2.25	119.47	123.85
14	B	821	CL7	CAC-C3C-C4C	2.25	128.06	124.67
14	A	844	CL7	C3D-C2D-C1D	-2.25	99.21	106.40
14	A	813	CL7	CBA-CAA-C2A	2.25	120.48	113.79
14	A	805	CL7	CHD-C4C-C3C	-2.25	121.31	124.86
14	A	813	CL7	C3C-C4C-NC	2.25	112.54	110.20
14	A	841	CL7	CHD-C4C-NC	-2.25	121.64	124.80
14	A	836	CL7	CAC-C3C-C4C	2.25	128.05	124.67
14	F	203	CL7	OBB-CAB-C3B	-2.24	120.55	125.62
14	A	807	CL7	C1-C2-C3	-2.24	122.52	126.20
12	A	801	G9R	C2B-C1B-NB	2.24	112.65	110.33
14	B	821	CL7	C4-C3-C5	2.24	119.12	115.23
14	B	816	CL7	C3D-C2D-C1D	-2.24	99.25	106.40
14	A	820	CL7	CHD-C1D-ND	-2.24	120.69	124.05
14	B	822	CL7	C3A-C4A-CHB	-2.24	120.37	123.66
14	B	840	CL7	CAA-C2A-C1A	2.24	114.04	108.51
14	B	814	CL7	CHD-C4C-NC	-2.24	121.65	124.80
14	B	842	CL7	CMC-C2C-C1C	2.24	128.67	124.73
14	A	813	CL7	CHB-C1B-C2B	-2.24	120.93	127.43
14	B	840	CL7	C3A-C4A-NA	2.24	115.02	110.98
14	B	814	CL7	CMC-C2C-C1C	2.24	128.66	124.73
14	A	840	CL7	O2D-CGD-O1D	-2.24	119.50	123.85
14	A	833	CL7	CAC-C3C-C4C	2.24	128.03	124.67
14	B	811	CL7	C3A-C4A-CHB	-2.23	120.38	123.66
14	A	810	CL7	CHC-C1C-NC	-2.23	121.66	124.80
18	K	103	WVN	C01-C02-C11	-2.23	110.26	112.83
14	A	816	CL7	C4C-C3C-C2C	-2.23	104.17	107.11
18	B	851	WVN	C01-C02-C11	-2.23	110.26	112.83
14	F	202	CL7	CAC-C3C-C4C	2.23	128.03	124.67
14	A	839	CL7	C4-C3-C5	2.23	119.10	115.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	826	CL7	C1-C2-C3	-2.23	122.54	126.20
14	A	804	CL7	C4C-C3C-C2C	-2.23	104.17	107.11
14	B	821	CL7	C4C-C3C-C2C	-2.23	104.17	107.11
12	A	801	G9R	C3D-C4D-ND	2.23	113.61	109.99
14	B	818	CL7	CAC-C3C-C4C	2.23	128.02	124.67
14	A	836	CL7	CHC-C1C-NC	-2.23	121.67	124.80
14	A	841	CL7	C4B-CHC-C1C	2.23	131.53	124.66
14	L	204	CL7	C1-O2A-CGA	2.23	122.04	116.65
14	A	808	CL7	C4-C3-C5	2.22	119.70	114.59
14	A	813	CL7	CMB-C2B-C3B	2.22	131.78	126.55
14	B	803	CL7	C1-O2A-CGA	2.22	122.03	116.65
20	B	825	LMG	O2-C2-C3	-2.22	105.14	110.38
14	A	841	CL7	O1D-CGD-CBD	-2.22	120.14	124.52
14	A	823	CL7	C2B-C1B-NB	2.22	112.63	110.33
14	A	815	CL7	CMC-C2C-C1C	2.22	128.64	124.73
14	B	804	CL7	OBB-CAB-C3B	-2.22	120.61	125.62
14	B	838	CL7	O2D-CGD-O1D	-2.22	119.53	123.85
14	L	207	CL7	C1-O2A-CGA	2.22	122.02	116.65
14	B	816	CL7	CHC-C1C-NC	-2.22	121.68	124.80
14	A	812	CL7	CMA-C3A-C2A	-2.22	111.14	116.23
14	A	845	CL7	O2D-CGD-O1D	-2.22	119.53	123.85
14	A	810	CL7	OBB-CAB-C3B	-2.22	120.62	125.62
14	B	824	CL7	CMA-C3A-C2A	-2.22	105.42	113.98
14	A	808	CL7	OBB-CAB-C3B	-2.22	120.62	125.62
14	A	832	CL7	C4C-C3C-C2C	-2.21	104.19	107.11
18	L	202	WVN	C01-C02-C11	-2.21	110.28	112.83
14	B	835	CL7	CMB-C2B-C1B	2.21	128.79	125.42
14	A	828	CL7	C3A-C4A-CHB	-2.21	120.41	123.66
14	A	832	CL7	O2D-CGD-O1D	-2.21	119.55	123.85
14	A	844	CL7	O2D-CGD-O1D	-2.21	119.55	123.85
16	A	830	PQN	C21-C20-C18	-2.21	108.62	115.97
14	A	839	CL7	CAA-CBA-CGA	-2.21	106.93	113.21
14	B	836	CL7	C3A-C4A-CHB	-2.21	120.41	123.66
14	B	837	CL7	CMC-C2C-C1C	2.21	128.62	124.73
14	B	836	CL7	C4C-C3C-C2C	-2.21	104.20	107.11
14	A	818	CL7	C4-C3-C5	2.21	119.06	115.23
14	A	809	CL7	OBB-CAB-C3B	-2.21	120.64	125.62
14	A	855	CL7	CMB-C2B-C1B	2.21	128.78	125.42
14	B	826	CL7	O1D-CGD-CBD	-2.21	120.17	124.52
14	B	840	CL7	C3D-C2D-C1D	-2.20	99.36	106.40
14	A	835	CL7	CMB-C2B-C1B	2.20	128.77	125.42
14	B	815	CL7	C4-C3-C5	2.20	119.65	114.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	806	CL7	CAA-C2A-C3A	-2.20	107.06	113.00
14	B	838	CL7	CHC-C1C-C2C	-2.20	120.92	125.49
14	A	806	CL7	CMB-C2B-C1B	2.20	128.76	125.42
14	A	818	CL7	CMC-C2C-C1C	2.20	128.59	124.73
14	A	811	CL7	CAC-C3C-C4C	2.19	127.97	124.67
14	A	831	CL7	CAC-C3C-C4C	2.19	127.97	124.67
14	B	803	CL7	CMA-C3A-C2A	-2.19	105.51	113.98
14	B	843	CL7	CAA-C2A-C3A	-2.19	107.09	113.00
14	A	816	CL7	CMB-C2B-C1B	2.19	128.75	125.42
14	A	807	CL7	CMC-C2C-C1C	2.19	128.58	124.73
14	B	814	CL7	CED-O2D-CGD	2.18	120.87	115.92
14	B	837	CL7	CED-O2D-CGD	2.18	120.87	115.92
14	B	833	CL7	CAC-C3C-C4C	2.18	127.95	124.67
14	B	802	CL7	C7-C6-C5	-2.18	107.45	113.26
14	A	821	CL7	CMB-C2B-C1B	2.18	128.74	125.42
14	A	843	CL7	C1-C2-C3	-2.18	122.62	126.20
14	B	835	CL7	C4-C3-C5	2.18	119.61	114.59
14	B	845	CL7	CAD-C3D-C2D	-2.18	139.67	144.26
14	B	806	CL7	CMA-C3A-C2A	-2.18	105.57	113.98
14	A	806	CL7	CAA-CBA-CGA	-2.18	107.03	113.21
14	A	833	CL7	C4-C3-C5	2.17	119.58	114.59
14	A	811	CL7	C4C-C3C-C2C	-2.17	104.25	107.11
14	A	836	CL7	CED-O2D-CGD	2.17	120.84	115.92
14	B	814	CL7	CAC-C3C-C4C	2.17	127.93	124.67
14	A	846	CL7	CAA-C2A-C3A	-2.17	107.14	113.00
14	B	805	CL7	C6-C5-C3	-2.17	108.19	113.47
14	B	840	CL7	CAD-C3D-C2D	-2.17	139.70	144.26
14	A	817	CL7	CED-O2D-CGD	2.17	120.83	115.92
14	B	812	CL7	CMB-C2B-C1B	2.17	128.72	125.42
14	A	827	CL7	C6-C5-C3	-2.17	108.19	113.47
14	A	841	CL7	CHC-C1C-NC	-2.16	121.76	124.80
14	B	821	CL7	CMA-C3A-C2A	-2.16	105.62	113.98
14	B	827	CL7	CHC-C1C-C2C	-2.16	120.99	125.49
14	A	810	CL7	C4-C3-C5	2.16	118.98	115.23
14	B	839	CL7	C4C-C3C-C2C	-2.16	104.26	107.11
14	A	844	CL7	CHD-C1D-ND	-2.16	120.81	124.05
14	B	811	CL7	CED-O2D-CGD	2.16	120.81	115.92
14	A	821	CL7	C2A-C1A-CHA	-2.16	122.04	126.36
14	A	818	CL7	CMB-C2B-C1B	2.16	128.71	125.42
14	B	817	CL7	C1-O2A-CGA	2.16	121.88	116.65
14	A	842	CL7	OBB-CAB-C3B	-2.16	120.75	125.62
14	A	815	CL7	CAC-C3C-C4C	2.16	127.91	124.67

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	845	CL7	CAC-C3C-C4C	2.16	127.91	124.67
14	F	201	CL7	CAD-C3D-C2D	-2.16	139.72	144.26
14	B	836	CL7	O2D-CGD-O1D	-2.16	119.65	123.85
14	L	204	CL7	O2D-CGD-O1D	-2.16	119.65	123.85
14	B	816	CL7	O1D-CGD-CBD	-2.15	120.27	124.52
14	B	830	CL7	C4C-C3C-C2C	-2.15	104.27	107.11
14	B	813	CL7	CAC-C3C-C4C	2.15	127.91	124.67
14	B	814	CL7	C2B-C1B-NB	2.15	112.56	110.33
14	B	828	CL7	CMC-C2C-C1C	2.15	128.52	124.73
14	A	839	CL7	CHC-C1C-NC	-2.15	121.77	124.80
14	A	803	CL7	C1-O2A-CGA	2.15	121.86	116.65
14	A	844	CL7	CMB-C2B-C3B	2.15	131.61	126.55
14	A	817	CL7	C4C-C3C-C2C	-2.15	104.28	107.11
14	B	835	CL7	C4C-C3C-C2C	-2.15	104.28	107.11
14	B	814	CL7	CAD-C3D-C2D	-2.15	139.74	144.26
14	A	827	CL7	CMB-C2B-C1B	2.15	128.69	125.42
14	B	804	CL7	C1-O2A-CGA	2.15	121.84	116.65
14	A	834	CL7	C4C-C3C-C2C	-2.14	104.29	107.11
14	B	812	CL7	O1D-CGD-CBD	-2.14	120.29	124.52
14	A	820	CL7	CHC-C1C-NC	-2.14	121.79	124.80
14	B	814	CL7	CAA-CBA-CGA	-2.14	107.13	113.21
14	A	808	CL7	O1D-CGD-CBD	-2.14	120.30	124.52
14	B	810	CL7	CHC-C1C-NC	-2.14	121.79	124.80
14	A	840	CL7	CHD-C1D-ND	-2.14	120.84	124.05
14	B	844	CL7	CMC-C2C-C1C	2.13	128.49	124.73
14	F	202	CL7	CMC-C2C-C1C	2.13	128.49	124.73
14	L	204	CL7	CHC-C1C-NC	-2.13	121.80	124.80
14	A	845	CL7	OBB-CAB-C3B	-2.13	120.81	125.62
14	B	818	CL7	CHD-C1D-ND	-2.13	120.85	124.05
14	A	826	CL7	CHC-C1C-C2C	-2.13	121.06	125.49
14	B	823	CL7	C4C-C3C-C2C	-2.13	104.31	107.11
14	B	839	CL7	O2D-CGD-O1D	-2.13	119.71	123.85
14	F	202	CL7	C11-C10-C8	-2.12	108.90	115.97
14	A	838	CL7	CHB-C1B-C2B	-2.12	121.26	127.43
14	B	831	CL7	C4C-C3C-C2C	-2.12	104.31	107.11
14	B	844	CL7	C1-O2A-CGA	2.12	121.78	116.65
14	A	815	CL7	C1-O2A-CGA	2.12	121.78	116.65
14	A	806	CL7	CHC-C1C-NC	-2.12	121.82	124.80
20	B	825	LMG	O8-C28-O10	-2.12	118.33	123.63
14	B	808	CL7	OBB-CAB-C3B	-2.12	120.84	125.62
14	B	804	CL7	CHC-C1C-NC	-2.11	121.83	124.80
14	A	844	CL7	C4-C3-C5	2.11	118.89	115.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	B	812	CL7	CMA-C3A-C2A	2.11	121.07	116.23
14	B	843	CL7	O2D-CGD-O1D	-2.11	119.74	123.85
14	F	202	CL7	CHB-C1B-C2B	-2.11	121.30	127.43
14	A	826	CL7	CED-O2D-CGD	2.11	120.70	115.92
14	B	835	CL7	CHC-C1C-C2C	-2.11	121.10	125.49
14	B	831	CL7	OBB-CAB-C3B	-2.11	120.86	125.62
14	A	834	CL7	C1-C2-C3	-2.11	122.74	126.20
14	B	833	CL7	O1D-CGD-CBD	-2.11	120.36	124.52
14	B	812	CL7	OBD-CAD-C3D	-2.11	123.49	128.42
14	F	203	CL7	CMB-C2B-C1B	2.11	128.63	125.42
14	B	836	CL7	O1D-CGD-CBD	-2.11	120.36	124.52
14	A	841	CL7	CHC-C1C-C2C	-2.11	121.11	125.49
14	A	839	CL7	CHB-C1B-C2B	-2.11	121.31	127.43
14	B	826	CL7	C4C-C3C-C2C	-2.11	104.33	107.11
14	A	843	CL7	C4-C3-C2	-2.10	118.22	123.63
14	A	842	CL7	CHD-C4C-C3C	-2.10	121.54	124.86
14	B	818	CL7	CMB-C2B-C1B	2.10	128.62	125.42
14	B	805	CL7	CBC-CAC-C3C	-2.10	106.73	112.42
14	L	207	CL7	C11-C10-C8	-2.10	108.98	115.97
14	A	813	CL7	CED-O2D-CGD	2.10	120.68	115.92
14	A	845	CL7	CHC-C1C-C2C	-2.10	121.12	125.49
14	B	842	CL7	O1D-CGD-CBD	-2.10	120.38	124.52
14	A	822	CL7	CMB-C2B-C1B	2.10	128.61	125.42
14	A	845	CL7	CMB-C2B-C1B	2.10	128.61	125.42
14	A	827	CL7	CHC-C1C-NC	-2.10	121.85	124.80
14	A	829	CL7	O1D-CGD-CBD	-2.09	120.39	124.52
14	B	822	CL7	C2A-C1A-CHA	-2.09	122.17	126.36
14	B	808	CL7	CHC-C1C-NC	-2.09	121.86	124.80
14	A	815	CL7	O2D-CGD-O1D	-2.09	119.77	123.85
14	B	822	CL7	C4-C3-C2	-2.09	118.25	123.63
14	A	839	CL7	CMB-C2B-C3B	2.09	131.47	126.55
14	B	839	CL7	CHC-C1C-NC	-2.09	121.86	124.80
14	B	821	CL7	CHC-C1C-NC	-2.09	121.86	124.80
14	B	831	CL7	CAC-C3C-C4C	2.09	127.82	124.67
14	A	816	CL7	C4-C3-C5	2.09	119.40	114.59
14	B	835	CL7	CMC-C2C-C1C	2.09	128.41	124.73
20	B	825	LMG	O8-C28-C29	2.09	118.21	111.83
15	A	824	LHG	O8-C6-C5	2.09	114.42	108.40
14	B	804	CL7	C7-C6-C5	-2.09	107.69	113.26
14	A	836	CL7	C4B-CHC-C1C	2.09	131.11	124.66
14	B	823	CL7	CAC-C3C-C4C	2.09	127.81	124.67
18	I	102	WVN	C01-C02-C11	-2.09	110.42	112.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	840	CL7	CHD-C4C-C3C	-2.08	121.57	124.86
14	A	842	CL7	C4-C3-C5	2.08	118.84	115.23
14	B	828	CL7	CAA-C2A-C1A	2.08	119.04	112.19
14	A	855	CL7	CAD-C3D-C2D	-2.08	139.88	144.26
14	B	813	CL7	OBD-CAD-C3D	-2.08	123.55	128.42
14	B	815	CL7	CHC-C1C-NC	-2.08	121.87	124.80
14	A	815	CL7	C4B-CHC-C1C	2.08	131.07	124.66
14	B	814	CL7	C4C-C3C-C2C	-2.08	104.37	107.11
14	B	818	CL7	C2A-C1A-CHA	-2.08	122.21	126.36
14	B	805	CL7	O1D-CGD-CBD	-2.08	120.42	124.52
14	A	843	CL7	CHB-C1B-C2B	-2.07	121.41	127.43
14	B	835	CL7	O1D-CGD-CBD	-2.07	120.43	124.52
14	A	826	CL7	O2D-CGD-O1D	-2.07	119.81	123.85
14	A	828	CL7	CHC-C1C-C2C	-2.07	121.18	125.49
20	B	825	LMG	C9-C8-C7	-2.07	106.96	111.78
14	A	817	CL7	O1D-CGD-CBD	-2.07	120.44	124.52
20	B	825	LMG	C8-O7-C10	-2.07	112.85	117.80
17	B	832	LMT	C3'-C4'-C5'	-2.07	106.35	110.93
14	F	202	CL7	O2D-CGD-O1D	-2.07	119.83	123.85
14	B	843	CL7	O1D-CGD-CBD	-2.07	120.44	124.52
14	B	819	CL7	C4C-C3C-C2C	-2.06	104.39	107.11
14	B	811	CL7	C1-O2A-CGA	2.06	121.65	116.65
14	B	814	CL7	OBD-CAD-C3D	-2.06	123.59	128.42
14	A	822	CL7	C11-C10-C8	-2.06	109.11	115.97
14	B	807	CL7	OBB-CAB-C3B	-2.06	120.97	125.62
14	B	824	CL7	C4C-C3C-C2C	-2.06	104.39	107.11
14	A	803	CL7	CHC-C1C-C2C	-2.06	121.20	125.49
14	A	818	CL7	C1-O2A-CGA	2.06	121.64	116.65
14	B	835	CL7	C3D-C2D-C1D	-2.06	99.82	106.40
14	B	804	CL7	C11-C12-C13	-2.06	109.12	115.97
16	A	830	PQN	C11-C3-C2	-2.06	121.36	124.89
14	A	815	CL7	CHC-C1C-C2C	-2.06	121.21	125.49
14	B	843	CL7	C4C-C3C-C2C	-2.06	104.40	107.11
14	F	203	CL7	CHC-C1C-C2C	-2.05	121.22	125.49
14	A	846	CL7	C4-C3-C5	2.05	119.31	114.59
14	B	805	CL7	C2A-C1A-CHA	-2.05	122.25	126.36
14	B	843	CL7	CMC-C2C-C1C	2.05	128.34	124.73
14	L	204	CL7	C4C-C3C-C2C	-2.05	104.41	107.11
14	B	803	CL7	C3A-C4A-CHB	-2.05	120.64	123.66
14	A	827	CL7	CMB-C2B-C3B	2.05	131.38	126.55
14	A	843	CL7	C4C-C3C-C2C	-2.05	104.41	107.11
14	A	846	CL7	O1D-CGD-CBD	-2.05	120.47	124.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	831	CL7	C4C-C3C-C2C	-2.05	104.41	107.11
14	A	803	CL7	O1D-CGD-CBD	-2.05	120.48	124.52
14	A	833	CL7	CHC-C1C-C2C	-2.05	121.23	125.49
14	B	843	CL7	CHC-C1C-C2C	-2.05	121.23	125.49
14	A	834	CL7	CHC-C1C-C2C	-2.04	121.23	125.49
14	A	820	CL7	C1-O2A-CGA	2.04	121.60	116.65
14	B	817	CL7	C4C-C3C-C2C	-2.04	104.42	107.11
14	B	809	CL7	CMB-C2B-C3B	2.04	131.35	126.55
14	B	833	CL7	C4C-C3C-C2C	-2.04	104.42	107.11
14	B	835	CL7	CAC-C3C-C4C	2.04	127.74	124.67
14	A	835	CL7	C4C-C3C-C2C	-2.04	104.42	107.11
14	L	205	CL7	C4B-CHC-C1C	2.04	130.96	124.66
14	A	819	CL7	CHC-C1C-C2C	-2.04	121.25	125.49
14	B	837	CL7	CAD-C3D-C2D	-2.04	139.97	144.26
14	K	102	CL7	CED-O2D-CGD	2.04	120.54	115.92
14	B	830	CL7	C2A-C1A-CHA	-2.04	122.29	126.36
14	A	826	CL7	C4-C3-C2	-2.04	118.40	123.63
14	A	813	CL7	CMC-C2C-C1C	2.04	128.31	124.73
14	B	838	CL7	CAD-C3D-C2D	-2.04	139.97	144.26
17	B	841	LMT	C1B-C2B-C3B	2.03	114.29	110.01
14	A	809	CL7	C4-C3-C5	2.03	119.27	114.59
14	B	821	CL7	CAA-CBA-CGA	2.03	118.98	113.21
14	B	843	CL7	CMB-C2B-C1B	2.03	128.51	125.42
14	A	804	CL7	C4B-CHC-C1C	2.03	130.93	124.66
14	B	826	CL7	C2A-C1A-CHA	-2.03	122.30	126.36
14	B	842	CL7	C4C-C3C-C2C	-2.03	104.44	107.11
14	A	848	CL7	CHC-C1C-NC	-2.03	121.95	124.80
14	B	844	CL7	O1D-CGD-CBD	-2.03	120.52	124.52
14	I	101	CL7	O1D-CGD-CBD	-2.03	120.52	124.52
14	B	830	CL7	CHD-C4C-NC	-2.02	121.96	124.80
14	A	816	CL7	O1D-CGD-CBD	-2.02	120.53	124.52
14	A	828	CL7	CHD-C4C-NC	-2.02	121.96	124.80
14	L	207	CL7	CMC-C2C-C1C	2.02	128.29	124.73
14	A	803	CL7	CAA-C2A-C3A	-2.02	107.54	113.00
14	B	806	CL7	C2A-C1A-CHA	-2.02	122.32	126.36
14	A	841	CL7	CAD-C3D-C2D	-2.02	140.01	144.26
17	B	841	LMT	O1B-C1B-C2B	2.02	113.06	108.09
14	A	828	CL7	CAD-C3D-C2D	-2.02	140.01	144.26
14	B	822	CL7	CHC-C1C-NC	-2.02	121.96	124.80
14	B	829	CL7	O1D-CGD-CBD	-2.02	120.54	124.52
14	B	809	CL7	CHD-C4C-NC	-2.02	121.96	124.80
14	B	808	CL7	CMB-C2B-C3B	2.02	131.29	126.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
14	A	838	CL7	C4C-C3C-C2C	-2.02	104.45	107.11
14	L	207	CL7	CBC-CAC-C3C	-2.02	106.96	112.42
14	A	839	CL7	OBB-CAB-C3B	-2.02	121.07	125.62
14	B	803	CL7	CHC-C1C-C2C	-2.02	121.30	125.49
14	A	831	CL7	O1D-CGD-CBD	-2.01	120.55	124.52
14	B	824	CL7	CMB-C2B-C1B	2.01	128.48	125.42
14	B	803	CL7	C11-C12-C13	-2.01	109.28	115.97
14	A	809	CL7	CAA-CBA-CGA	-2.01	107.49	113.21
14	B	817	CL7	CHC-C1C-NC	-2.01	121.97	124.80
14	A	832	CL7	CAD-C3D-C2D	-2.01	140.03	144.26
14	B	834	CL7	O1D-CGD-CBD	-2.01	120.55	124.52
14	B	826	CL7	CHC-C1C-NC	-2.01	121.97	124.80
14	B	840	CL7	C4C-C3C-C2C	-2.01	104.46	107.11
14	A	812	CL7	OBB-CAB-C3B	-2.01	121.09	125.62
14	B	845	CL7	CAA-CBA-CGA	-2.01	107.51	113.21
14	B	829	CL7	CHC-C1C-C2C	-2.01	121.31	125.49
14	A	810	CL7	O1D-CGD-CBD	-2.01	120.56	124.52
14	A	834	CL7	CMC-C2C-C1C	2.01	128.26	124.73
14	A	845	CL7	C1-C2-C3	-2.01	122.91	126.20
14	K	102	CL7	OBD-CAD-C3D	-2.00	123.73	128.42
14	B	806	CL7	CHD-C1D-ND	-2.00	121.04	124.05
14	B	811	CL7	CHD-C4C-C3C	-2.00	121.70	124.86
14	A	826	CL7	C6-C5-C3	-2.00	108.59	113.47
14	B	822	CL7	OBD-CAD-C3D	-2.00	123.74	128.42
14	A	835	CL7	CHC-C1C-C2C	-2.00	121.33	125.49

All (178) chirality outliers are listed below:

Mol	Chain	Res	Type	Atom
12	A	801	G9R	ND
14	A	803	CL7	NC
14	A	803	CL7	NA
14	A	804	CL7	NC
14	A	804	CL7	NA
14	A	805	CL7	NA
14	A	806	CL7	NA
14	A	807	CL7	NC
14	A	807	CL7	NA
14	A	808	CL7	NC
14	A	808	CL7	NA
14	A	809	CL7	NC
14	A	809	CL7	NA

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Mol	Chain	Res	Type	Atom
14	A	810	CL7	NC
14	A	810	CL7	NA
14	A	811	CL7	NC
14	A	811	CL7	NA
14	A	812	CL7	NC
14	A	812	CL7	NA
14	A	813	CL7	NC
14	A	813	CL7	NA
14	A	814	CL7	NC
14	A	814	CL7	NA
14	A	815	CL7	NC
14	A	815	CL7	NA
14	A	816	CL7	NC
14	A	816	CL7	NA
14	A	817	CL7	NC
14	A	817	CL7	NA
14	A	818	CL7	NC
14	A	818	CL7	NA
14	A	819	CL7	NC
14	A	819	CL7	NA
14	A	820	CL7	NA
14	A	821	CL7	NC
14	A	821	CL7	NA
14	A	822	CL7	NC
14	A	822	CL7	NA
14	A	823	CL7	NC
14	A	823	CL7	NA
14	A	826	CL7	NC
14	A	826	CL7	NA
14	A	827	CL7	NC
14	A	827	CL7	NA
14	A	828	CL7	NA
14	A	828	CL7	NC
14	A	829	CL7	NC
14	A	829	CL7	NA
14	A	831	CL7	NC
14	A	831	CL7	NA
14	A	832	CL7	NC
14	A	832	CL7	NA
14	A	833	CL7	NC
14	A	833	CL7	NA
14	A	834	CL7	NC

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Mol	Chain	Res	Type	Atom
14	A	834	CL7	NA
14	A	835	CL7	NC
14	A	835	CL7	NA
14	A	836	CL7	NC
14	A	836	CL7	NA
14	A	838	CL7	NC
14	A	838	CL7	NA
14	A	839	CL7	NC
14	A	839	CL7	NA
14	A	840	CL7	NC
14	A	840	CL7	NA
14	A	841	CL7	NC
14	A	841	CL7	NA
14	A	842	CL7	NC
14	A	842	CL7	NA
14	A	843	CL7	NC
14	A	843	CL7	NA
14	A	844	CL7	NA
14	A	844	CL7	NC
14	A	845	CL7	NC
14	A	845	CL7	NA
14	A	846	CL7	NC
14	A	846	CL7	NA
14	A	848	CL7	NC
14	A	848	CL7	NA
14	A	855	CL7	NC
14	A	855	CL7	NA
14	B	802	CL7	NC
14	B	802	CL7	NA
14	B	803	CL7	NC
14	B	803	CL7	NA
14	B	804	CL7	NC
14	B	804	CL7	NA
14	B	805	CL7	NC
14	B	805	CL7	NA
14	B	806	CL7	NC
14	B	806	CL7	NA
14	B	807	CL7	NA
14	B	807	CL7	NC
14	B	808	CL7	NC
14	B	808	CL7	NA
14	B	809	CL7	NC

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Mol	Chain	Res	Type	Atom
14	B	809	CL7	NA
14	B	810	CL7	NA
14	B	810	CL7	NC
14	B	811	CL7	NC
14	B	811	CL7	NA
14	B	812	CL7	NC
14	B	812	CL7	NA
14	B	813	CL7	NC
14	B	813	CL7	NA
14	B	814	CL7	NA
14	B	814	CL7	NC
14	B	815	CL7	NC
14	B	815	CL7	NA
14	B	816	CL7	NC
14	B	816	CL7	NA
14	B	817	CL7	NC
14	B	817	CL7	NA
14	B	818	CL7	NC
14	B	818	CL7	NA
14	B	819	CL7	NC
14	B	819	CL7	NA
14	B	821	CL7	NA
14	B	821	CL7	NC
14	B	822	CL7	NA
14	B	823	CL7	NC
14	B	823	CL7	NA
14	B	824	CL7	NC
14	B	824	CL7	NA
14	B	826	CL7	NC
14	B	826	CL7	NA
14	B	827	CL7	NC
14	B	827	CL7	NA
14	B	828	CL7	NC
14	B	828	CL7	NA
14	B	829	CL7	NC
14	B	829	CL7	NA
14	B	830	CL7	NC
14	B	830	CL7	NA
14	B	831	CL7	NC
14	B	831	CL7	NA
14	B	833	CL7	NC
14	B	833	CL7	NA

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Mol	Chain	Res	Type	Atom
14	B	834	CL7	NC
14	B	834	CL7	NA
14	B	835	CL7	NC
14	B	835	CL7	NA
14	B	836	CL7	NC
14	B	836	CL7	NA
14	B	837	CL7	NC
14	B	837	CL7	NA
14	B	838	CL7	NC
14	B	838	CL7	NA
14	B	839	CL7	NC
14	B	839	CL7	NA
14	B	840	CL7	NC
14	B	840	CL7	NA
14	B	842	CL7	NC
14	B	842	CL7	NA
14	B	843	CL7	NC
14	B	843	CL7	NA
14	B	844	CL7	NC
14	B	844	CL7	NA
14	B	845	CL7	NC
14	B	845	CL7	NA
14	F	201	CL7	NC
14	F	201	CL7	NA
14	F	202	CL7	NC
14	F	202	CL7	NA
14	F	203	CL7	NC
14	F	203	CL7	NA
14	I	101	CL7	NA
14	K	101	CL7	NC
14	K	101	CL7	NA
14	K	102	CL7	NC
14	K	102	CL7	NA
14	L	204	CL7	NC
14	L	204	CL7	NA
14	L	205	CL7	NC
14	L	205	CL7	NA
14	L	207	CL7	NA
14	L	207	CL7	NC

All (1511) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
14	A	804	CL7	C1A-C2A-CAA-CBA
14	A	804	CL7	CBD-CGD-O2D-CED
14	A	805	CL7	C2B-C3B-CAB-OBB
14	A	805	CL7	C4B-C3B-CAB-OBB
14	A	806	CL7	C2-C1-O2A-CGA
14	A	806	CL7	C3A-C2A-CAA-CBA
14	A	807	CL7	C2B-C3B-CAB-OBB
14	A	807	CL7	C4B-C3B-CAB-OBB
14	A	808	CL7	C1A-C2A-CAA-CBA
14	A	808	CL7	C3A-C2A-CAA-CBA
14	A	808	CL7	CHA-CBD-CGD-O2D
14	A	808	CL7	CHA-CBD-CGD-O1D
14	A	808	CL7	C2B-C3B-CAB-OBB
14	A	808	CL7	C4B-C3B-CAB-OBB
14	A	809	CL7	C2B-C3B-CAB-OBB
14	A	809	CL7	C4B-C3B-CAB-OBB
14	A	810	CL7	C2-C1-O2A-CGA
14	A	810	CL7	C1A-C2A-CAA-CBA
14	A	810	CL7	C3A-C2A-CAA-CBA
14	A	810	CL7	CHA-CBD-CGD-O2D
14	A	810	CL7	CHA-CBD-CGD-O1D
14	A	810	CL7	CBD-CGD-O2D-CED
14	A	810	CL7	C2B-C3B-CAB-OBB
14	A	810	CL7	C4B-C3B-CAB-OBB
14	A	811	CL7	CHA-CBD-CGD-O2D
14	A	811	CL7	CHA-CBD-CGD-O1D
14	A	811	CL7	C2B-C3B-CAB-OBB
14	A	811	CL7	C4B-C3B-CAB-OBB
14	A	812	CL7	C4B-C3B-CAB-OBB
14	A	817	CL7	C1A-C2A-CAA-CBA
14	A	817	CL7	C3A-C2A-CAA-CBA
14	A	818	CL7	C2B-C3B-CAB-OBB
14	A	818	CL7	C4B-C3B-CAB-OBB
14	A	819	CL7	C1A-C2A-CAA-CBA
14	A	819	CL7	CHA-CBD-CGD-O2D
14	A	819	CL7	CHA-CBD-CGD-O1D
14	A	819	CL7	C2B-C3B-CAB-OBB
14	A	819	CL7	C4B-C3B-CAB-OBB
14	A	821	CL7	C4B-C3B-CAB-OBB
14	A	823	CL7	C2B-C3B-CAB-OBB
14	A	823	CL7	C4B-C3B-CAB-OBB
14	A	826	CL7	C11-C10-C8-C9
14	A	826	CL7	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	A	826	CL7	C2B-C3B-CAB-OBB
14	A	826	CL7	C4B-C3B-CAB-OBB
14	A	827	CL7	C1A-C2A-CAA-CBA
14	A	827	CL7	C4B-C3B-CAB-OBB
14	A	828	CL7	C2B-C3B-CAB-OBB
14	A	828	CL7	C4B-C3B-CAB-OBB
14	A	829	CL7	C1A-C2A-CAA-CBA
14	A	829	CL7	CBD-CGD-O2D-CED
14	A	829	CL7	C2B-C3B-CAB-OBB
14	A	829	CL7	C4B-C3B-CAB-OBB
14	A	831	CL7	C2B-C3B-CAB-OBB
14	A	831	CL7	C4B-C3B-CAB-OBB
14	A	832	CL7	C3A-C2A-CAA-CBA
14	A	832	CL7	C4B-C3B-CAB-OBB
14	A	833	CL7	O1A-CGA-O2A-C1
14	A	833	CL7	CBA-CGA-O2A-C1
14	A	833	CL7	C1A-C2A-CAA-CBA
14	A	833	CL7	C3A-C2A-CAA-CBA
14	A	833	CL7	C2B-C3B-CAB-OBB
14	A	833	CL7	C4B-C3B-CAB-OBB
14	A	834	CL7	C2-C1-O2A-CGA
14	A	834	CL7	C1A-C2A-CAA-CBA
14	A	834	CL7	C3A-C2A-CAA-CBA
14	A	834	CL7	C4B-C3B-CAB-OBB
14	A	835	CL7	CBD-CGD-O2D-CED
14	A	835	CL7	C4B-C3B-CAB-OBB
14	A	838	CL7	C2B-C3B-CAB-OBB
14	A	838	CL7	C4B-C3B-CAB-OBB
14	A	839	CL7	C3A-C2A-CAA-CBA
14	A	839	CL7	C2B-C3B-CAB-OBB
14	A	839	CL7	C4B-C3B-CAB-OBB
14	A	841	CL7	C2-C1-O2A-CGA
14	A	841	CL7	C1A-C2A-CAA-CBA
14	A	841	CL7	C3A-C2A-CAA-CBA
14	A	842	CL7	C4B-C3B-CAB-OBB
14	A	843	CL7	C2-C1-O2A-CGA
14	A	844	CL7	C1A-C2A-CAA-CBA
14	A	844	CL7	C3A-C2A-CAA-CBA
14	A	844	CL7	CBD-CGD-O2D-CED
14	A	845	CL7	C2B-C3B-CAB-OBB
14	A	845	CL7	C4B-C3B-CAB-OBB
14	A	846	CL7	C2B-C3B-CAB-OBB

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Mol	Chain	Res	Type	Atoms
14	A	846	CL7	C4B-C3B-CAB-OBB
14	A	848	CL7	C1A-C2A-CAA-CBA
14	A	848	CL7	C3A-C2A-CAA-CBA
14	A	848	CL7	CBD-CGD-O2D-CED
14	A	848	CL7	C2B-C3B-CAB-OBB
14	A	848	CL7	C4B-C3B-CAB-OBB
14	A	855	CL7	CAD-CBD-CGD-O2D
14	A	855	CL7	CAD-CBD-CGD-O1D
14	B	802	CL7	C11-C12-C13-C14
14	B	802	CL7	C2B-C3B-CAB-OBB
14	B	802	CL7	C4B-C3B-CAB-OBB
14	B	803	CL7	CBD-CGD-O2D-CED
14	B	803	CL7	C4B-C3B-CAB-OBB
14	B	806	CL7	CHA-CBD-CGD-O2D
14	B	806	CL7	CHA-CBD-CGD-O1D
14	B	807	CL7	C2B-C3B-CAB-OBB
14	B	807	CL7	C4B-C3B-CAB-OBB
14	B	810	CL7	C2B-C3B-CAB-OBB
14	B	810	CL7	C4B-C3B-CAB-OBB
14	B	812	CL7	C2B-C3B-CAB-OBB
14	B	812	CL7	C4B-C3B-CAB-OBB
14	B	813	CL7	C1A-C2A-CAA-CBA
14	B	813	CL7	C3A-C2A-CAA-CBA
14	B	813	CL7	C4B-C3B-CAB-OBB
14	B	814	CL7	CHA-CBD-CGD-O2D
14	B	814	CL7	CHA-CBD-CGD-O1D
14	B	815	CL7	C1A-C2A-CAA-CBA
14	B	816	CL7	C3A-C2A-CAA-CBA
14	B	816	CL7	CHA-CBD-CGD-O2D
14	B	816	CL7	CHA-CBD-CGD-O1D
14	B	816	CL7	C2B-C3B-CAB-OBB
14	B	816	CL7	C4B-C3B-CAB-OBB
14	B	817	CL7	C2B-C3B-CAB-OBB
14	B	817	CL7	C4B-C3B-CAB-OBB
14	B	819	CL7	C2B-C3B-CAB-OBB
14	B	819	CL7	C4B-C3B-CAB-OBB
14	B	821	CL7	CHA-CBD-CGD-O2D
14	B	821	CL7	CHA-CBD-CGD-O1D
14	B	822	CL7	C4-C3-C5-C6
14	B	822	CL7	CHA-CBD-CGD-O2D
14	B	823	CL7	C1A-C2A-CAA-CBA
14	B	823	CL7	C2B-C3B-CAB-OBB

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Mol	Chain	Res	Type	Atoms
14	B	823	CL7	C4B-C3B-CAB-OBB
14	B	826	CL7	CHA-CBD-CGD-O2D
14	B	826	CL7	CHA-CBD-CGD-O1D
14	B	827	CL7	C1A-C2A-CAA-CBA
14	B	827	CL7	C3A-C2A-CAA-CBA
14	B	827	CL7	C2B-C3B-CAB-OBB
14	B	827	CL7	C4B-C3B-CAB-OBB
14	B	828	CL7	C1A-C2A-CAA-CBA
14	B	829	CL7	CHA-CBD-CGD-O2D
14	B	829	CL7	CHA-CBD-CGD-O1D
14	B	831	CL7	C1A-C2A-CAA-CBA
14	B	831	CL7	C3A-C2A-CAA-CBA
14	B	833	CL7	C2B-C3B-CAB-OBB
14	B	833	CL7	C4B-C3B-CAB-OBB
14	B	834	CL7	CBD-CGD-O2D-CED
14	B	834	CL7	C2B-C3B-CAB-OBB
14	B	834	CL7	C4B-C3B-CAB-OBB
14	B	835	CL7	C2B-C3B-CAB-OBB
14	B	835	CL7	C4B-C3B-CAB-OBB
14	B	836	CL7	CBD-CGD-O2D-CED
14	B	837	CL7	C2B-C3B-CAB-OBB
14	B	837	CL7	C4B-C3B-CAB-OBB
14	B	838	CL7	C2B-C3B-CAB-OBB
14	B	838	CL7	C4B-C3B-CAB-OBB
14	B	839	CL7	CAD-CBD-CGD-O2D
14	B	839	CL7	CAD-CBD-CGD-O1D
14	B	839	CL7	C4B-C3B-CAB-OBB
14	B	840	CL7	C2B-C3B-CAB-OBB
14	B	840	CL7	C4B-C3B-CAB-OBB
14	B	842	CL7	C2B-C3B-CAB-OBB
14	B	842	CL7	C4B-C3B-CAB-OBB
14	B	843	CL7	C1A-C2A-CAA-CBA
14	B	843	CL7	C4B-C3B-CAB-OBB
14	B	844	CL7	C1A-C2A-CAA-CBA
14	B	844	CL7	CBD-CGD-O2D-CED
14	B	845	CL7	C4B-C3B-CAB-OBB
14	F	201	CL7	C2B-C3B-CAB-OBB
14	F	201	CL7	C4B-C3B-CAB-OBB
14	F	203	CL7	C1A-C2A-CAA-CBA
14	F	203	CL7	CBD-CGD-O2D-CED
14	F	203	CL7	C2B-C3B-CAB-OBB
14	F	203	CL7	C4B-C3B-CAB-OBB

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Mol	Chain	Res	Type	Atoms
14	I	101	CL7	C1A-C2A-CAA-CBA
14	I	101	CL7	C3A-C2A-CAA-CBA
14	K	101	CL7	C2B-C3B-CAB-OBB
14	K	101	CL7	C4B-C3B-CAB-OBB
14	K	102	CL7	C1A-C2A-CAA-CBA
14	K	102	CL7	CBD-CGD-O2D-CED
14	K	102	CL7	C2B-C3B-CAB-OBB
14	K	102	CL7	C4B-C3B-CAB-OBB
14	L	204	CL7	C1A-C2A-CAA-CBA
14	L	204	CL7	C3A-C2A-CAA-CBA
15	A	824	LHG	O1-C1-C2-C3
15	A	824	LHG	C1-C2-C3-O3
15	A	824	LHG	C3-O3-P-O4
15	A	824	LHG	C3-O3-P-O5
15	A	824	LHG	C3-O3-P-O6
15	A	824	LHG	C4-O6-P-O5
15	A	824	LHG	C8-C7-O7-C5
15	A	825	LHG	C3-O3-P-O6
18	A	849	WVN	C02-C11-C19-C22
18	A	849	WVN	C15-C13-C20-C23
18	A	849	WVN	C13-C20-C23-C25
18	A	849	WVN	C24-C22-C26-C29
18	A	849	WVN	C23-C25-C28-C30
18	A	849	WVN	C26-C29-C31-C32
18	A	849	WVN	C29-C31-C32-C36
18	A	849	WVN	C31-C32-C36-C39
18	A	849	WVN	C35-C32-C36-C39
18	A	849	WVN	C30-C33-C34-C38
18	A	849	WVN	C34-C37-C40-C39
18	A	849	WVN	C36-C39-C40-C37
18	A	850	WVN	C05-C02-C11-C19
18	A	850	WVN	C23-C25-C28-C30
18	A	850	WVN	C27-C25-C28-C30
18	A	850	WVN	C22-C26-C29-C31
18	A	850	WVN	C38-C34-C37-C40
18	A	851	WVN	C06-C13-C20-C23
18	A	851	WVN	C15-C13-C20-C23
18	A	851	WVN	C13-C20-C23-C25
18	A	851	WVN	C19-C22-C26-C29
18	A	851	WVN	C24-C22-C26-C29
18	A	851	WVN	C20-C23-C25-C28
18	A	851	WVN	C23-C25-C28-C30

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Mol	Chain	Res	Type	Atoms
18	A	851	WVN	C27-C25-C28-C30
18	A	851	WVN	C26-C29-C31-C32
18	A	851	WVN	C30-C33-C34-C37
18	A	851	WVN	C33-C34-C37-C40
18	A	851	WVN	C38-C34-C37-C40
18	A	851	WVN	C36-C39-C40-C37
18	A	852	WVN	C01-C02-C11-C19
18	A	852	WVN	C05-C02-C11-C19
18	A	852	WVN	C02-C11-C19-C22
18	A	852	WVN	C11-C19-C22-C26
18	A	852	WVN	C13-C20-C23-C25
18	A	852	WVN	C24-C22-C26-C29
18	A	852	WVN	C27-C25-C28-C30
18	A	852	WVN	C26-C29-C31-C32
18	A	852	WVN	C29-C31-C32-C36
18	A	852	WVN	C30-C33-C34-C38
18	A	852	WVN	C33-C34-C37-C40
18	A	852	WVN	C38-C34-C37-C40
18	A	852	WVN	C32-C36-C39-C40
18	A	853	WVN	C01-C02-C11-C19
18	A	853	WVN	C05-C02-C11-C19
18	A	853	WVN	C02-C11-C19-C22
18	A	853	WVN	C15-C13-C20-C23
18	A	853	WVN	C13-C20-C23-C25
18	A	853	WVN	C26-C29-C31-C32
18	A	853	WVN	C29-C31-C32-C36
18	A	853	WVN	C30-C33-C34-C38
18	A	853	WVN	C33-C34-C37-C40
18	A	853	WVN	C38-C34-C37-C40
18	B	848	WVN	C05-C02-C11-C19
18	B	848	WVN	C02-C11-C19-C22
18	B	848	WVN	C06-C13-C20-C23
18	B	848	WVN	C15-C13-C20-C23
18	B	848	WVN	C13-C20-C23-C25
18	B	848	WVN	C19-C22-C26-C29
18	B	848	WVN	C24-C22-C26-C29
18	B	848	WVN	C20-C23-C25-C27
18	B	848	WVN	C26-C29-C31-C32
18	B	848	WVN	C29-C31-C32-C36
18	B	848	WVN	C31-C32-C36-C39
18	B	848	WVN	C35-C32-C36-C39
18	B	848	WVN	C30-C33-C34-C37

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Mol	Chain	Res	Type	Atoms
18	B	848	WVN	C30-C33-C34-C38
18	B	848	WVN	C33-C34-C37-C40
18	B	848	WVN	C38-C34-C37-C40
18	B	849	WVN	C24-C22-C26-C29
18	B	849	WVN	C20-C23-C25-C27
18	B	849	WVN	C20-C23-C25-C28
18	B	849	WVN	C23-C25-C28-C30
18	B	849	WVN	C27-C25-C28-C30
18	B	849	WVN	C26-C29-C31-C32
18	B	849	WVN	C29-C31-C32-C35
18	B	850	WVN	C02-C11-C19-C22
18	B	850	WVN	C15-C13-C20-C23
18	B	850	WVN	C11-C19-C22-C26
18	B	850	WVN	C24-C22-C26-C29
18	B	850	WVN	C23-C25-C28-C30
18	B	850	WVN	C27-C25-C28-C30
18	B	850	WVN	C26-C29-C31-C32
18	B	850	WVN	C35-C32-C36-C39
18	B	850	WVN	C38-C34-C37-C40
18	B	850	WVN	C36-C39-C40-C37
18	B	851	WVN	C02-C11-C19-C22
18	B	851	WVN	C15-C13-C20-C23
18	B	851	WVN	C13-C20-C23-C25
18	B	851	WVN	C23-C25-C28-C30
18	B	851	WVN	C25-C28-C30-C33
18	B	851	WVN	C31-C32-C36-C39
18	B	851	WVN	C35-C32-C36-C39
18	B	851	WVN	C30-C33-C34-C37
18	B	851	WVN	C30-C33-C34-C38
18	B	851	WVN	C38-C34-C37-C40
18	F	204	WVN	C02-C11-C19-C22
18	F	204	WVN	C11-C19-C22-C24
18	F	204	WVN	C13-C20-C23-C25
18	F	204	WVN	C19-C22-C26-C29
18	F	204	WVN	C24-C22-C26-C29
18	F	204	WVN	C20-C23-C25-C28
18	F	204	WVN	C22-C26-C29-C31
18	F	204	WVN	C26-C29-C31-C32
18	F	204	WVN	C29-C31-C32-C36
18	F	204	WVN	C31-C32-C36-C39
18	F	204	WVN	C35-C32-C36-C39
18	F	204	WVN	C33-C34-C37-C40

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Mol	Chain	Res	Type	Atoms
18	F	204	WVN	C38-C34-C37-C40
18	F	205	WVN	C01-C02-C11-C19
18	F	205	WVN	C05-C02-C11-C19
18	F	205	WVN	C02-C11-C19-C22
18	F	205	WVN	C06-C13-C20-C23
18	F	205	WVN	C13-C20-C23-C25
18	F	205	WVN	C24-C22-C26-C29
18	F	205	WVN	C23-C25-C28-C30
18	F	205	WVN	C27-C25-C28-C30
18	F	205	WVN	C26-C29-C31-C32
18	F	205	WVN	C29-C31-C32-C36
18	F	205	WVN	C30-C33-C34-C37
18	F	205	WVN	C38-C34-C37-C40
18	F	205	WVN	C34-C37-C40-C39
18	I	102	WVN	C02-C11-C19-C22
18	I	102	WVN	C11-C19-C22-C24
18	I	102	WVN	C13-C20-C23-C25
18	I	102	WVN	C20-C23-C25-C27
18	I	102	WVN	C23-C25-C28-C30
18	I	102	WVN	C22-C26-C29-C31
18	I	102	WVN	C25-C28-C30-C33
18	I	102	WVN	C26-C29-C31-C32
18	I	102	WVN	C31-C32-C36-C39
18	I	102	WVN	C35-C32-C36-C39
18	I	102	WVN	C30-C33-C34-C37
18	I	102	WVN	C30-C33-C34-C38
18	I	102	WVN	C38-C34-C37-C40
18	K	103	WVN	C02-C11-C19-C22
18	K	103	WVN	C15-C13-C20-C23
18	K	103	WVN	C13-C20-C23-C25
18	K	103	WVN	C24-C22-C26-C29
18	K	103	WVN	C23-C25-C28-C30
18	K	103	WVN	C27-C25-C28-C30
18	K	103	WVN	C25-C28-C30-C33
18	K	103	WVN	C26-C29-C31-C32
18	K	103	WVN	C31-C32-C36-C39
18	K	103	WVN	C35-C32-C36-C39
18	K	103	WVN	C33-C34-C37-C40
18	K	103	WVN	C38-C34-C37-C40
18	L	201	WVN	C01-C02-C11-C19
18	L	201	WVN	C05-C02-C11-C19
18	L	201	WVN	C02-C11-C19-C22

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Mol	Chain	Res	Type	Atoms
18	L	201	WVN	C11-C19-C22-C26
18	L	201	WVN	C13-C20-C23-C25
18	L	201	WVN	C23-C25-C28-C30
18	L	201	WVN	C27-C25-C28-C30
18	L	201	WVN	C26-C29-C31-C32
18	L	201	WVN	C29-C31-C32-C36
18	L	201	WVN	C30-C33-C34-C38
18	L	201	WVN	C33-C34-C37-C40
18	L	201	WVN	C38-C34-C37-C40
18	L	201	WVN	C32-C36-C39-C40
18	L	202	WVN	C06-C13-C20-C23
18	L	202	WVN	C13-C20-C23-C25
18	L	202	WVN	C24-C22-C26-C29
18	L	202	WVN	C27-C25-C28-C30
18	L	202	WVN	C25-C28-C30-C33
18	L	202	WVN	C26-C29-C31-C32
18	L	202	WVN	C29-C31-C32-C36
18	L	202	WVN	C35-C32-C36-C39
18	L	202	WVN	C30-C33-C34-C38
18	L	202	WVN	C33-C34-C37-C40
18	L	202	WVN	C38-C34-C37-C40
18	L	209	WVN	C11-C19-C22-C26
18	L	209	WVN	C13-C20-C23-C25
18	L	209	WVN	C24-C22-C26-C29
18	L	209	WVN	C26-C29-C31-C32
18	L	209	WVN	C29-C31-C32-C36
18	L	209	WVN	C31-C32-C36-C39
18	L	209	WVN	C35-C32-C36-C39
18	L	209	WVN	C30-C33-C34-C37
18	L	209	WVN	C33-C34-C37-C40
18	L	209	WVN	C38-C34-C37-C40
18	M	101	WVN	C01-C02-C11-C19
18	M	101	WVN	C05-C02-C11-C19
18	M	101	WVN	C11-C19-C22-C26
18	M	101	WVN	C13-C20-C23-C25
18	M	101	WVN	C23-C25-C28-C30
18	M	101	WVN	C22-C26-C29-C31
18	M	101	WVN	C26-C29-C31-C32
18	M	101	WVN	C31-C32-C36-C39
18	M	101	WVN	C35-C32-C36-C39
18	M	101	WVN	C38-C34-C37-C40
18	M	101	WVN	C32-C36-C39-C40

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Mol	Chain	Res	Type	Atoms
20	B	825	LMG	O6-C1-O1-C7
20	B	825	LMG	O9-C10-O7-C8
20	B	825	LMG	C11-C10-O7-C8
14	F	202	CL7	O1D-CGD-O2D-CED
14	A	841	CL7	C2C-C3C-CAC-CBC
14	A	804	CL7	O1D-CGD-O2D-CED
14	B	807	CL7	O1D-CGD-O2D-CED
14	A	807	CL7	CBD-CGD-O2D-CED
14	A	820	CL7	CBD-CGD-O2D-CED
14	A	827	CL7	CBD-CGD-O2D-CED
14	A	831	CL7	CBD-CGD-O2D-CED
14	A	841	CL7	CBD-CGD-O2D-CED
14	A	843	CL7	CBD-CGD-O2D-CED
14	A	855	CL7	CBD-CGD-O2D-CED
14	B	807	CL7	CBD-CGD-O2D-CED
14	B	835	CL7	CBD-CGD-O2D-CED
14	B	838	CL7	CBD-CGD-O2D-CED
14	B	839	CL7	CBD-CGD-O2D-CED
14	F	201	CL7	CBD-CGD-O2D-CED
14	F	202	CL7	CBD-CGD-O2D-CED
14	I	101	CL7	CBD-CGD-O2D-CED
14	A	842	CL7	O1A-CGA-O2A-C1
14	A	841	CL7	C4C-C3C-CAC-CBC
14	F	201	CL7	O1D-CGD-O2D-CED
14	A	807	CL7	O1A-CGA-O2A-C1
14	A	821	CL7	O1A-CGA-O2A-C1
14	B	822	CL7	O1A-CGA-O2A-C1
14	B	833	CL7	O1A-CGA-O2A-C1
14	L	204	CL7	O1A-CGA-O2A-C1
14	L	207	CL7	O1A-CGA-O2A-C1
14	A	829	CL7	O1D-CGD-O2D-CED
14	A	848	CL7	O1D-CGD-O2D-CED
14	A	855	CL7	O1D-CGD-O2D-CED
14	B	803	CL7	O1D-CGD-O2D-CED
14	B	836	CL7	O1D-CGD-O2D-CED
14	A	844	CL7	O1D-CGD-O2D-CED
14	B	834	CL7	O1D-CGD-O2D-CED
14	B	844	CL7	O1D-CGD-O2D-CED
14	F	203	CL7	O1D-CGD-O2D-CED
14	K	102	CL7	O1D-CGD-O2D-CED
14	A	818	CL7	CBD-CGD-O2D-CED
14	A	828	CL7	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	A	833	CL7	CBD-CGD-O2D-CED
15	A	824	LHG	O9-C7-O7-C5
14	A	835	CL7	O1D-CGD-O2D-CED
14	A	821	CL7	C3-C5-C6-C7
14	A	822	CL7	C3-C5-C6-C7
14	A	826	CL7	C3-C5-C6-C7
14	A	829	CL7	C3-C5-C6-C7
14	A	844	CL7	C3-C5-C6-C7
14	B	804	CL7	C3-C5-C6-C7
14	B	811	CL7	C3-C5-C6-C7
14	B	826	CL7	C3-C5-C6-C7
14	L	204	CL7	C3-C5-C6-C7
14	F	202	CL7	C10-C11-C12-C13
14	B	826	CL7	CBA-CGA-O2A-C1
14	L	204	CL7	CBA-CGA-O2A-C1
14	L	207	CL7	CBA-CGA-O2A-C1
14	A	806	CL7	CBD-CGD-O2D-CED
14	A	819	CL7	CBD-CGD-O2D-CED
14	A	839	CL7	CBD-CGD-O2D-CED
14	B	813	CL7	CBD-CGD-O2D-CED
14	B	815	CL7	CBD-CGD-O2D-CED
14	B	816	CL7	CBD-CGD-O2D-CED
14	B	817	CL7	CBD-CGD-O2D-CED
14	B	819	CL7	CBD-CGD-O2D-CED
14	B	824	CL7	CBD-CGD-O2D-CED
14	B	828	CL7	CBD-CGD-O2D-CED
14	A	810	CL7	O1D-CGD-O2D-CED
14	B	838	CL7	O1D-CGD-O2D-CED
14	B	815	CL7	O1A-CGA-O2A-C1
14	A	828	CL7	C4-C3-C5-C6
14	A	834	CL7	C4-C3-C5-C6
14	B	822	CL7	C2-C3-C5-C6
14	B	837	CL7	C2A-CAA-CBA-CGA
14	F	202	CL7	O1A-CGA-O2A-C1
14	A	810	CL7	C3-C5-C6-C7
14	B	806	CL7	C3-C5-C6-C7
14	B	840	CL7	C3-C5-C6-C7
14	L	207	CL7	C3-C5-C6-C7
14	A	807	CL7	CBA-CGA-O2A-C1
14	A	821	CL7	CBA-CGA-O2A-C1
14	A	841	CL7	CBA-CGA-O2A-C1
14	B	815	CL7	CBA-CGA-O2A-C1

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Mol	Chain	Res	Type	Atoms
14	B	822	CL7	CBA-CGA-O2A-C1
14	B	833	CL7	CBA-CGA-O2A-C1
14	F	202	CL7	CBA-CGA-O2A-C1
20	B	825	LMG	C20-C21-C22-C23
18	A	849	WVN	C25-C28-C30-C33
18	A	850	WVN	C25-C28-C30-C33
18	A	852	WVN	C25-C28-C30-C33
18	A	852	WVN	C34-C37-C40-C39
18	B	848	WVN	C25-C28-C30-C33
18	B	851	WVN	C22-C26-C29-C31
18	F	204	WVN	C25-C28-C30-C33
18	K	103	WVN	C32-C36-C39-C40
18	L	209	WVN	C25-C28-C30-C33
14	B	826	CL7	O1A-CGA-O2A-C1
14	B	830	CL7	O1A-CGA-O2A-C1
14	I	101	CL7	O1D-CGD-O2D-CED
20	B	825	LMG	C35-C36-C37-C38
20	B	825	LMG	C38-C39-C40-C41
14	A	807	CL7	O1D-CGD-O2D-CED
14	B	839	CL7	O1D-CGD-O2D-CED
14	A	806	CL7	C3-C5-C6-C7
14	A	813	CL7	C3-C5-C6-C7
14	A	823	CL7	C3-C5-C6-C7
14	A	834	CL7	C3-C5-C6-C7
14	B	822	CL7	C3-C5-C6-C7
14	A	808	CL7	CBD-CGD-O2D-CED
14	A	813	CL7	CBD-CGD-O2D-CED
14	B	804	CL7	CBD-CGD-O2D-CED
15	A	824	LHG	O2-C2-C3-O3
14	A	827	CL7	O1D-CGD-O2D-CED
14	A	841	CL7	O1D-CGD-O2D-CED
14	A	843	CL7	CBA-CGA-O2A-C1
14	B	814	CL7	CBA-CGA-O2A-C1
14	B	817	CL7	CBA-CGA-O2A-C1
14	B	830	CL7	CBA-CGA-O2A-C1
14	B	844	CL7	CBA-CGA-O2A-C1
14	B	845	CL7	CBA-CGA-O2A-C1
14	L	205	CL7	CBA-CGA-O2A-C1
15	L	208	LHG	C24-C23-O8-C6
14	A	811	CL7	CBD-CGD-O2D-CED
14	A	815	CL7	CBD-CGD-O2D-CED
14	B	821	CL7	CBD-CGD-O2D-CED

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Mol	Chain	Res	Type	Atoms
14	B	833	CL7	CBD-CGD-O2D-CED
15	L	208	LHG	C8-C7-O7-C5
14	A	843	CL7	O1D-CGD-O2D-CED
14	B	835	CL7	O1D-CGD-O2D-CED
14	A	834	CL7	CBD-CGD-O2D-CED
14	B	811	CL7	CBD-CGD-O2D-CED
14	B	814	CL7	CBD-CGD-O2D-CED
14	B	842	CL7	CBD-CGD-O2D-CED
14	A	820	CL7	O1D-CGD-O2D-CED
14	A	831	CL7	O1D-CGD-O2D-CED
14	A	817	CL7	C4-C3-C5-C6
14	A	843	CL7	C4-C3-C5-C6
14	B	803	CL7	C4-C3-C5-C6
14	B	824	CL7	C4-C3-C5-C6
14	B	840	CL7	C4-C3-C5-C6
14	A	817	CL7	C2-C3-C5-C6
14	A	828	CL7	C2-C3-C5-C6
14	A	829	CL7	C2-C3-C5-C6
14	A	834	CL7	C2-C3-C5-C6
14	A	843	CL7	C2-C3-C5-C6
14	B	803	CL7	C2-C3-C5-C6
14	B	824	CL7	C2-C3-C5-C6
14	B	840	CL7	C2-C3-C5-C6
14	A	841	CL7	O1A-CGA-O2A-C1
14	A	843	CL7	O1A-CGA-O2A-C1
14	B	844	CL7	O1A-CGA-O2A-C1
14	B	845	CL7	O1A-CGA-O2A-C1
15	L	208	LHG	O10-C23-O8-C6
15	L	208	LHG	O9-C7-O7-C5
17	L	203	LMT	O5'-C5'-C6'-O6'
14	A	809	CL7	CBD-CGD-O2D-CED
14	A	815	CL7	O1A-CGA-O2A-C1
14	B	814	CL7	O1A-CGA-O2A-C1
14	B	817	CL7	O1A-CGA-O2A-C1
14	A	845	CL7	CBD-CGD-O2D-CED
14	B	809	CL7	CBD-CGD-O2D-CED
14	B	823	CL7	CBD-CGD-O2D-CED
14	A	833	CL7	O1D-CGD-O2D-CED
14	L	204	CL7	CBD-CGD-O2D-CED
14	A	818	CL7	O1D-CGD-O2D-CED
18	A	851	WVN	C22-C26-C29-C31
18	I	102	WVN	C34-C37-C40-C39

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Mol	Chain	Res	Type	Atoms
18	L	202	WVN	C32-C36-C39-C40
18	L	209	WVN	C22-C26-C29-C31
18	L	209	WVN	C32-C36-C39-C40
14	L	205	CL7	O1A-CGA-O2A-C1
14	A	828	CL7	O1D-CGD-O2D-CED
14	A	806	CL7	CBA-CGA-O2A-C1
14	A	815	CL7	CBA-CGA-O2A-C1
14	A	844	CL7	CBA-CGA-O2A-C1
14	A	845	CL7	CBA-CGA-O2A-C1
14	B	818	CL7	CBA-CGA-O2A-C1
14	B	831	CL7	CBA-CGA-O2A-C1
15	A	824	LHG	C30-C31-C32-C33
14	A	805	CL7	CBD-CGD-O2D-CED
14	B	840	CL7	C2C-C3C-CAC-CBC
14	A	821	CL7	C4-C3-C5-C6
14	A	822	CL7	C4-C3-C5-C6
14	A	829	CL7	C4-C3-C5-C6
14	A	821	CL7	C2-C3-C5-C6
14	A	822	CL7	C2-C3-C5-C6
13	A	854	PHO	C14-C13-C15-C16
14	A	806	CL7	C6-C7-C8-C9
14	A	815	CL7	C11-C12-C13-C14
14	A	828	CL7	C6-C7-C8-C9
14	B	824	CL7	C11-C12-C13-C14
14	B	840	CL7	C6-C7-C8-C9
16	A	830	PQN	C21-C22-C23-C24
16	B	820	PQN	C16-C17-C18-C19
14	B	824	CL7	O1D-CGD-O2D-CED
14	A	839	CL7	O1D-CGD-O2D-CED
14	B	816	CL7	O1D-CGD-O2D-CED
14	A	806	CL7	O1A-CGA-O2A-C1
14	B	815	CL7	O1D-CGD-O2D-CED
18	A	849	WVN	C11-C19-C22-C24
18	A	849	WVN	C20-C23-C25-C27
18	A	850	WVN	C11-C19-C22-C24
18	A	850	WVN	C30-C33-C34-C38
18	A	851	WVN	C11-C19-C22-C24
18	A	851	WVN	C20-C23-C25-C27
18	A	853	WVN	C11-C19-C22-C24
18	B	848	WVN	C11-C19-C22-C24
18	B	850	WVN	C11-C19-C22-C24
18	B	851	WVN	C20-C23-C25-C27

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Mol	Chain	Res	Type	Atoms
18	F	204	WVN	C29-C31-C32-C35
18	F	204	WVN	C30-C33-C34-C38
18	F	205	WVN	C29-C31-C32-C35
18	F	205	WVN	C30-C33-C34-C38
18	K	103	WVN	C11-C19-C22-C24
18	K	103	WVN	C20-C23-C25-C27
18	K	103	WVN	C30-C33-C34-C38
18	L	201	WVN	C20-C23-C25-C27
18	L	201	WVN	C29-C31-C32-C35
18	L	209	WVN	C29-C31-C32-C35
18	L	209	WVN	C30-C33-C34-C38
18	A	849	WVN	C30-C33-C34-C37
18	A	852	WVN	C20-C23-C25-C28
18	A	853	WVN	C20-C23-C25-C28
18	B	850	WVN	C30-C33-C34-C37
18	F	204	WVN	C11-C19-C22-C26
18	F	205	WVN	C11-C19-C22-C26
18	F	205	WVN	C20-C23-C25-C28
18	L	201	WVN	C20-C23-C25-C28
18	L	201	WVN	C30-C33-C34-C37
18	L	209	WVN	C20-C23-C25-C28
18	M	101	WVN	C30-C33-C34-C37
14	A	844	CL7	O1A-CGA-O2A-C1
14	A	815	CL7	C10-C11-C12-C13
17	B	832	LMT	O5'-C5'-C6'-O6'
15	L	208	LHG	O7-C5-C6-O8
14	A	836	CL7	C13-C15-C16-C17
14	A	815	CL7	C2-C1-O2A-CGA
14	A	822	CL7	C2-C1-O2A-CGA
14	A	826	CL7	C2-C1-O2A-CGA
14	A	833	CL7	C2-C1-O2A-CGA
14	A	840	CL7	C2-C1-O2A-CGA
14	B	817	CL7	C2-C1-O2A-CGA
14	B	818	CL7	C2-C1-O2A-CGA
14	B	845	CL7	C2-C1-O2A-CGA
14	F	202	CL7	C2-C1-O2A-CGA
14	B	828	CL7	O1D-CGD-O2D-CED
14	A	813	CL7	C5-C6-C7-C8
14	A	821	CL7	C13-C15-C16-C17
14	A	821	CL7	C15-C16-C17-C18
14	A	841	CL7	C10-C11-C12-C13
14	A	845	CL7	C10-C11-C12-C13

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Mol	Chain	Res	Type	Atoms
14	B	822	CL7	C13-C15-C16-C17
17	A	837	LMT	O5'-C5'-C6'-O6'
14	B	831	CL7	C3-C5-C6-C7
16	B	820	PQN	C13-C15-C16-C17
14	A	806	CL7	O1D-CGD-O2D-CED
14	A	845	CL7	O1A-CGA-O2A-C1
17	B	832	LMT	C4'-C5'-C6'-O6'
14	A	828	CL7	C12-C13-C15-C16
14	B	813	CL7	O1D-CGD-O2D-CED
17	A	847	LMT	C1-C2-C3-C4
14	B	804	CL7	C13-C15-C16-C17
17	L	203	LMT	C4'-C5'-C6'-O6'
18	A	852	WVN	C22-C26-C29-C31
18	A	853	WVN	C22-C26-C29-C31
18	A	853	WVN	C25-C28-C30-C33
18	B	849	WVN	C22-C26-C29-C31
18	B	849	WVN	C25-C28-C30-C33
18	B	850	WVN	C32-C36-C39-C40
18	B	851	WVN	C34-C37-C40-C39
18	K	103	WVN	C22-C26-C29-C31
18	L	209	WVN	C34-C37-C40-C39
14	B	818	CL7	O1A-CGA-O2A-C1
14	A	819	CL7	O1D-CGD-O2D-CED
14	A	813	CL7	C10-C11-C12-C13
14	A	828	CL7	C15-C16-C17-C18
14	A	836	CL7	C15-C16-C17-C18
17	L	206	LMT	C2-C3-C4-C5
14	B	831	CL7	CBD-CGD-O2D-CED
14	A	810	CL7	CBA-CGA-O2A-C1
14	A	828	CL7	C5-C6-C7-C8
14	A	844	CL7	C8-C10-C11-C12
14	A	808	CL7	C2A-CAA-CBA-CGA
14	A	810	CL7	C2A-CAA-CBA-CGA
14	A	842	CL7	C2A-CAA-CBA-CGA
14	B	818	CL7	C2A-CAA-CBA-CGA
14	B	845	CL7	C2A-CAA-CBA-CGA
14	L	207	CL7	C2A-CAA-CBA-CGA
18	L	202	WVN	C28-C30-C33-C34
14	A	815	CL7	C13-C15-C16-C17
14	A	834	CL7	C13-C15-C16-C17
14	A	842	CL7	C10-C11-C12-C13
14	A	842	CL7	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
14	B	819	CL7	C10-C11-C12-C13
15	A	824	LHG	C23-C24-C25-C26
14	B	819	CL7	O1D-CGD-O2D-CED
14	B	831	CL7	O1A-CGA-O2A-C1
17	L	203	LMT	O5'-C1'-O1'-C1
14	A	806	CL7	C8-C10-C11-C12
14	A	818	CL7	C15-C16-C17-C18
14	A	823	CL7	C5-C6-C7-C8
14	A	827	CL7	C10-C11-C12-C13
14	A	828	CL7	C13-C15-C16-C17
14	B	811	CL7	C15-C16-C17-C18
14	B	814	CL7	C10-C11-C12-C13
14	B	826	CL7	C10-C11-C12-C13
14	B	826	CL7	C15-C16-C17-C18
14	L	204	CL7	C5-C6-C7-C8
14	L	204	CL7	C15-C16-C17-C18
14	L	207	CL7	C15-C16-C17-C18
17	A	837	LMT	C4'-C5'-C6'-O6'
13	A	802	PHO	C13-C15-C16-C17
14	B	819	CL7	C13-C15-C16-C17
14	A	813	CL7	O1D-CGD-O2D-CED
14	A	815	CL7	O1D-CGD-O2D-CED
14	A	828	CL7	C8-C10-C11-C12
14	B	826	CL7	C13-C15-C16-C17
16	B	820	PQN	C23-C25-C26-C27
13	A	802	PHO	CBD-CGD-O2D-CED
14	A	832	CL7	C4-C3-C5-C6
17	L	203	LMT	O1'-C1-C2-C3
14	B	804	CL7	O1D-CGD-O2D-CED
14	B	817	CL7	O1D-CGD-O2D-CED
14	A	842	CL7	C8-C10-C11-C12
14	B	819	CL7	C15-C16-C17-C18
14	L	207	CL7	C10-C11-C12-C13
14	A	828	CL7	CBA-CGA-O2A-C1
14	A	846	CL7	CBA-CGA-O2A-C1
14	B	811	CL7	O1D-CGD-O2D-CED
14	B	818	CL7	C15-C16-C17-C18
18	A	851	WVN	C34-C37-C40-C39
18	B	848	WVN	C22-C26-C29-C31
18	B	850	WVN	C34-C37-C40-C39
16	A	830	PQN	C18-C20-C21-C22
14	A	831	CL7	C2A-CAA-CBA-CGA

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Mol	Chain	Res	Type	Atoms
14	A	808	CL7	O1D-CGD-O2D-CED
14	B	808	CL7	CBA-CGA-O2A-C1
14	A	810	CL7	C5-C6-C7-C8
14	A	845	CL7	C5-C6-C7-C8
14	B	804	CL7	C8-C10-C11-C12
14	B	845	CL7	C5-C6-C7-C8
14	F	202	CL7	C15-C16-C17-C18
14	L	207	CL7	CBD-CGD-O2D-CED
14	A	811	CL7	O1D-CGD-O2D-CED
14	B	833	CL7	O1D-CGD-O2D-CED
14	A	813	CL7	C8-C10-C11-C12
14	B	814	CL7	C5-C6-C7-C8
14	L	204	CL7	C13-C15-C16-C17
15	A	825	LHG	C34-C35-C36-C37
14	B	842	CL7	O1D-CGD-O2D-CED
14	B	822	CL7	C10-C11-C12-C13
14	B	833	CL7	C5-C6-C7-C8
14	A	803	CL7	C15-C16-C17-C18
16	B	820	PQN	C20-C21-C22-C23
14	B	824	CL7	C13-C15-C16-C17
15	A	825	LHG	C24-C23-O8-C6
14	A	818	CL7	C16-C17-C18-C20
14	A	829	CL7	C10-C11-C12-C13
14	A	846	CL7	O1A-CGA-O2A-C1
17	B	832	LMT	O1'-C1-C2-C3
18	A	849	WVN	C27-C25-C28-C30
18	A	849	WVN	C38-C34-C37-C40
18	F	204	WVN	C27-C25-C28-C30
18	F	205	WVN	C35-C32-C36-C39
18	A	849	WVN	C29-C31-C32-C35
18	A	851	WVN	C29-C31-C32-C35
18	A	851	WVN	C30-C33-C34-C38
18	A	852	WVN	C20-C23-C25-C27
18	A	852	WVN	C29-C31-C32-C35
18	A	853	WVN	C29-C31-C32-C35
18	B	848	WVN	C29-C31-C32-C35
18	B	851	WVN	C11-C19-C22-C24
18	F	204	WVN	C20-C23-C25-C27
18	I	102	WVN	C29-C31-C32-C35
18	K	103	WVN	C29-C31-C32-C35
18	L	202	WVN	C11-C19-C22-C24
18	L	209	WVN	C11-C19-C22-C24

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Mol	Chain	Res	Type	Atoms
18	M	101	WVN	C11-C19-C22-C24
18	M	101	WVN	C29-C31-C32-C35
18	A	850	WVN	C29-C31-C32-C36
18	A	851	WVN	C29-C31-C32-C36
18	A	852	WVN	C30-C33-C34-C37
18	A	853	WVN	C30-C33-C34-C37
18	B	848	WVN	C11-C19-C22-C26
18	B	850	WVN	C20-C23-C25-C28
18	B	851	WVN	C20-C23-C25-C28
18	I	102	WVN	C11-C19-C22-C26
18	L	202	WVN	C20-C23-C25-C28
18	L	202	WVN	C30-C33-C34-C37
14	A	810	CL7	O1A-CGA-O2A-C1
14	B	808	CL7	O1A-CGA-O2A-C1
14	A	817	CL7	C2A-CAA-CBA-CGA
15	A	825	LHG	O1-C1-C2-C3
14	B	821	CL7	O1D-CGD-O2D-CED
18	F	205	WVN	C25-C28-C30-C33
18	L	202	WVN	C22-C26-C29-C31
14	A	806	CL7	C16-C17-C18-C20
14	A	815	CL7	C16-C17-C18-C19
14	A	842	CL7	C16-C17-C18-C20
14	A	844	CL7	C11-C12-C13-C15
14	B	831	CL7	C6-C7-C8-C10
14	A	827	CL7	C3-C5-C6-C7
14	A	828	CL7	C3-C5-C6-C7
18	A	849	WVN	C33-C34-C37-C40
18	A	850	WVN	C31-C32-C36-C39
18	A	851	WVN	C31-C32-C36-C39
18	A	852	WVN	C19-C22-C26-C29
18	A	853	WVN	C19-C22-C26-C29
18	A	853	WVN	C23-C25-C28-C30
18	A	853	WVN	C31-C32-C36-C39
18	B	848	WVN	C23-C25-C28-C30
18	B	850	WVN	C19-C22-C26-C29
18	B	850	WVN	C33-C34-C37-C40
18	B	851	WVN	C33-C34-C37-C40
18	F	205	WVN	C33-C34-C37-C40
18	I	102	WVN	C33-C34-C37-C40
18	K	103	WVN	C19-C22-C26-C29
18	L	201	WVN	C19-C22-C26-C29
18	L	209	WVN	C19-C22-C26-C29

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Mol	Chain	Res	Type	Atoms
18	M	101	WVN	C33-C34-C37-C40
17	B	841	LMT	O1'-C1-C2-C3
17	A	837	LMT	C1-C2-C3-C4
14	A	809	CL7	O1D-CGD-O2D-CED
14	B	809	CL7	O1D-CGD-O2D-CED
14	B	814	CL7	O1D-CGD-O2D-CED
17	A	837	LMT	C7-C8-C9-C10
14	A	808	CL7	CBA-CGA-O2A-C1
14	B	843	CL7	CBA-CGA-O2A-C1
14	A	843	CL7	C15-C16-C17-C18
14	B	811	CL7	C5-C6-C7-C8
14	B	843	CL7	C10-C11-C12-C13
14	B	845	CL7	C8-C10-C11-C12
14	B	840	CL7	C2-C1-O2A-CGA
14	A	844	CL7	C11-C12-C13-C14
14	B	840	CL7	C16-C17-C18-C19
18	B	849	WVN	C28-C30-C33-C34
15	A	824	LHG	C31-C32-C33-C34
15	L	208	LHG	C9-C10-C11-C12
15	L	208	LHG	C10-C11-C12-C13
14	A	845	CL7	O1D-CGD-O2D-CED
14	A	817	CL7	C5-C6-C7-C8
14	B	845	CL7	C10-C11-C12-C13
14	A	828	CL7	O1A-CGA-O2A-C1
14	A	834	CL7	CBA-CGA-O2A-C1
17	B	841	LMT	C5-C6-C7-C8
17	A	837	LMT	C2-C1-O1'-C1'
17	L	206	LMT	C2-C1-O1'-C1'
17	A	837	LMT	C6-C7-C8-C9
17	A	847	LMT	C4-C5-C6-C7
20	B	825	LMG	C36-C37-C38-C39
14	A	806	CL7	C16-C17-C18-C19
14	A	815	CL7	C16-C17-C18-C20
14	A	826	CL7	C16-C17-C18-C20
14	A	836	CL7	C16-C17-C18-C20
14	A	842	CL7	C16-C17-C18-C19
14	A	845	CL7	C11-C12-C13-C15
14	B	840	CL7	C16-C17-C18-C20
14	A	834	CL7	O1D-CGD-O2D-CED
14	B	824	CL7	C12-C13-C15-C16
14	B	845	CL7	C6-C7-C8-C10
14	L	207	CL7	C11-C12-C13-C15

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Mol	Chain	Res	Type	Atoms
15	A	825	LHG	C23-C24-C25-C26
14	A	834	CL7	C15-C16-C17-C18
14	A	803	CL7	C3A-C2A-CAA-CBA
14	A	827	CL7	C3A-C2A-CAA-CBA
14	B	823	CL7	C3A-C2A-CAA-CBA
14	B	828	CL7	C3A-C2A-CAA-CBA
14	B	834	CL7	C3A-C2A-CAA-CBA
14	B	843	CL7	C3A-C2A-CAA-CBA
14	F	202	CL7	C8-C10-C11-C12
14	B	823	CL7	O1D-CGD-O2D-CED
18	A	849	WVN	C32-C36-C39-C40
18	A	851	WVN	C32-C36-C39-C40
18	I	102	WVN	C32-C36-C39-C40
14	A	826	CL7	C16-C17-C18-C19
14	B	829	CL7	CBA-CGA-O2A-C1
14	A	838	CL7	C3-C5-C6-C7
14	A	822	CL7	C15-C16-C17-C18
14	A	828	CL7	C16-C17-C18-C19
14	B	843	CL7	O1A-CGA-O2A-C1
18	A	852	WVN	C15-C13-C20-C23
18	L	202	WVN	C15-C13-C20-C23
18	M	101	WVN	C06-C13-C20-C23
15	A	825	LHG	C29-C30-C31-C32
14	A	821	CL7	CBD-CGD-O2D-CED
17	B	832	LMT	C6-C7-C8-C9
20	B	825	LMG	C33-C34-C35-C36
14	A	803	CL7	C2A-CAA-CBA-CGA
14	A	832	CL7	C2A-CAA-CBA-CGA
14	F	203	CL7	C2A-CAA-CBA-CGA
20	B	825	LMG	C37-C38-C39-C40
14	A	808	CL7	O1A-CGA-O2A-C1
14	A	842	CL7	C4-C3-C5-C6
18	A	850	WVN	C28-C30-C33-C34
18	F	204	WVN	C28-C30-C33-C34
18	F	205	WVN	C28-C30-C33-C34
14	A	832	CL7	C2-C3-C5-C6
14	A	840	CL7	CBA-CGA-O2A-C1
14	A	834	CL7	O1A-CGA-O2A-C1
16	A	830	PQN	C24-C23-C25-C26
15	A	825	LHG	C31-C32-C33-C34
20	B	825	LMG	C21-C22-C23-C24
14	B	840	CL7	C13-C15-C16-C17

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Mol	Chain	Res	Type	Atoms
17	L	206	LMT	C1-C2-C3-C4
18	A	852	WVN	C36-C39-C40-C37
18	L	201	WVN	C36-C39-C40-C37
15	A	825	LHG	C7-C8-C9-C10
17	A	847	LMT	O5'-C5'-C6'-O6'
18	A	853	WVN	C34-C37-C40-C39
14	A	823	CL7	C16-C17-C18-C19
14	A	818	CL7	C5-C6-C7-C8
18	A	850	WVN	C11-C19-C22-C26
18	I	102	WVN	C29-C31-C32-C36
18	M	101	WVN	C20-C23-C25-C28
16	B	820	PQN	C15-C16-C17-C18
14	A	810	CL7	C6-C7-C8-C10
14	A	810	CL7	C6-C7-C8-C9
14	A	823	CL7	C16-C17-C18-C20
14	A	828	CL7	C16-C17-C18-C20
14	A	836	CL7	C16-C17-C18-C19
14	A	838	CL7	C6-C7-C8-C9
14	B	843	CL7	C4-C3-C5-C6
14	B	843	CL7	C2-C3-C5-C6
14	L	204	CL7	O1D-CGD-O2D-CED
14	A	827	CL7	C5-C6-C7-C8
14	A	840	CL7	O1A-CGA-O2A-C1
15	A	825	LHG	O10-C23-O8-C6
20	B	825	LMG	C12-C13-C14-C15
14	B	814	CL7	C8-C10-C11-C12
15	L	208	LHG	C11-C10-C9-C8
14	B	829	CL7	O1A-CGA-O2A-C1
14	A	805	CL7	O1D-CGD-O2D-CED
15	L	208	LHG	C11-C12-C13-C14
14	A	829	CL7	C2-C1-O2A-CGA
14	A	818	CL7	C16-C17-C18-C19
14	A	840	CL7	C5-C6-C7-C8
17	B	832	LMT	C4-C5-C6-C7
14	A	842	CL7	C2-C3-C5-C6
14	A	817	CL7	C10-C11-C12-C13
14	B	802	CL7	C2A-CAA-CBA-CGA
14	B	813	CL7	C2A-CAA-CBA-CGA
14	B	840	CL7	CBA-CGA-O2A-C1
15	A	824	LHG	O1-C1-C2-O2
17	B	832	LMT	C1-C2-C3-C4
14	A	806	CL7	C1A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	A	809	CL7	C1A-C2A-CAA-CBA
14	A	816	CL7	C1A-C2A-CAA-CBA
14	A	828	CL7	C1A-C2A-CAA-CBA
14	A	832	CL7	C1A-C2A-CAA-CBA
14	A	835	CL7	C1A-C2A-CAA-CBA
14	A	836	CL7	C1A-C2A-CAA-CBA
14	A	839	CL7	C1A-C2A-CAA-CBA
14	B	809	CL7	C1A-C2A-CAA-CBA
14	B	811	CL7	C1A-C2A-CAA-CBA
14	B	814	CL7	C1A-C2A-CAA-CBA
14	B	816	CL7	C1A-C2A-CAA-CBA
14	B	817	CL7	C1A-C2A-CAA-CBA
14	B	819	CL7	C1A-C2A-CAA-CBA
14	B	826	CL7	C1A-C2A-CAA-CBA
14	B	833	CL7	C1A-C2A-CAA-CBA
14	B	834	CL7	C1A-C2A-CAA-CBA
14	B	836	CL7	C1A-C2A-CAA-CBA
14	B	837	CL7	C1A-C2A-CAA-CBA
14	L	205	CL7	C1A-C2A-CAA-CBA
14	A	839	CL7	C8-C10-C11-C12
14	B	805	CL7	C13-C15-C16-C17
16	A	830	PQN	C23-C25-C26-C27
14	B	840	CL7	O1A-CGA-O2A-C1
15	A	825	LHG	O6-C4-C5-C6
14	A	821	CL7	C11-C10-C8-C7
14	A	822	CL7	C6-C7-C8-C10
14	A	828	CL7	C6-C7-C8-C10
14	A	839	CL7	C11-C10-C8-C7
14	A	845	CL7	C6-C7-C8-C10
14	B	811	CL7	C11-C10-C8-C7
14	B	814	CL7	C11-C10-C8-C7
14	F	202	CL7	C6-C7-C8-C10
14	L	205	CL7	C12-C13-C15-C16
14	B	805	CL7	C16-C17-C18-C20
14	B	843	CL7	C5-C6-C7-C8
14	L	207	CL7	C5-C6-C7-C8
20	B	825	LMG	O6-C5-C6-O5
14	B	816	CL7	C2A-CAA-CBA-CGA
14	A	839	CL7	C11-C10-C8-C9
14	B	804	CL7	C6-C7-C8-C9
14	B	811	CL7	C11-C10-C8-C9
14	B	840	CL7	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
14	F	202	CL7	C6-C7-C8-C9
14	F	202	CL7	C11-C10-C8-C9
14	L	204	CL7	C14-C13-C15-C16
14	L	207	CL7	C14-C13-C15-C16
14	B	840	CL7	C4C-C3C-CAC-CBC
14	B	824	CL7	C16-C17-C18-C19
14	A	809	CL7	CBA-CGA-O2A-C1
14	L	204	CL7	C8-C10-C11-C12
14	B	804	CL7	C15-C16-C17-C18
14	A	818	CL7	CBA-CGA-O2A-C1
14	A	836	CL7	CBA-CGA-O2A-C1
14	A	839	CL7	CBA-CGA-O2A-C1
14	B	824	CL7	CBA-CGA-O2A-C1
14	B	835	CL7	CBA-CGA-O2A-C1
17	A	847	LMT	C3-C4-C5-C6
14	B	831	CL7	O1D-CGD-O2D-CED
18	A	850	WVN	C24-C22-C26-C29
18	L	201	WVN	C24-C22-C26-C29
15	A	825	LHG	C11-C12-C13-C14
14	A	806	CL7	C4-C3-C5-C6
18	A	853	WVN	C20-C23-C25-C27
18	B	850	WVN	C30-C33-C34-C38
18	L	201	WVN	C11-C19-C22-C24
18	M	101	WVN	C20-C23-C25-C27
18	A	849	WVN	C11-C19-C22-C26
18	B	848	WVN	C20-C23-C25-C28
18	B	851	WVN	C29-C31-C32-C36
18	I	102	WVN	C20-C23-C25-C28
18	K	103	WVN	C29-C31-C32-C36
18	M	101	WVN	C29-C31-C32-C36
20	B	825	LMG	C4-C5-C6-O5
17	B	832	LMT	C11-C10-C9-C8
20	B	825	LMG	C10-C11-C12-C13
20	B	825	LMG	C14-C15-C16-C17
20	B	825	LMG	C39-C40-C41-C42
13	A	854	PHO	O2A-C1-C2-C3
15	L	208	LHG	C4-C5-O7-C7
17	A	847	LMT	C6-C7-C8-C9
14	A	828	CL7	C10-C11-C12-C13
18	L	201	WVN	C22-C26-C29-C31
14	B	833	CL7	C2-C3-C5-C6
15	A	825	LHG	C16-C17-C18-C19

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Mol	Chain	Res	Type	Atoms
15	A	825	LHG	C33-C34-C35-C36
15	A	824	LHG	O7-C5-C6-O8
15	A	825	LHG	O7-C5-C6-O8
15	A	825	LHG	C11-C10-C9-C8
15	A	825	LHG	C28-C29-C30-C31
14	A	818	CL7	O1A-CGA-O2A-C1
14	A	842	CL7	CBA-CGA-O2A-C1
14	A	839	CL7	C10-C11-C12-C13
20	B	825	LMG	C34-C35-C36-C37
12	A	801	G9R	C15-C16-C17-C18
14	B	802	CL7	C15-C16-C17-C18
18	B	850	WVN	C25-C28-C30-C33
18	F	204	WVN	C32-C36-C39-C40
18	M	101	WVN	C25-C28-C30-C33
12	A	801	G9R	C16-C17-C18-C20
14	A	817	CL7	C11-C12-C13-C15
14	B	806	CL7	C4-C3-C5-C6
14	B	818	CL7	C4-C3-C5-C6
14	B	833	CL7	C4-C3-C5-C6
14	A	813	CL7	C2-C3-C5-C6
12	A	801	G9R	CBA-CGA-O2A-C1
14	A	821	CL7	C11-C10-C8-C9
14	A	845	CL7	C6-C7-C8-C9
14	B	814	CL7	C11-C10-C8-C9
14	B	824	CL7	C14-C13-C15-C16
14	B	845	CL7	C11-C10-C8-C9
14	L	204	CL7	C11-C12-C13-C14
14	L	205	CL7	C14-C13-C15-C16
17	L	203	LMT	C5-C6-C7-C8
14	A	822	CL7	C5-C6-C7-C8
14	A	843	CL7	C13-C15-C16-C17
14	B	819	CL7	C5-C6-C7-C8
14	A	818	CL7	C10-C11-C12-C13
14	A	836	CL7	C8-C10-C11-C12
20	B	825	LMG	C2-C1-O1-C7
15	A	825	LHG	C9-C10-C11-C12
20	B	825	LMG	C32-C33-C34-C35
15	A	824	LHG	O6-C4-C5-C6
17	A	837	LMT	C4B-C5B-C6B-O6B
14	A	826	CL7	C6-C7-C8-C10
14	A	826	CL7	C11-C10-C8-C7
14	A	828	CL7	C11-C10-C8-C7

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Mol	Chain	Res	Type	Atoms
14	A	836	CL7	C11-C10-C8-C7
14	B	802	CL7	C11-C12-C13-C15
14	B	804	CL7	C6-C7-C8-C10
14	B	814	CL7	C11-C12-C13-C15
14	B	822	CL7	C11-C12-C13-C15
14	B	824	CL7	C11-C12-C13-C15
14	B	840	CL7	C6-C7-C8-C10
14	B	840	CL7	C11-C12-C13-C15
14	B	843	CL7	C6-C7-C8-C10
14	B	845	CL7	C11-C10-C8-C7
14	L	204	CL7	C11-C12-C13-C15
14	L	204	CL7	C12-C13-C15-C16
14	L	207	CL7	C12-C13-C15-C16
14	B	835	CL7	O1A-CGA-O2A-C1
14	B	805	CL7	C16-C17-C18-C19
14	B	831	CL7	C6-C7-C8-C9
13	A	802	PHO	O1D-CGD-O2D-CED
14	A	805	CL7	C3A-C2A-CAA-CBA
14	A	813	CL7	C4-C3-C5-C6
14	A	829	CL7	C3A-C2A-CAA-CBA
14	A	843	CL7	C3A-C2A-CAA-CBA
14	B	805	CL7	C4-C3-C5-C6
14	B	819	CL7	C4-C3-C5-C6
14	B	826	CL7	C4-C3-C5-C6
14	B	833	CL7	C3A-C2A-CAA-CBA
14	B	835	CL7	C3A-C2A-CAA-CBA
14	B	836	CL7	C3A-C2A-CAA-CBA
14	K	102	CL7	C3A-C2A-CAA-CBA
14	A	817	CL7	C8-C10-C11-C12
14	A	838	CL7	C2-C3-C5-C6
15	A	825	LHG	C10-C11-C12-C13
14	A	809	CL7	O1A-CGA-O2A-C1
17	A	837	LMT	C2-C3-C4-C5
18	A	849	WVN	C22-C26-C29-C31
18	A	850	WVN	C32-C36-C39-C40
18	A	851	WVN	C25-C28-C30-C33
18	B	848	WVN	C32-C36-C39-C40
18	F	205	WVN	C22-C26-C29-C31
18	L	201	WVN	C25-C28-C30-C33
14	L	207	CL7	O1D-CGD-O2D-CED
18	F	205	WVN	C20-C23-C25-C27
18	L	209	WVN	C20-C23-C25-C27

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Mol	Chain	Res	Type	Atoms
12	A	801	G9R	O1A-CGA-O2A-C1
14	A	836	CL7	O1A-CGA-O2A-C1
14	B	824	CL7	O1A-CGA-O2A-C1
15	A	825	LHG	C4-C5-C6-O8
15	L	208	LHG	C4-C5-C6-O8
14	A	817	CL7	C11-C12-C13-C14
14	B	845	CL7	CBD-CGD-O2D-CED
14	F	202	CL7	C5-C6-C7-C8
14	A	838	CL7	C4-C3-C5-C6
14	B	819	CL7	C2-C3-C5-C6
14	B	822	CL7	C15-C16-C17-C18
14	B	845	CL7	C11-C12-C13-C15
15	A	824	LHG	O6-C4-C5-O7
14	A	839	CL7	O1A-CGA-O2A-C1
18	A	850	WVN	C06-C13-C20-C23
18	F	204	WVN	C15-C13-C20-C23
14	B	812	CL7	CBD-CGD-O2D-CED
15	L	208	LHG	C5-C4-O6-P
14	A	819	CL7	C15-C16-C17-C18
14	A	845	CL7	C11-C12-C13-C14
14	A	809	CL7	C2A-CAA-CBA-CGA
14	A	813	CL7	C15-C16-C17-C18
14	A	829	CL7	C15-C16-C17-C18
17	A	837	LMT	C5-C6-C7-C8
17	L	206	LMT	C6-C7-C8-C9
18	L	201	WVN	C28-C30-C33-C34
14	B	826	CL7	C2-C3-C5-C6
15	A	825	LHG	C30-C31-C32-C33
14	A	815	CL7	C11-C10-C8-C9
14	B	814	CL7	C11-C12-C13-C14
14	A	838	CL7	C6-C7-C8-C10
14	B	824	CL7	C16-C17-C18-C20
17	B	841	LMT	C4-C5-C6-C7
14	A	808	CL7	CAA-CBA-CGA-O2A
14	A	839	CL7	C2A-CAA-CBA-CGA
14	B	814	CL7	C13-C15-C16-C17
14	A	827	CL7	C8-C10-C11-C12
15	A	825	LHG	O1-C1-C2-O2
18	B	851	WVN	C32-C36-C39-C40
14	B	806	CL7	C2-C3-C5-C6
14	B	840	CL7	C10-C11-C12-C13
15	L	208	LHG	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
18	A	853	WVN	C35-C32-C36-C39
18	B	848	WVN	C27-C25-C28-C30
18	L	209	WVN	C27-C25-C28-C30
14	B	840	CL7	C8-C10-C11-C12
17	L	203	LMT	C9-C10-C11-C12
12	A	801	G9R	C16-C17-C18-C19
14	A	829	CL7	C13-C15-C16-C17
18	A	852	WVN	C11-C19-C22-C24
18	M	101	WVN	C30-C33-C34-C38
14	A	806	CL7	C11-C10-C8-C7
14	A	815	CL7	C11-C10-C8-C7
14	A	823	CL7	C6-C7-C8-C10
14	A	826	CL7	C12-C13-C15-C16
14	A	844	CL7	C6-C7-C8-C10
14	B	802	CL7	C11-C10-C8-C7
14	B	804	CL7	C12-C13-C15-C16
14	B	824	CL7	C6-C7-C8-C10
14	B	843	CL7	C11-C12-C13-C15
14	F	202	CL7	C11-C10-C8-C7
14	L	205	CL7	C11-C12-C13-C15
16	A	830	PQN	C17-C18-C20-C21
16	B	820	PQN	C16-C17-C18-C20
17	B	832	LMT	C2B-C1B-O1B-C4'
18	B	850	WVN	C29-C31-C32-C36
14	A	816	CL7	C2A-CAA-CBA-CGA
14	B	828	CL7	C2A-CAA-CBA-CGA
14	B	831	CL7	C2A-CAA-CBA-CGA
14	A	803	CL7	CBD-CGD-O2D-CED
14	A	817	CL7	CBD-CGD-O2D-CED
14	B	827	CL7	CBD-CGD-O2D-CED
14	B	805	CL7	C2-C3-C5-C6
14	B	845	CL7	O1D-CGD-O2D-CED
15	A	825	LHG	O6-C4-C5-O7
15	L	208	LHG	O6-C4-C5-O7
14	B	845	CL7	C11-C12-C13-C14
14	A	817	CL7	C3-C5-C6-C7
14	A	821	CL7	O1D-CGD-O2D-CED
14	A	822	CL7	C6-C7-C8-C9
14	A	823	CL7	C6-C7-C8-C9
14	A	826	CL7	C6-C7-C8-C9
14	B	806	CL7	C11-C10-C8-C9
14	L	205	CL7	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
18	L	202	WVN	C02-C11-C19-C22
18	L	209	WVN	C02-C11-C19-C22
14	A	845	CL7	C2-C1-O2A-CGA
14	B	802	CL7	C2-C1-O2A-CGA
18	B	850	WVN	C22-C26-C29-C31
17	L	203	LMT	C11-C10-C9-C8
14	A	841	CL7	C4-C3-C5-C6
14	B	811	CL7	C16-C17-C18-C19
18	B	851	WVN	C28-C30-C33-C34
14	A	803	CL7	C1A-C2A-CAA-CBA
14	A	805	CL7	C1A-C2A-CAA-CBA
14	A	813	CL7	C1A-C2A-CAA-CBA
14	A	843	CL7	C1A-C2A-CAA-CBA
14	B	821	CL7	C1A-C2A-CAA-CBA
14	B	835	CL7	C1A-C2A-CAA-CBA
14	B	827	CL7	O1D-CGD-O2D-CED
14	B	811	CL7	C4-C3-C5-C6
14	A	817	CL7	O1D-CGD-O2D-CED
14	A	803	CL7	C4B-C3B-CAB-OBB
14	A	815	CL7	C11-C12-C13-C15
14	A	822	CL7	C12-C13-C15-C16
14	A	834	CL7	C11-C10-C8-C7
14	B	813	CL7	C6-C7-C8-C10
14	A	839	CL7	C11-C12-C13-C15
14	B	811	CL7	C16-C17-C18-C20
14	B	812	CL7	O1D-CGD-O2D-CED
15	L	208	LHG	C2-C3-O3-P
17	A	847	LMT	C2-C3-C4-C5
18	A	850	WVN	C36-C39-C40-C37
18	F	205	WVN	C36-C39-C40-C37
14	B	827	CL7	C2A-CAA-CBA-CGA
14	A	806	CL7	C11-C10-C8-C9
14	A	822	CL7	C14-C13-C15-C16
14	A	826	CL7	C14-C13-C15-C16
14	A	844	CL7	C6-C7-C8-C9
14	B	802	CL7	C11-C10-C8-C9
14	B	822	CL7	C11-C12-C13-C14
14	B	824	CL7	C6-C7-C8-C9
14	B	843	CL7	C11-C12-C13-C14
14	L	205	CL7	C11-C12-C13-C14
14	L	207	CL7	C11-C12-C13-C14
16	A	830	PQN	C19-C18-C20-C21

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Mol	Chain	Res	Type	Atoms
14	A	807	CL7	C13-C15-C16-C17
14	A	843	CL7	C5-C6-C7-C8
15	A	824	LHG	C4-C5-C6-O8
13	A	802	PHO	C4-C3-C5-C6
12	A	801	G9R	C2B-C3B-CAB-OBB
14	A	812	CL7	C2B-C3B-CAB-OBB
14	A	821	CL7	C2B-C3B-CAB-OBB
14	A	827	CL7	C2B-C3B-CAB-OBB
14	A	832	CL7	C2B-C3B-CAB-OBB
14	A	834	CL7	C2B-C3B-CAB-OBB
14	A	835	CL7	C2B-C3B-CAB-OBB
14	A	842	CL7	CAD-CBD-CGD-O2D
14	A	842	CL7	C2B-C3B-CAB-OBB
14	A	855	CL7	C2B-C3B-CAB-OBB
14	B	802	CL7	CAD-CBD-CGD-O2D
14	B	803	CL7	C2B-C3B-CAB-OBB
14	B	806	CL7	C2B-C3B-CAB-OBB
14	B	811	CL7	C2B-C3B-CAB-OBB
14	B	813	CL7	C2B-C3B-CAB-OBB
14	B	839	CL7	C2B-C3B-CAB-OBB
14	B	843	CL7	C2B-C3B-CAB-OBB
14	B	845	CL7	C2B-C3B-CAB-OBB
17	B	841	LMT	C2-C3-C4-C5
17	L	203	LMT	C2-C3-C4-C5
14	B	822	CL7	C2A-CAA-CBA-CGA
15	A	825	LHG	C26-C27-C28-C29
13	A	802	PHO	CHA-CBD-CGD-O1D
13	A	802	PHO	CHA-CBD-CGD-O2D
13	A	854	PHO	CHA-CBD-CGD-O2D
14	A	834	CL7	CAD-CBD-CGD-O1D
14	A	842	CL7	CAD-CBD-CGD-O1D
14	B	802	CL7	CAD-CBD-CGD-O1D
14	B	822	CL7	CHA-CBD-CGD-O1D
14	I	101	CL7	CAD-CBD-CGD-O1D
15	A	825	LHG	C3-O3-P-O5
15	L	208	LHG	C3-O3-P-O4
15	L	208	LHG	C3-O3-P-O5
15	L	208	LHG	C3-O3-P-O6
18	F	205	WVN	C32-C36-C39-C40
14	F	202	CL7	C3-C5-C6-C7
14	A	841	CL7	C2-C3-C5-C6
14	B	818	CL7	C2-C3-C5-C6

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Mol	Chain	Res	Type	Atoms
15	A	824	LHG	C2-C3-O3-P
14	A	819	CL7	C16-C17-C18-C19
15	A	824	LHG	C4-C5-O7-C7
18	A	849	WVN	C28-C30-C33-C34
18	A	851	WVN	C28-C30-C33-C34
18	A	852	WVN	C28-C30-C33-C34
18	A	853	WVN	C28-C30-C33-C34
18	B	848	WVN	C28-C30-C33-C34
18	B	850	WVN	C28-C30-C33-C34
18	I	102	WVN	C28-C30-C33-C34
18	K	103	WVN	C28-C30-C33-C34
18	L	209	WVN	C28-C30-C33-C34
18	M	101	WVN	C28-C30-C33-C34
14	B	843	CL7	C8-C10-C11-C12
14	A	806	CL7	C2-C3-C5-C6
14	A	839	CL7	C11-C12-C13-C14
14	B	811	CL7	C8-C10-C11-C12
14	A	836	CL7	C11-C10-C8-C9
14	B	843	CL7	C6-C7-C8-C9
13	A	854	PHO	C12-C13-C15-C16
14	B	819	CL7	C11-C10-C8-C7
18	M	101	WVN	C19-C22-C26-C29
14	A	823	CL7	C4-C3-C5-C6
14	A	840	CL7	C4-C3-C5-C6
14	A	823	CL7	C2-C3-C5-C6
14	A	823	CL7	O1A-CGA-O2A-C1
14	A	846	CL7	C2-C1-O2A-CGA
14	L	207	CL7	C2-C1-O2A-CGA
12	A	801	G9R	CAA-CBA-CGA-O2A
14	A	839	CL7	CAA-CBA-CGA-O2A
20	B	825	LMG	C11-C12-C13-C14
15	L	208	LHG	C17-C18-C19-C20
14	A	807	CL7	C16-C17-C18-C20
18	A	849	WVN	C20-C23-C25-C28
15	A	824	LHG	O8-C23-C24-C25
14	A	803	CL7	O1D-CGD-O2D-CED
13	A	802	PHO	C2-C3-C5-C6
17	A	847	LMT	C2-C1-O1'-C1'
14	A	834	CL7	C11-C10-C8-C9
14	B	813	CL7	C6-C7-C8-C9
14	F	202	CL7	C11-C12-C13-C14
13	A	802	PHO	C15-C16-C17-C18

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Mol	Chain	Res	Type	Atoms
14	A	819	CL7	C5-C6-C7-C8
14	B	817	CL7	CAA-CBA-CGA-O2A
17	A	837	LMT	O5B-C1B-O1B-C4'
14	B	805	CL7	C6-C7-C8-C10
14	A	822	CL7	C10-C11-C12-C13
14	A	804	CL7	C3A-C2A-CAA-CBA
14	A	819	CL7	C4-C3-C5-C6
14	A	836	CL7	C3A-C2A-CAA-CBA
14	F	203	CL7	C3A-C2A-CAA-CBA
14	B	811	CL7	C2-C3-C5-C6
18	A	853	WVN	C24-C22-C26-C29
18	I	102	WVN	C24-C22-C26-C29
18	L	201	WVN	C35-C32-C36-C39
18	M	101	WVN	C24-C22-C26-C29
16	A	830	PQN	C15-C16-C17-C18
20	B	825	LMG	C29-C30-C31-C32
14	B	813	CL7	C11-C10-C8-C9
14	A	803	CL7	C2-C1-O2A-CGA
14	A	817	CL7	C2-C1-O2A-CGA
18	F	204	WVN	C34-C37-C40-C39
16	A	830	PQN	C25-C26-C27-C28
17	B	841	LMT	C7-C8-C9-C10
14	A	828	CL7	C14-C13-C15-C16
14	B	805	CL7	C6-C7-C8-C9
14	B	814	CL7	C14-C13-C15-C16
16	B	820	PQN	C19-C18-C20-C21
14	F	202	CL7	C2C-C3C-CAC-CBC
17	A	837	LMT	C3-C4-C5-C6
14	A	840	CL7	C2-C3-C5-C6
14	A	848	CL7	CAA-CBA-CGA-O1A
14	B	830	CL7	C1A-C2A-CAA-CBA
18	A	849	WVN	C19-C22-C26-C29
18	B	851	WVN	C19-C22-C26-C29
18	F	205	WVN	C31-C32-C36-C39
14	B	827	CL7	CAA-CBA-CGA-O1A
14	B	837	CL7	CAA-CBA-CGA-O2A
14	A	819	CL7	CBA-CGA-O2A-C1
14	A	815	CL7	C4-C3-C5-C6
14	B	845	CL7	C4-C3-C5-C6
15	L	208	LHG	C19-C20-C21-C22
15	L	208	LHG	O6-C4-C5-C6
14	B	827	CL7	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
15	A	824	LHG	C32-C33-C34-C35
14	A	818	CL7	C11-C12-C13-C15
14	A	821	CL7	C12-C13-C15-C16
14	A	842	CL7	C11-C12-C13-C15
14	F	202	CL7	C11-C12-C13-C15
14	A	841	CL7	C2A-CAA-CBA-CGA
14	A	848	CL7	CAA-CBA-CGA-O2A
14	B	842	CL7	CAA-CBA-CGA-O2A
14	B	813	CL7	C11-C10-C8-C7
14	B	837	CL7	CAA-CBA-CGA-O1A
14	F	203	CL7	CAA-CBA-CGA-O2A
14	A	834	CL7	CAA-CBA-CGA-O2A
14	A	823	CL7	C2-C1-O2A-CGA
14	B	842	CL7	CAA-CBA-CGA-O1A
14	A	819	CL7	O1A-CGA-O2A-C1
17	B	841	LMT	C1-C2-C3-C4
14	A	831	CL7	CAA-CBA-CGA-O2A
14	A	826	CL7	C2C-C3C-CAC-CBC
14	B	836	CL7	CAA-CBA-CGA-O2A
14	F	203	CL7	CAA-CBA-CGA-O1A
14	A	823	CL7	CAA-CBA-CGA-O2A
14	B	839	CL7	CAA-CBA-CGA-O2A
13	A	854	PHO	O1A-CGA-O2A-C1
14	A	805	CL7	CAA-CBA-CGA-O2A
14	L	207	CL7	C13-C15-C16-C17
13	A	854	PHO	CHA-CBD-CGD-O1D
18	A	850	WVN	C35-C32-C36-C39
18	B	851	WVN	C24-C22-C26-C29
14	A	829	CL7	CAA-CBA-CGA-O2A
14	A	835	CL7	CAA-CBA-CGA-O2A
14	A	829	CL7	C16-C17-C18-C20
14	A	807	CL7	C4-C3-C5-C6
17	L	206	LMT	O5'-C1'-O1'-C1
14	A	805	CL7	CAA-CBA-CGA-O1A
14	B	818	CL7	C14-C13-C15-C16
13	A	854	PHO	C2A-CAA-CBA-CGA
14	A	806	CL7	C2A-CAA-CBA-CGA
14	B	838	CL7	C2A-CAA-CBA-CGA
12	A	801	G9R	C2-C1-O2A-CGA
14	B	821	CL7	C2-C1-O2A-CGA
14	B	844	CL7	C2-C1-O2A-CGA
14	A	819	CL7	C3A-C2A-CAA-CBA

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Mol	Chain	Res	Type	Atoms
14	A	831	CL7	C3A-C2A-CAA-CBA
14	B	815	CL7	C3A-C2A-CAA-CBA
14	K	102	CL7	CAA-CBA-CGA-O2A
14	A	821	CL7	C8-C10-C11-C12
14	B	839	CL7	CAA-CBA-CGA-O1A
18	A	850	WVN	C26-C29-C31-C32
14	A	831	CL7	CAA-CBA-CGA-O1A
14	A	819	CL7	C2-C3-C5-C6
14	A	806	CL7	C15-C16-C17-C18
18	A	850	WVN	C19-C22-C26-C29
18	F	205	WVN	C19-C22-C26-C29
18	I	102	WVN	C19-C22-C26-C29
18	L	202	WVN	C19-C22-C26-C29
14	B	836	CL7	CAA-CBA-CGA-O1A
15	A	824	LHG	C24-C25-C26-C27
14	K	102	CL7	CAA-CBA-CGA-O1A
14	A	839	CL7	C5-C6-C7-C8
14	A	835	CL7	CAA-CBA-CGA-O1A
14	B	806	CL7	C5-C6-C7-C8
20	B	825	LMG	O1-C7-C8-O7
14	A	813	CL7	C11-C10-C8-C9
14	A	844	CL7	C11-C10-C8-C9
20	B	825	LMG	O8-C28-C29-C30
14	A	808	CL7	CAA-CBA-CGA-O1A
14	A	826	CL7	C4C-C3C-CAC-CBC
14	B	845	CL7	C2-C3-C5-C6
14	A	836	CL7	C6-C7-C8-C10
14	L	204	CL7	C11-C10-C8-C7
16	A	830	PQN	C22-C23-C25-C26
16	B	820	PQN	C17-C18-C20-C21
16	B	820	PQN	C25-C26-C27-C28
18	A	850	WVN	C15-C13-C20-C23
18	B	851	WVN	C06-C13-C20-C23
14	A	821	CL7	C2-C1-O2A-CGA
14	A	827	CL7	C2-C1-O2A-CGA
14	A	818	CL7	C4-C3-C5-C6
13	A	854	PHO	CAA-CBA-CGA-O2A
14	A	818	CL7	C2-C3-C5-C6
15	A	824	LHG	C28-C29-C30-C31
14	B	815	CL7	C2A-CAA-CBA-CGA
14	A	827	CL7	C13-C15-C16-C17
14	B	838	CL7	CAA-CBA-CGA-O2A

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Mol	Chain	Res	Type	Atoms
14	A	840	CL7	CAA-CBA-CGA-O2A
14	A	842	CL7	CAA-CBA-CGA-O2A
15	A	824	LHG	C33-C34-C35-C36
14	B	835	CL7	CAA-CBA-CGA-O2A
14	B	804	CL7	C4-C3-C5-C6
17	B	841	LMT	C4B-C5B-C6B-O6B
14	A	815	CL7	CAA-CBA-CGA-O2A
14	A	818	CL7	C11-C12-C13-C14
14	A	806	CL7	C10-C11-C12-C13
14	B	827	CL7	C4C-C3C-CAC-CBC
14	A	821	CL7	CAA-CBA-CGA-O2A
14	A	815	CL7	C2-C3-C5-C6
18	K	103	WVN	C30-C33-C34-C37
17	A	837	LMT	C2B-C1B-O1B-C4'
14	B	821	CL7	O1A-CGA-O2A-C1
13	A	802	PHO	C16-C17-C18-C19
14	A	821	CL7	C16-C17-C18-C20
14	A	838	CL7	CAA-CBA-CGA-O2A
12	A	801	G9R	C4B-C3B-CAB-OBB
14	A	817	CL7	C4B-C3B-CAB-OBB
14	A	843	CL7	C4B-C3B-CAB-OBB
14	A	855	CL7	C4B-C3B-CAB-OBB
14	B	806	CL7	C4B-C3B-CAB-OBB
14	B	811	CL7	C4B-C3B-CAB-OBB
14	B	808	CL7	C10-C11-C12-C13
14	A	807	CL7	C2-C1-O2A-CGA
14	A	819	CL7	CAA-CBA-CGA-O2A
14	A	806	CL7	C11-C12-C13-C15
14	A	817	CL7	C11-C10-C8-C7
14	B	840	CL7	C11-C10-C8-C7
14	A	823	CL7	CBA-CGA-O2A-C1
13	A	802	PHO	C8-C10-C11-C12
14	B	811	CL7	C2A-CAA-CBA-CGA
14	B	838	CL7	CAA-CBA-CGA-O1A
14	A	826	CL7	C3A-C2A-CAA-CBA
14	F	202	CL7	C4-C3-C5-C6
14	A	832	CL7	CAA-CBA-CGA-O2A
20	B	825	LMG	C42-C43-C44-C45
14	B	822	CL7	CAA-CBA-CGA-O2A
15	A	825	LHG	C35-C36-C37-C38
13	A	802	PHO	CBA-CGA-O2A-C1
13	A	854	PHO	C11-C12-C13-C14

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Mol	Chain	Res	Type	Atoms
14	A	836	CL7	C6-C7-C8-C9
14	A	842	CL7	C11-C12-C13-C14
14	B	811	CL7	C6-C7-C8-C9
17	B	841	LMT	C3-C4-C5-C6
17	B	841	LMT	C6-C7-C8-C9
15	A	824	LHG	C29-C30-C31-C32
18	A	850	WVN	C01-C02-C11-C19
18	B	848	WVN	C01-C02-C11-C19
14	B	834	CL7	CAA-CBA-CGA-O2A
13	A	854	PHO	CAA-CBA-CGA-O1A
14	A	821	CL7	CAA-CBA-CGA-O1A
14	B	835	CL7	CAA-CBA-CGA-O1A
14	B	804	CL7	CAA-CBA-CGA-O2A
20	B	825	LMG	O10-C28-C29-C30
14	A	844	CL7	C5-C6-C7-C8
14	A	842	CL7	CAA-CBA-CGA-O1A
14	B	803	CL7	C5-C6-C7-C8
14	A	840	CL7	CAA-CBA-CGA-O1A
12	A	801	G9R	CAD-CBD-CGD-O2D
14	A	805	CL7	CAD-CBD-CGD-O2D
14	A	819	CL7	CAD-CBD-CGD-O2D
14	A	841	CL7	CAD-CBD-CGD-O2D
14	A	843	CL7	C2B-C3B-CAB-OBB
14	B	833	CL7	CAD-CBD-CGD-O2D
14	B	842	CL7	CAD-CBD-CGD-O2D
14	I	101	CL7	CAD-CBD-CGD-O2D
14	B	829	CL7	C2-C1-O2A-CGA
13	A	802	PHO	C1-C2-C3-C4
14	A	838	CL7	CAA-CBA-CGA-O1A
14	B	818	CL7	CAA-CBA-CGA-O2A
14	B	830	CL7	CAA-CBA-CGA-O2A
15	A	825	LHG	O7-C7-C8-C9
14	B	827	CL7	C2C-C3C-CAC-CBC
14	A	819	CL7	CAA-CBA-CGA-O1A
14	A	832	CL7	CAA-CBA-CGA-O1A
15	A	825	LHG	C15-C16-C17-C18
14	A	826	CL7	CAA-CBA-CGA-O2A
14	A	827	CL7	CAA-CBA-CGA-O2A
13	A	854	PHO	CBA-CGA-O2A-C1
14	A	826	CL7	C10-C11-C12-C13

All (24) ring outliers are listed below:

Mol	Chain	Res	Type	Atoms
18	L	209	WVN	C06-C10-C12-C13-C14-C15
18	L	202	WVN	C06-C10-C12-C13-C14-C15
18	L	201	WVN	C01-C02-C03-C04-C05-C09
18	A	851	WVN	C06-C10-C12-C13-C14-C15
18	B	848	WVN	C01-C02-C03-C04-C05-C09
18	F	204	WVN	C01-C02-C03-C04-C05-C09
18	L	202	WVN	C01-C02-C03-C04-C05-C09
18	I	102	WVN	C01-C02-C03-C04-C05-C09
18	A	851	WVN	C01-C02-C03-C04-C05-C09
18	B	851	WVN	C01-C02-C03-C04-C05-C09
18	L	209	WVN	C01-C02-C03-C04-C05-C09
18	A	849	WVN	C01-C02-C03-C04-C05-C09
18	K	103	WVN	C01-C02-C03-C04-C05-C09
18	A	852	WVN	C01-C02-C03-C04-C05-C09
18	L	201	WVN	C06-C10-C12-C13-C14-C15
18	A	853	WVN	C01-C02-C03-C04-C05-C09
18	A	850	WVN	C01-C02-C03-C04-C05-C09
18	M	101	WVN	C06-C10-C12-C13-C14-C15
18	B	850	WVN	C01-C02-C03-C04-C05-C09
18	M	101	WVN	C01-C02-C03-C04-C05-C09
18	B	850	WVN	C06-C10-C12-C13-C14-C15
18	F	205	WVN	C01-C02-C03-C04-C05-C09
18	A	850	WVN	C06-C10-C12-C13-C14-C15
18	F	205	WVN	C06-C10-C12-C13-C14-C15

89 monomers are involved in 203 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
18	B	849	WVN	1	0
13	A	854	PHO	6	0
14	A	804	CL7	1	0
14	A	823	CL7	2	0
14	B	826	CL7	1	0
18	B	851	WVN	1	0
14	B	813	CL7	2	0
14	A	832	CL7	3	0
14	B	845	CL7	4	0
14	B	833	CL7	3	0
18	A	849	WVN	1	0
14	B	806	CL7	3	0
14	A	836	CL7	2	0
14	A	828	CL7	4	0
15	L	208	LHG	2	0
18	A	852	WVN	1	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
14	B	837	CL7	1	0
14	A	845	CL7	4	0
18	L	209	WVN	1	0
18	B	848	WVN	1	0
14	A	807	CL7	1	0
14	A	806	CL7	1	0
14	B	808	CL7	2	0
14	B	828	CL7	3	0
14	B	803	CL7	3	0
14	B	827	CL7	1	0
14	B	836	CL7	10	0
14	B	844	CL7	2	0
14	B	812	CL7	3	0
14	B	814	CL7	3	0
14	B	829	CL7	3	0
14	A	826	CL7	6	0
14	A	803	CL7	3	0
14	A	819	CL7	3	0
14	A	814	CL7	2	0
16	A	830	PQN	3	0
14	B	840	CL7	20	0
14	A	855	CL7	2	0
14	A	829	CL7	7	0
14	A	820	CL7	2	0
14	A	834	CL7	2	0
17	B	832	LMT	1	0
14	L	204	CL7	1	0
14	B	804	CL7	2	0
17	L	206	LMT	3	0
14	A	810	CL7	2	0
14	B	805	CL7	1	0
15	A	825	LHG	2	0
14	A	840	CL7	2	0
14	L	205	CL7	3	0
14	B	817	CL7	1	0
20	B	825	LMG	6	0
14	A	838	CL7	2	0
14	B	830	CL7	3	0
14	B	815	CL7	1	0
14	A	833	CL7	1	0
14	B	819	CL7	1	0
18	A	850	WVN	1	0

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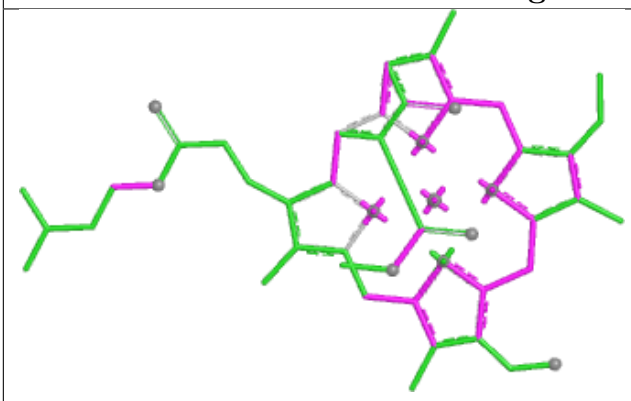
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Mol	Chain	Res	Type	Clashes	Symm-Clashes
17	A	837	LMT	4	0
14	I	101	CL7	1	0
14	A	817	CL7	4	0
13	A	802	PHO	6	0
14	A	815	CL7	4	0
14	A	808	CL7	3	0
14	B	821	CL7	3	0
14	B	822	CL7	2	0
14	A	848	CL7	1	0
14	B	818	CL7	3	0
14	A	842	CL7	2	0
14	B	824	CL7	2	0
14	A	846	CL7	1	0
14	A	843	CL7	1	0
14	A	821	CL7	6	0
14	A	822	CL7	4	0
18	A	853	WVN	1	0
14	A	841	CL7	1	0
14	B	823	CL7	9	0
14	A	844	CL7	3	0
14	A	813	CL7	1	0
14	B	831	CL7	3	0
14	B	802	CL7	2	0
14	A	827	CL7	4	0
14	B	816	CL7	3	0
17	A	847	LMT	1	0
14	A	818	CL7	3	0
14	F	202	CL7	8	0
14	B	838	CL7	2	0
14	B	811	CL7	1	0
14	L	207	CL7	3	0

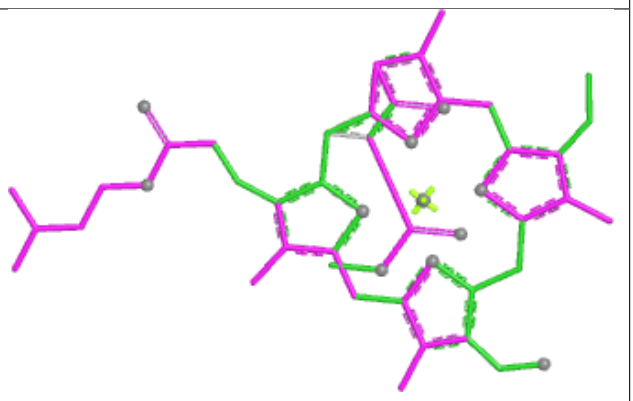
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. 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.

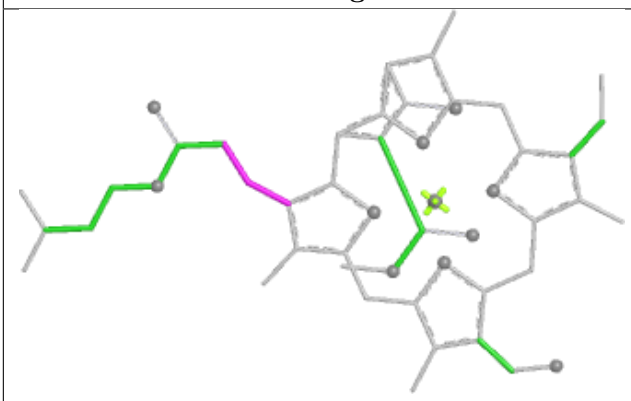
Ligand CL7 A 816



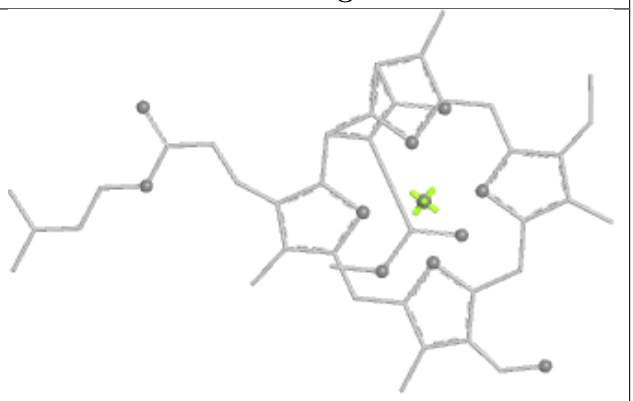
Bond lengths



Bond angles

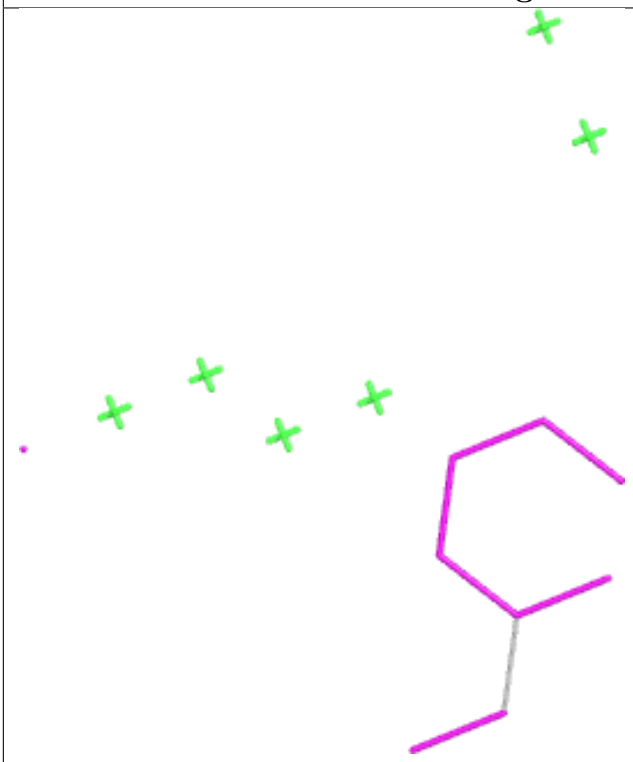


Torsions

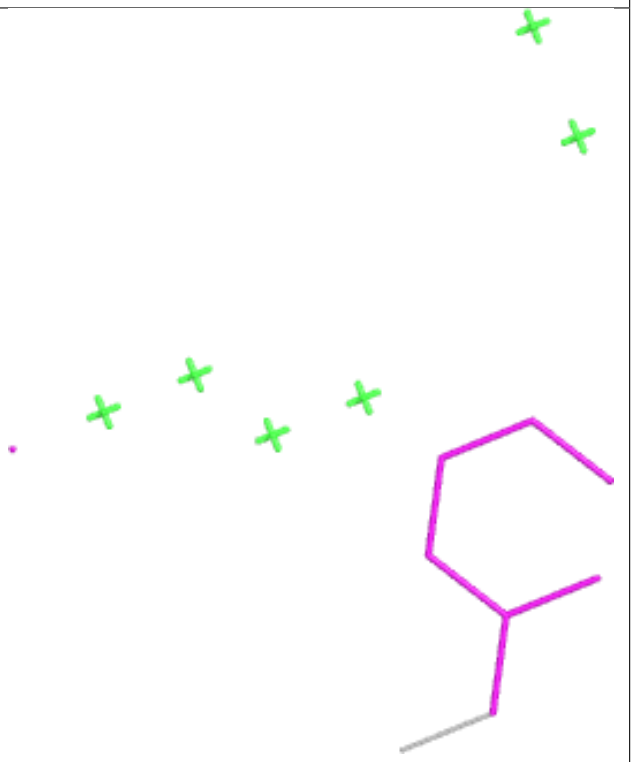


Rings

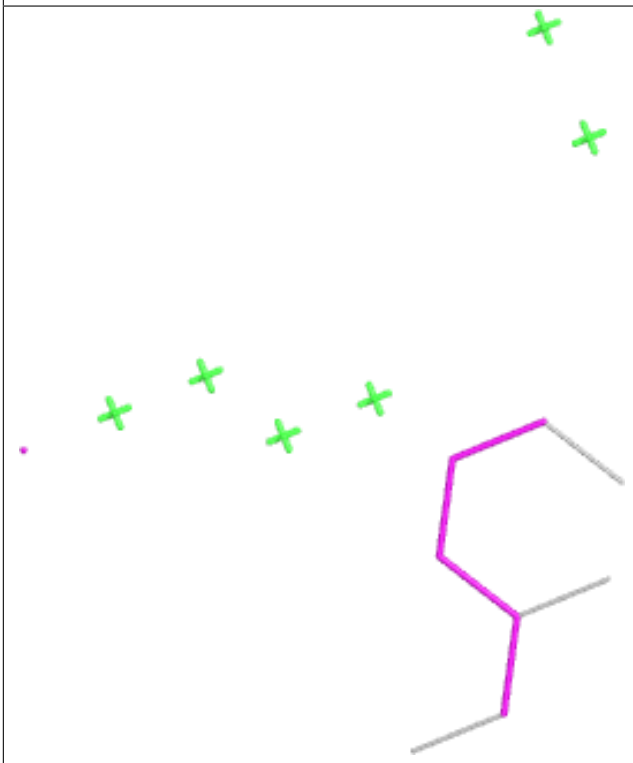
Ligand WVN B 849



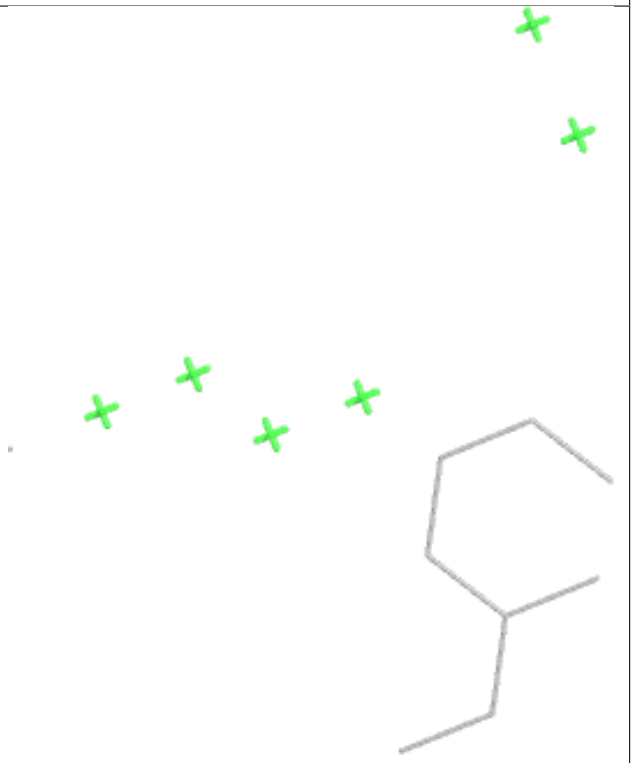
Bond lengths



Bond angles

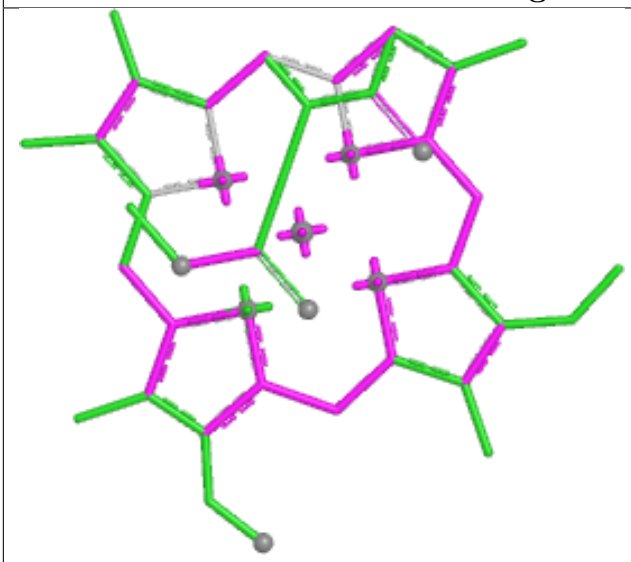


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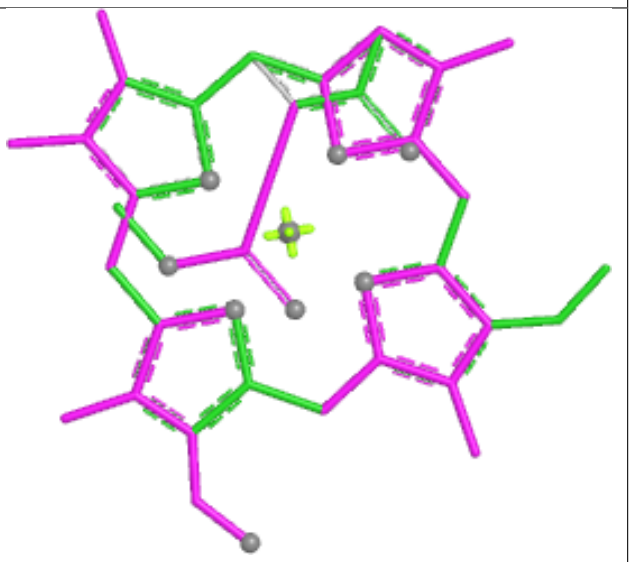


Rings

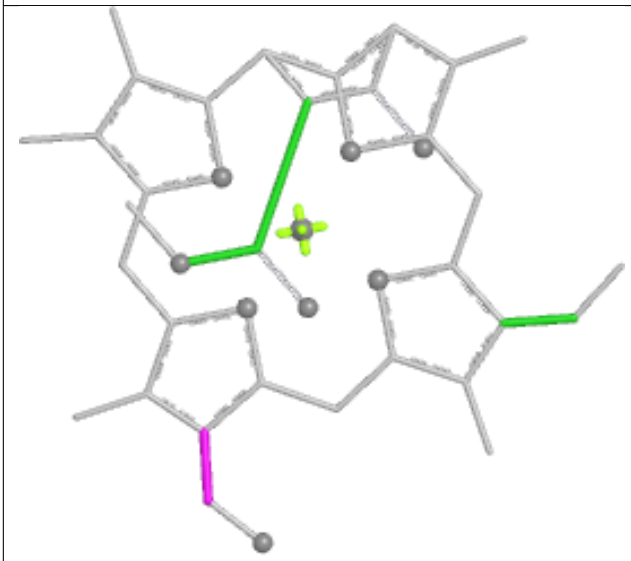
Ligand CL7 B 810



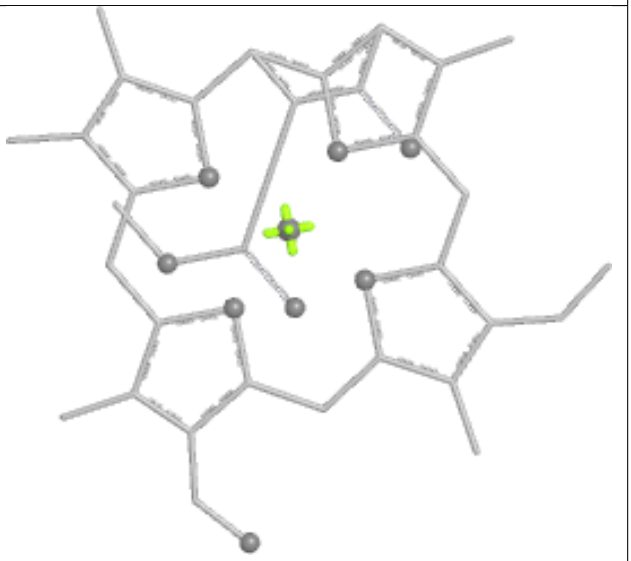
Bond lengths



Bond angles

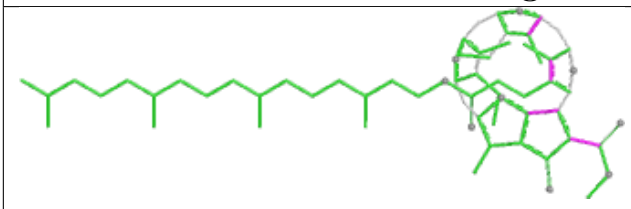


Torsions

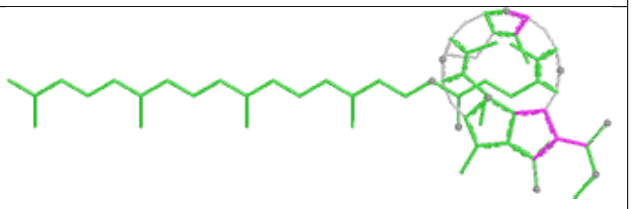


Rings

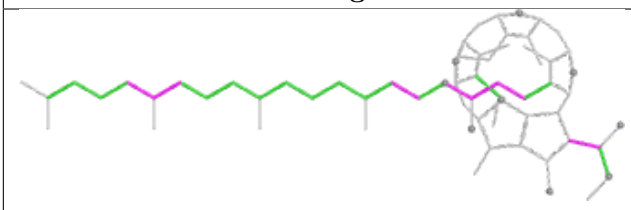
Ligand PHO A 854



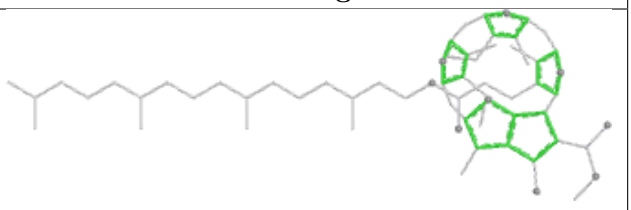
Bond lengths



Bond angles

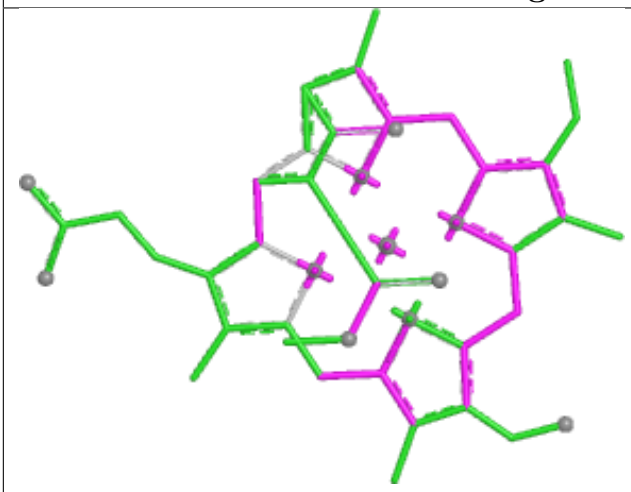


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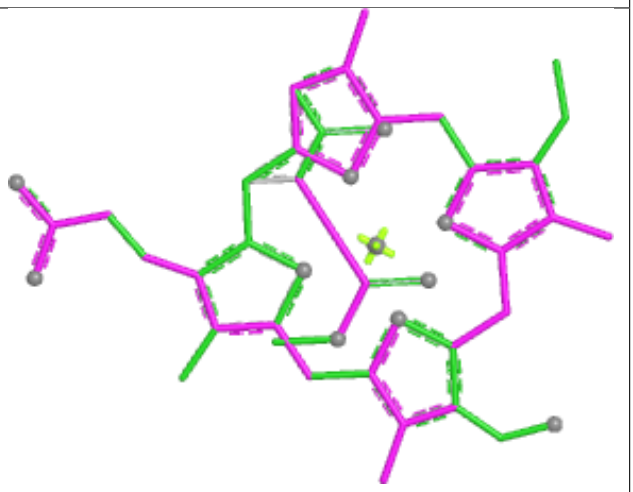


Rings

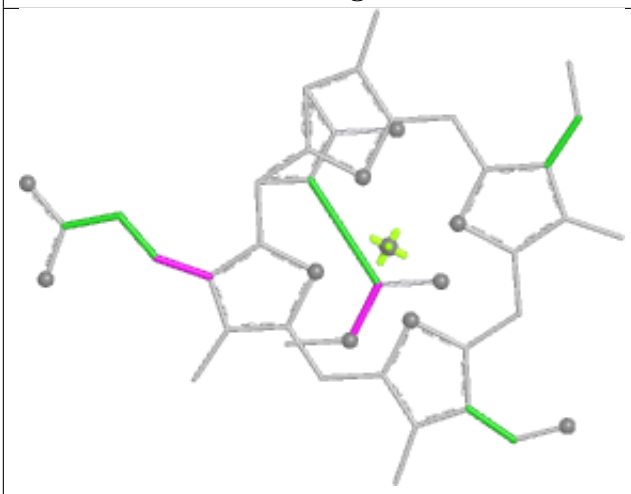
Ligand CL7 A 804



Bond lengths



Bond angles

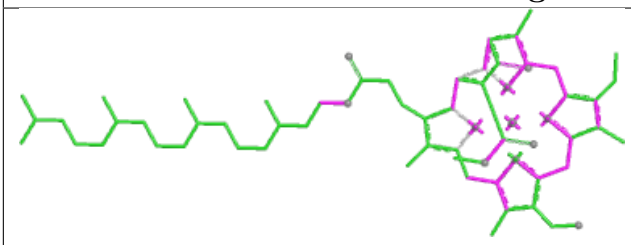


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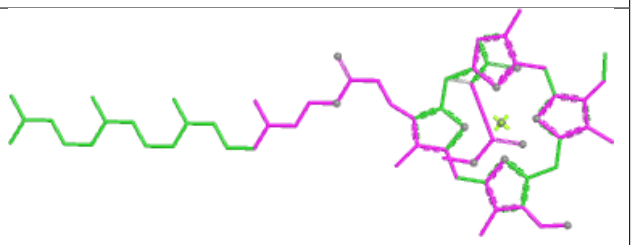


Rings

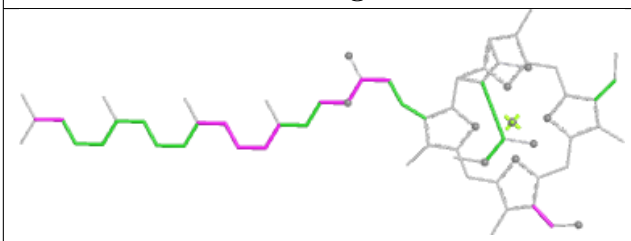
Ligand CL7 A 823



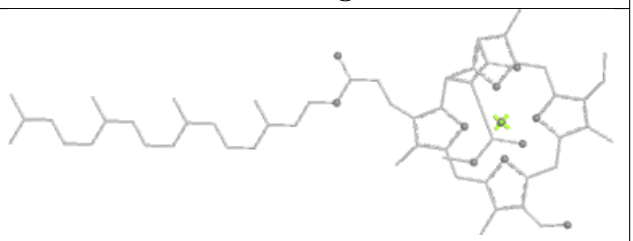
Bond lengths



Bond angles

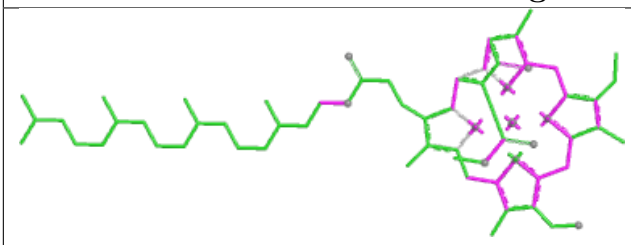


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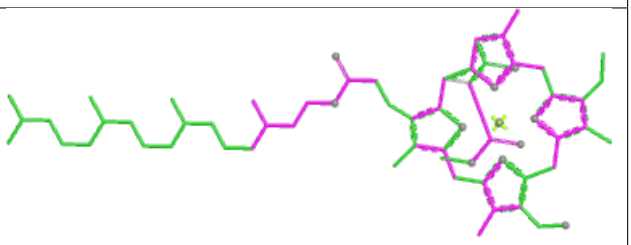


Rings

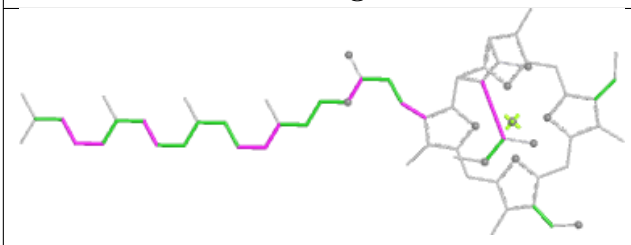
Ligand CL7 B 826



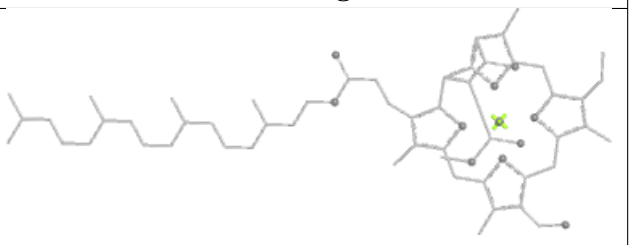
Bond lengths



Bond angles

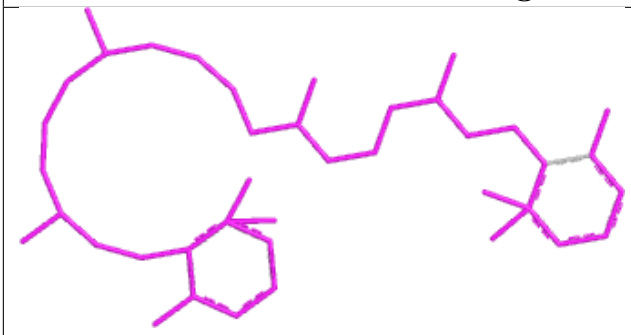


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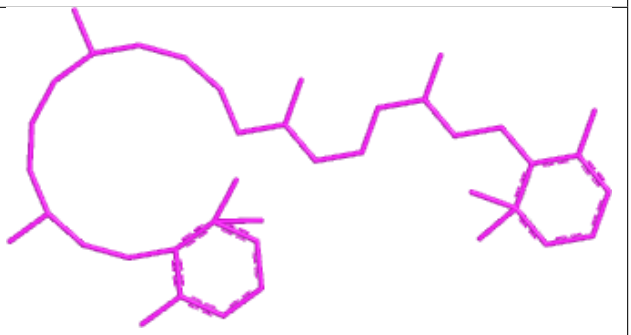


Rings

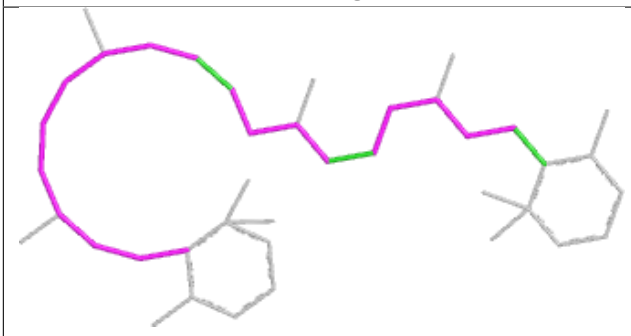
Ligand WVN B 851



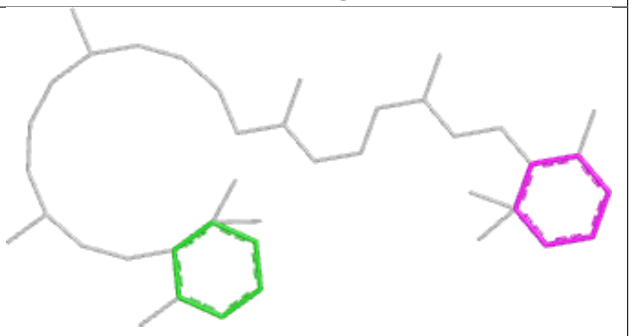
Bond lengths



Bond angles

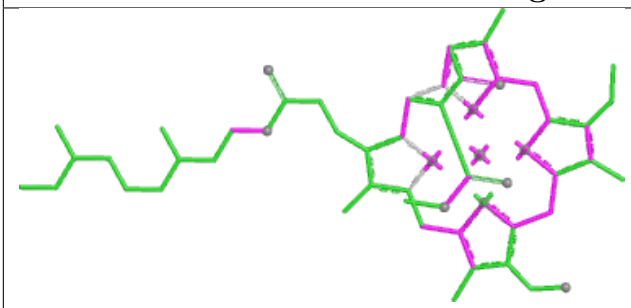


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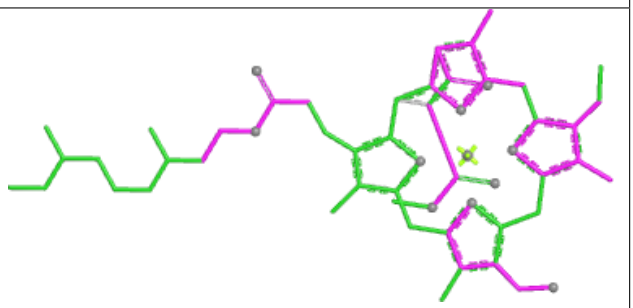


Rings

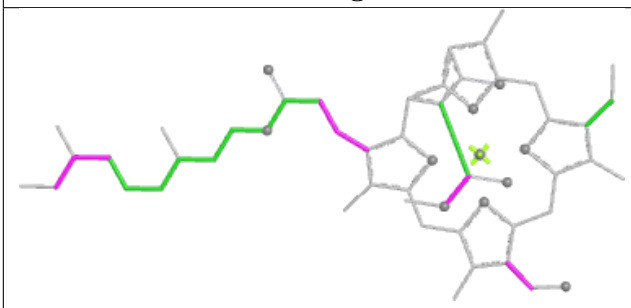
Ligand CL7 B 813



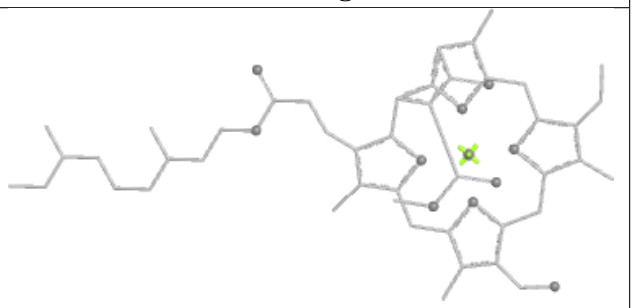
Bond lengths



Bond angles

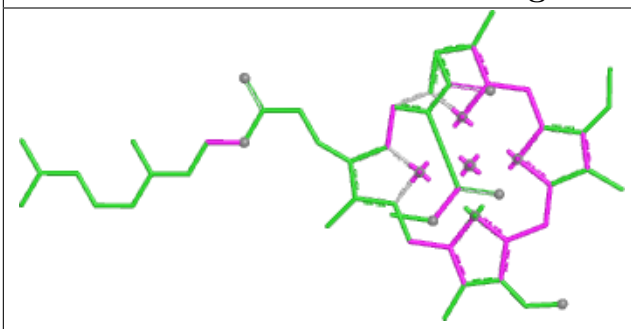


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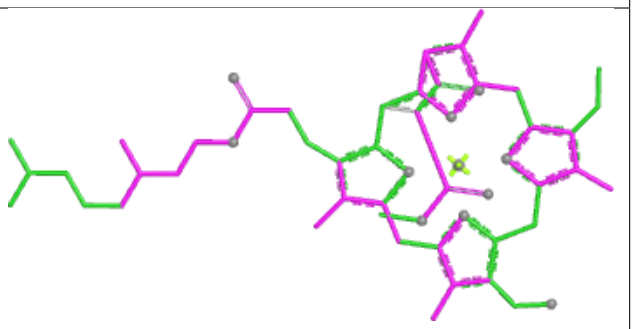


Rings

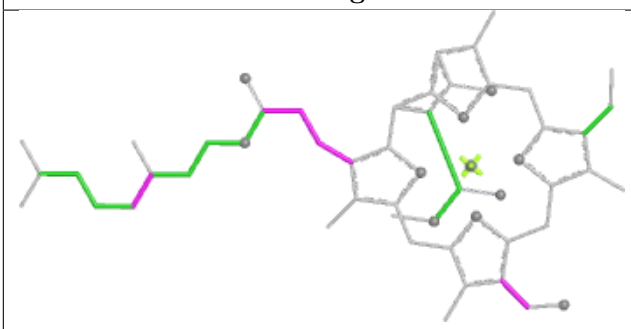
Ligand CL7 A 832



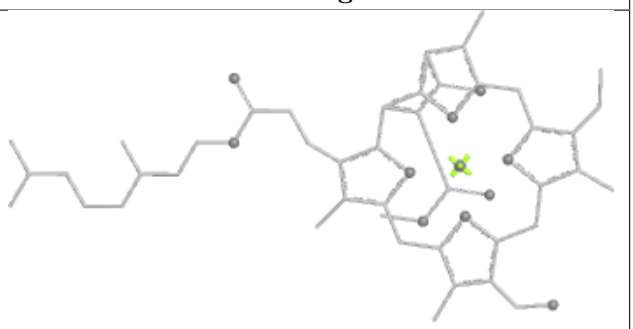
Bond lengths



Bond angles

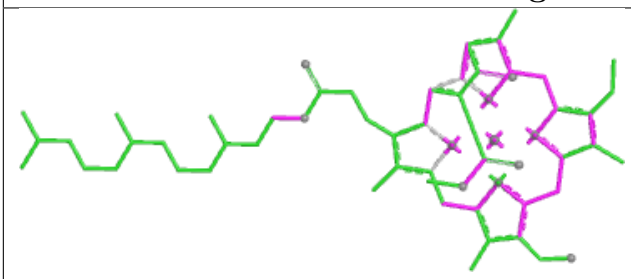


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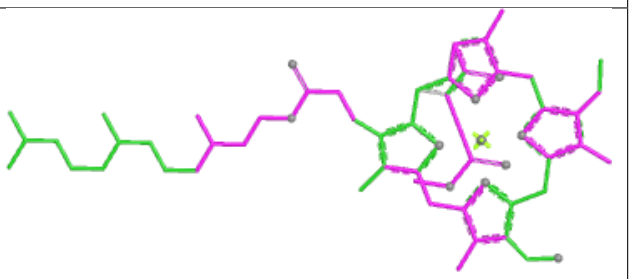


Rings

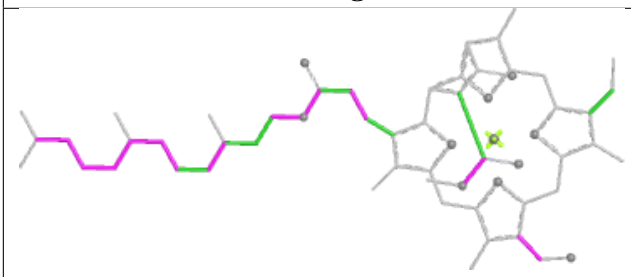
Ligand CL7 B 845



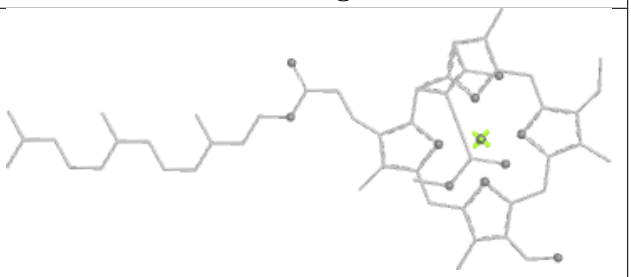
Bond lengths



Bond angles

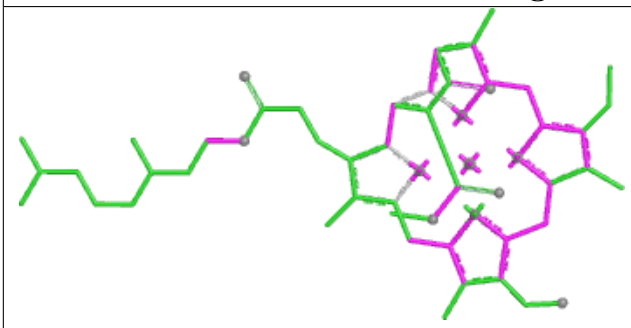


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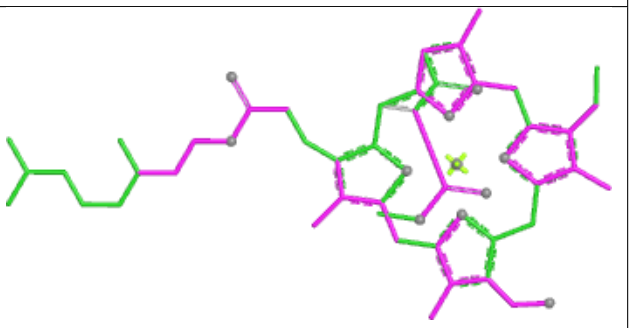


Rings

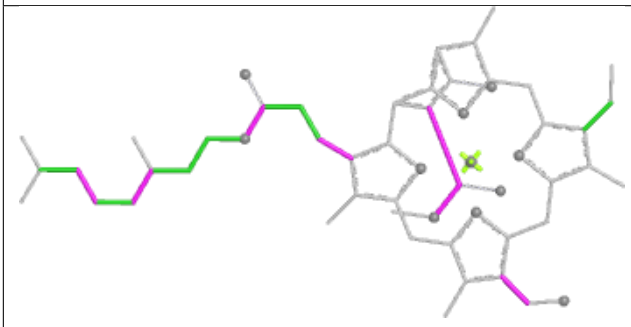
Ligand CL7 B 833



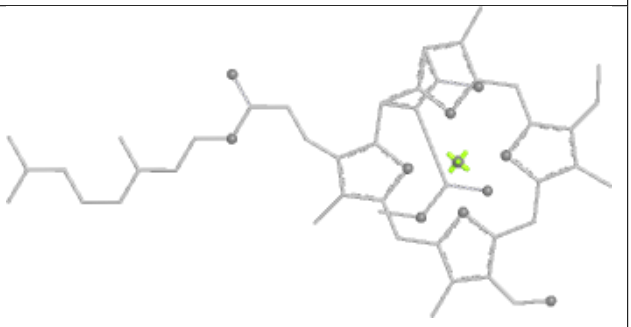
Bond lengths



Bond angles

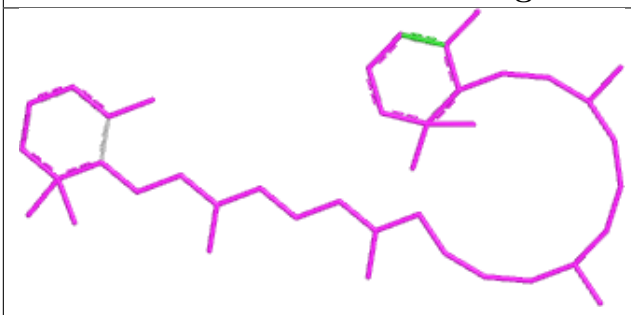


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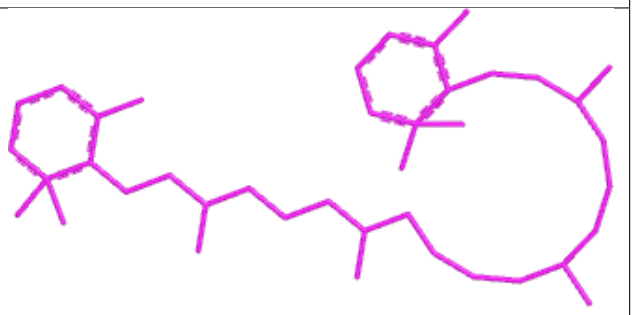


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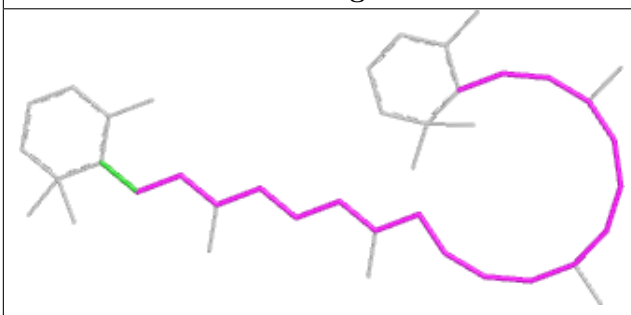
Ligand WVN A 849



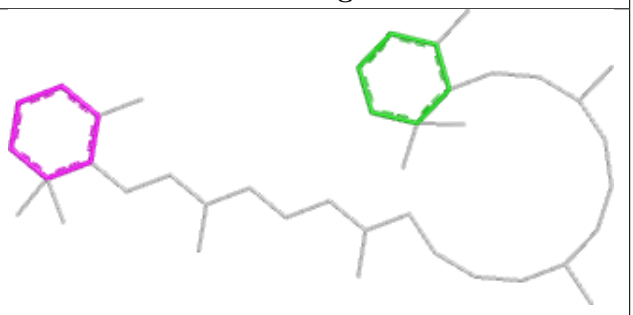
Bond lengths



Bond angles

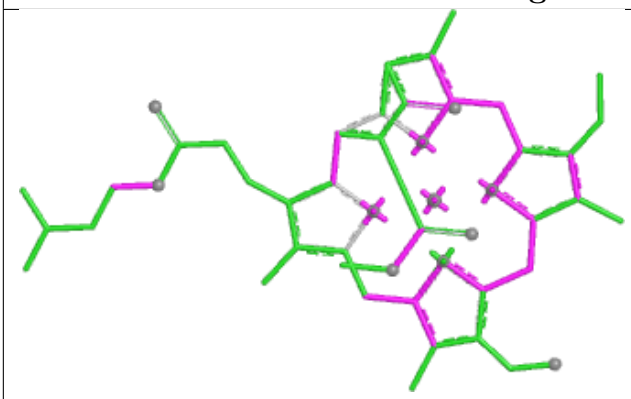


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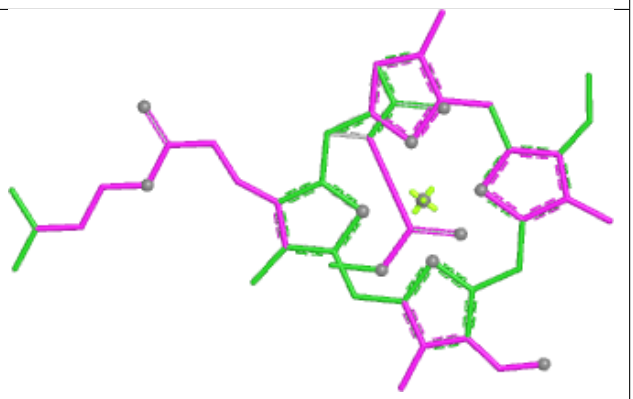


Rings

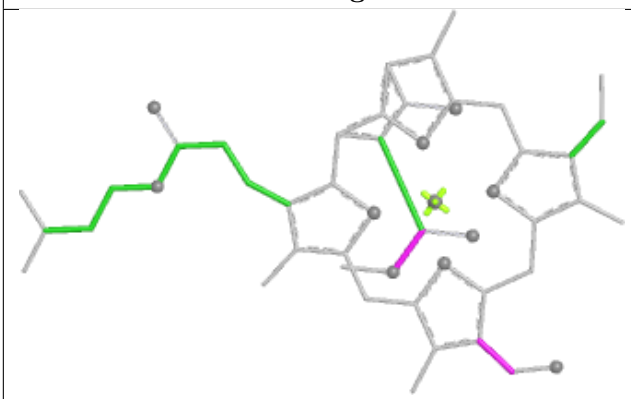
Ligand CL7 B 807



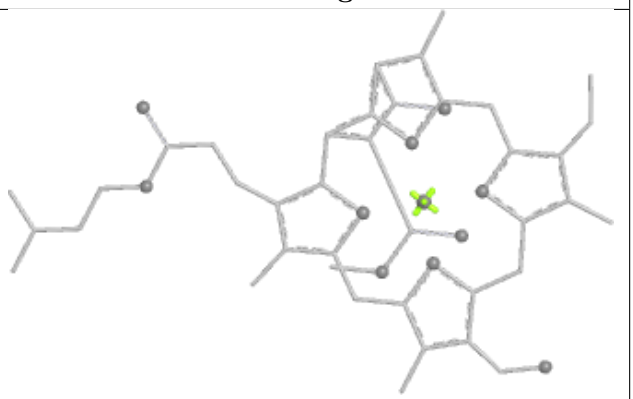
Bond lengths



Bond angles

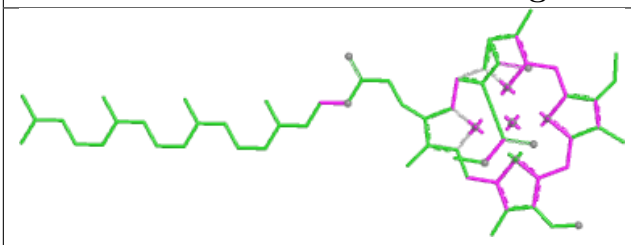


Torsions

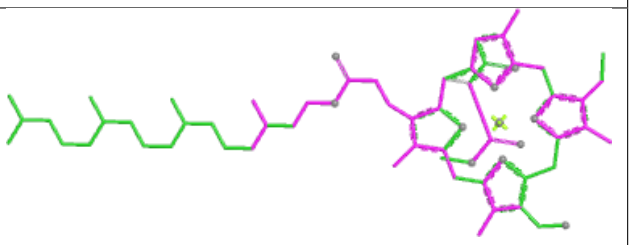


Rings

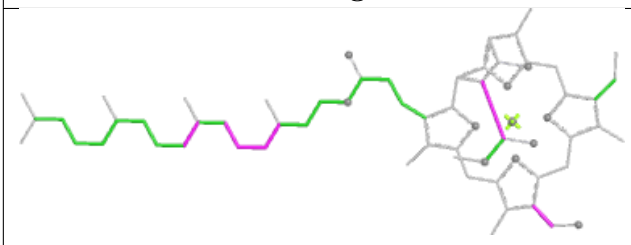
Ligand CL7 B 806



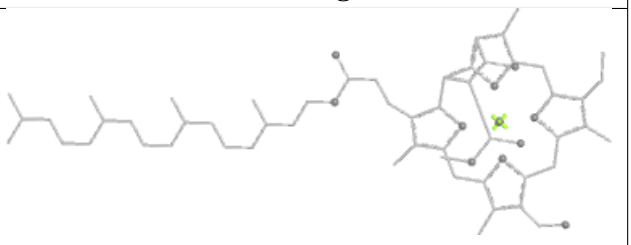
Bond lengths



Bond angles

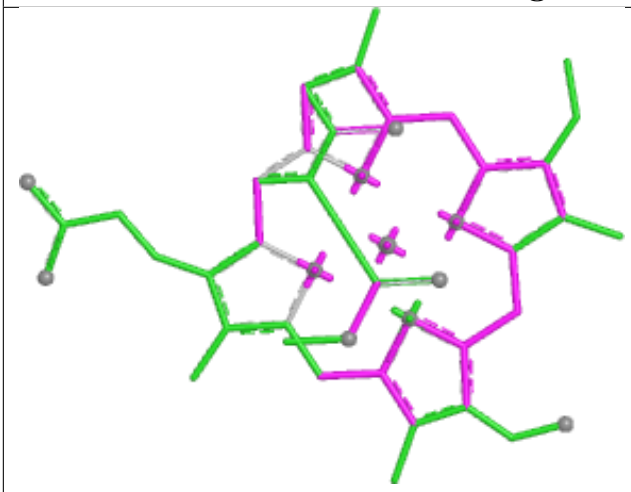


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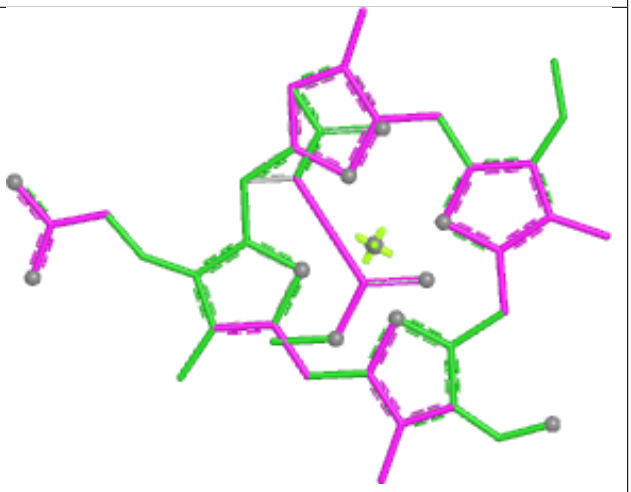


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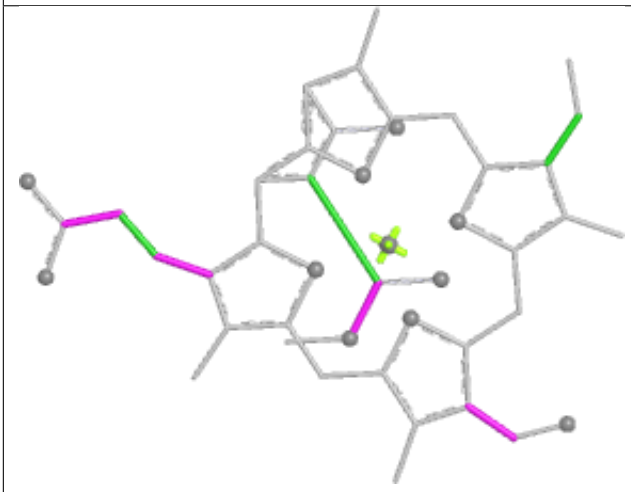
Ligand CL7 A 835



Bond lengths



Bond angles

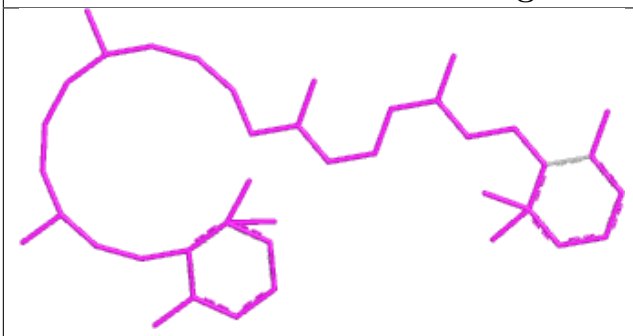


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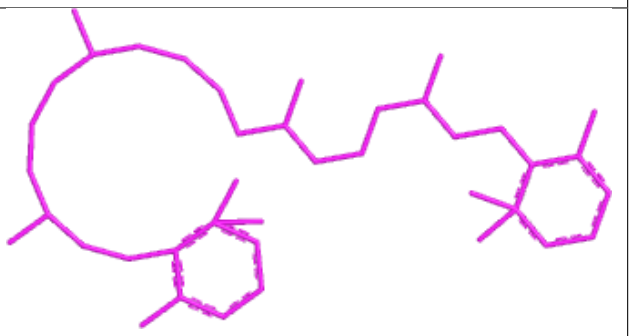


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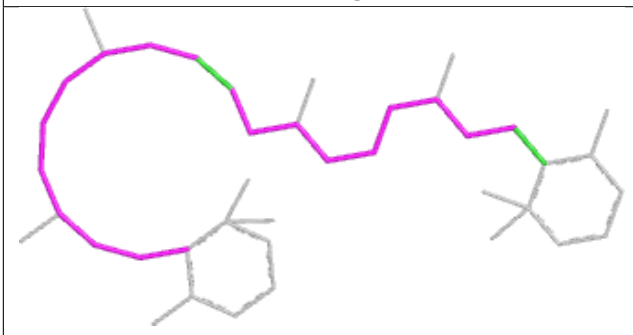
Ligand WVN F 204



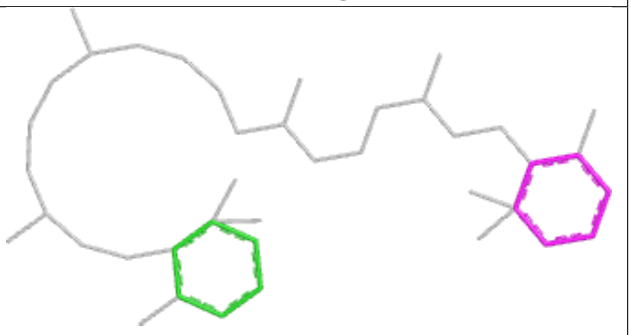
Bond lengths



Bond angles

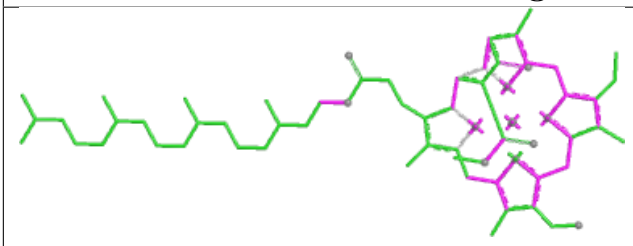


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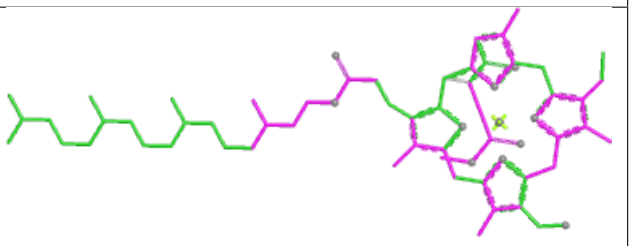


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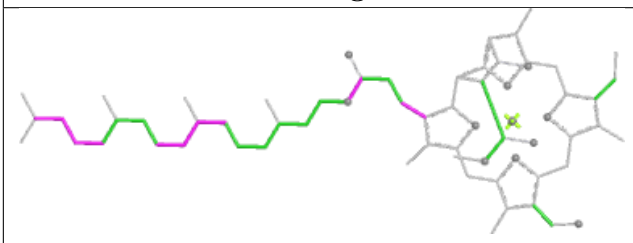
Ligand CL7 A 836



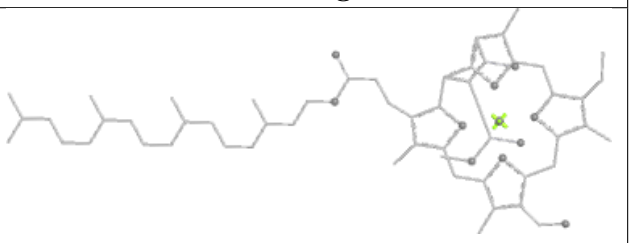
Bond lengths



Bond angles

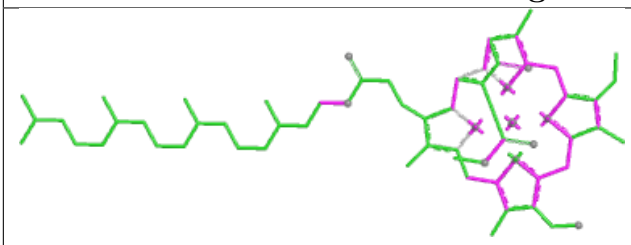


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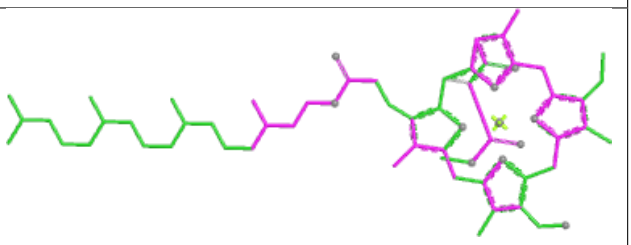


Rings

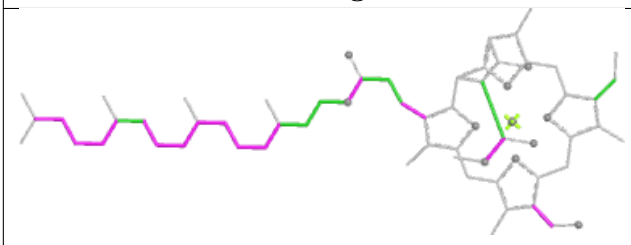
Ligand CL7 A 828



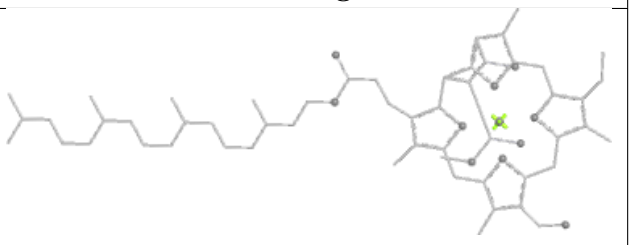
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Bond angles

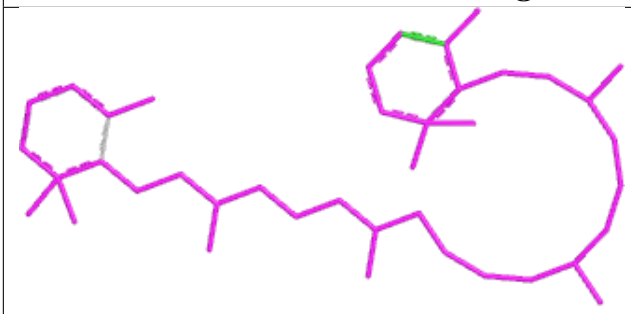


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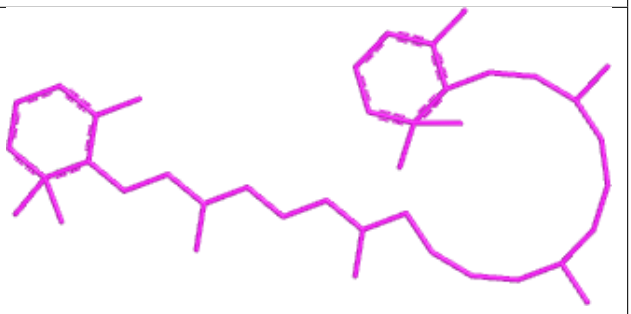


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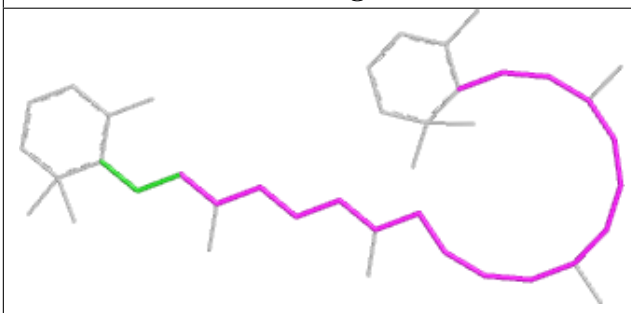
Ligand WVN A 851



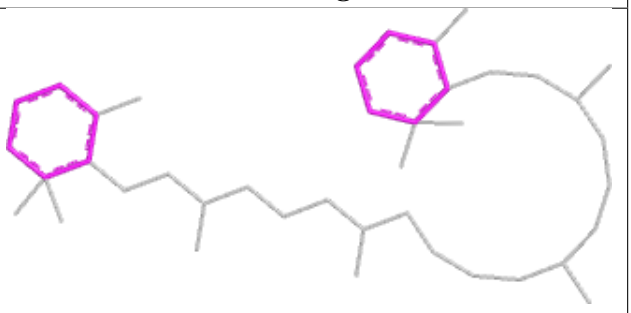
Bond lengths



Bond angles

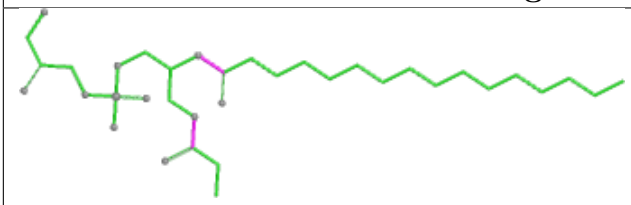


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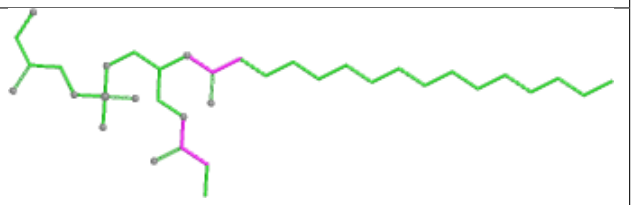


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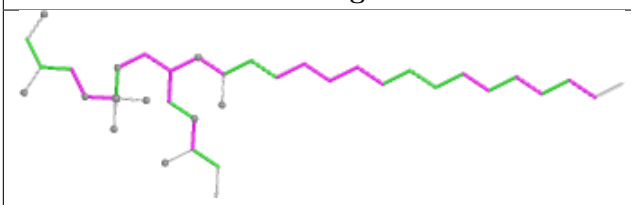
Ligand LHG L 208



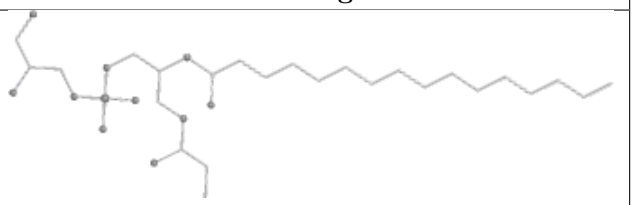
Bond lengths



Bond angles

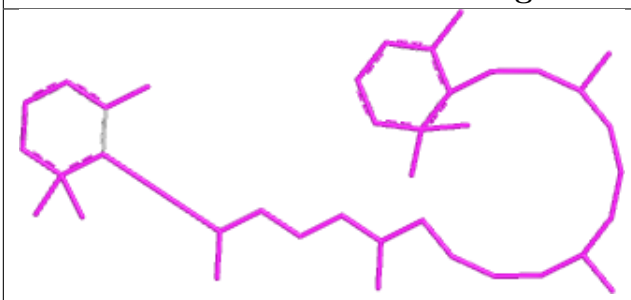


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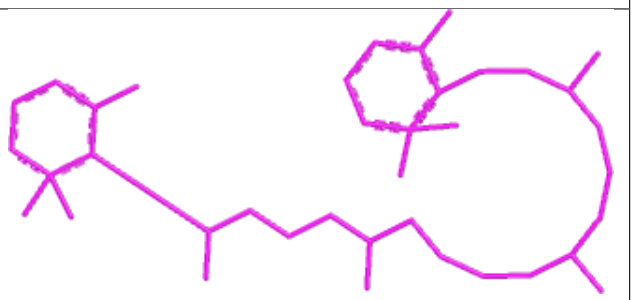


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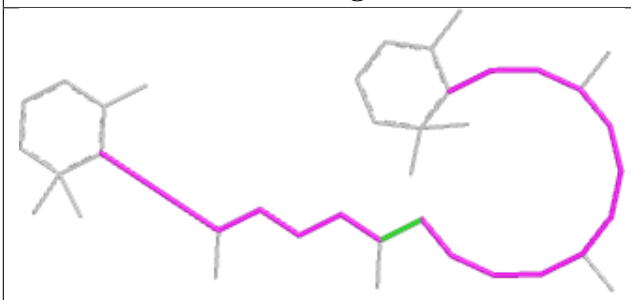
Ligand WVN A 852



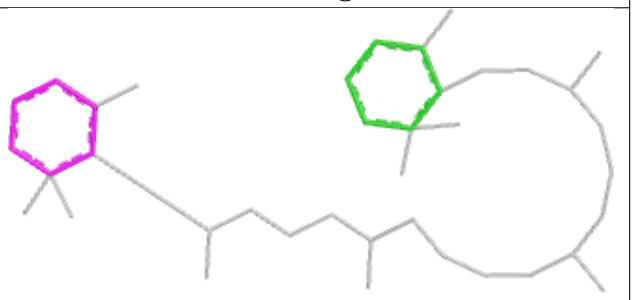
Bond lengths



Bond angles

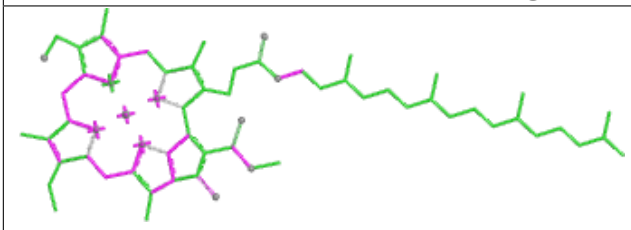


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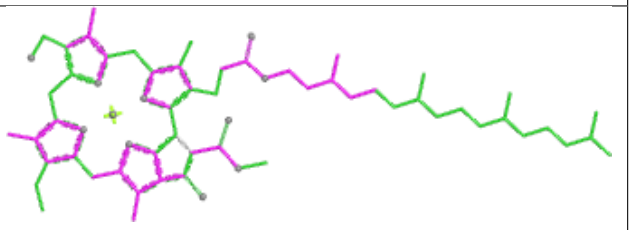


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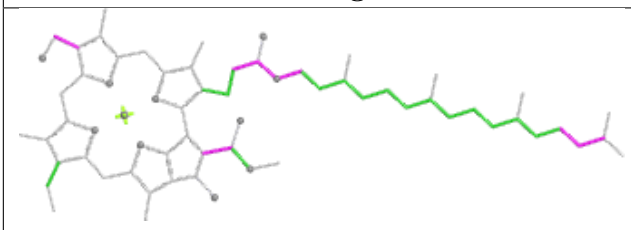
Ligand G9R A 801



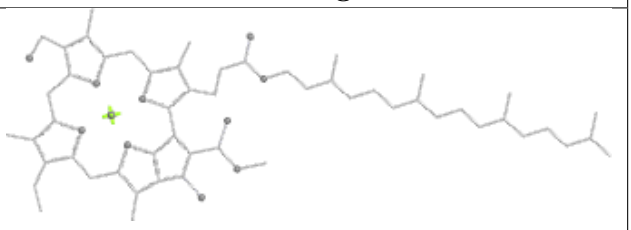
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Bond angles

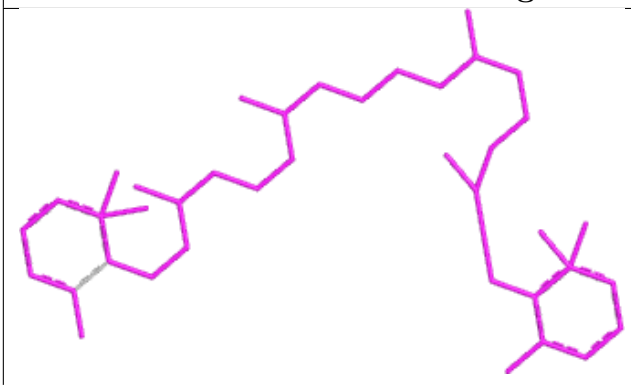


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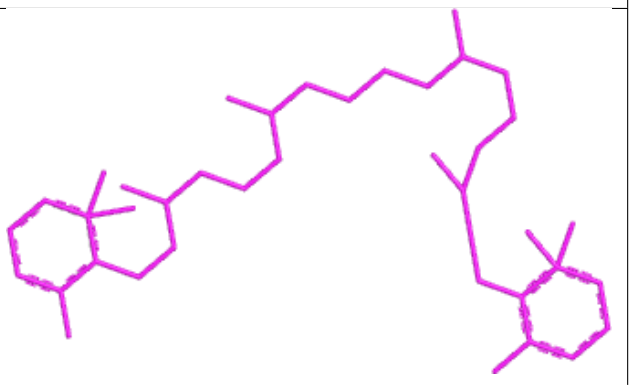


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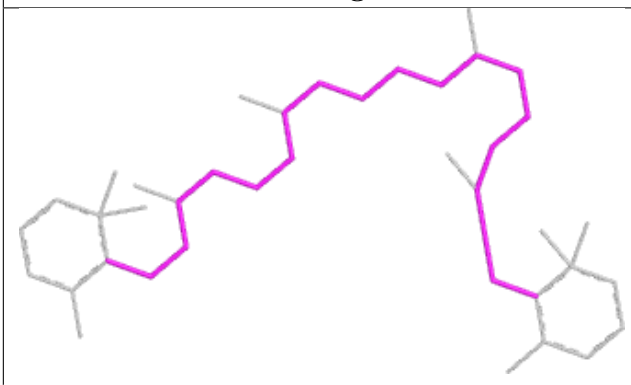
Ligand WVN F 205



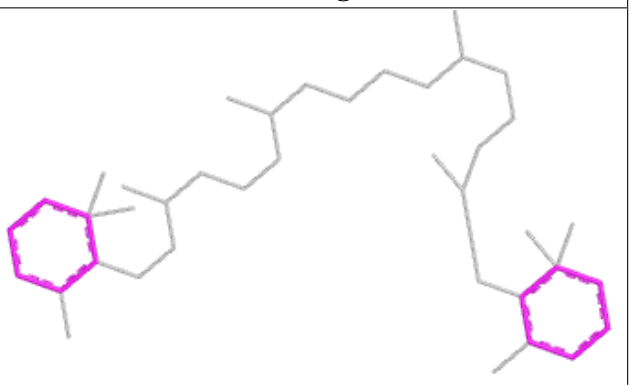
Bond lengths



Bond angles

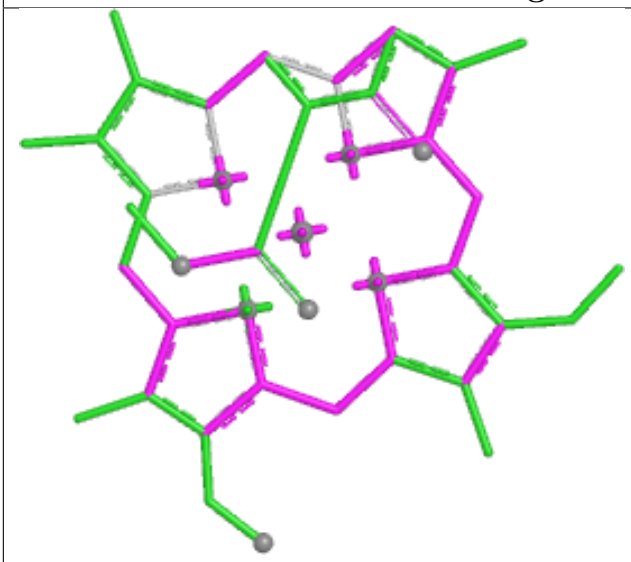


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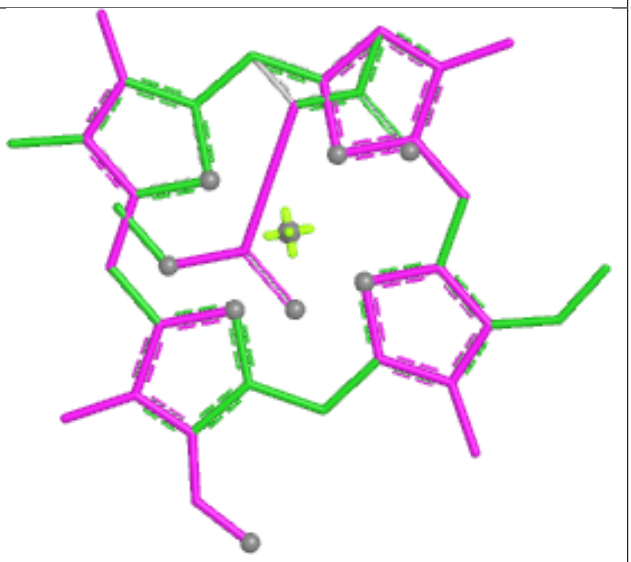


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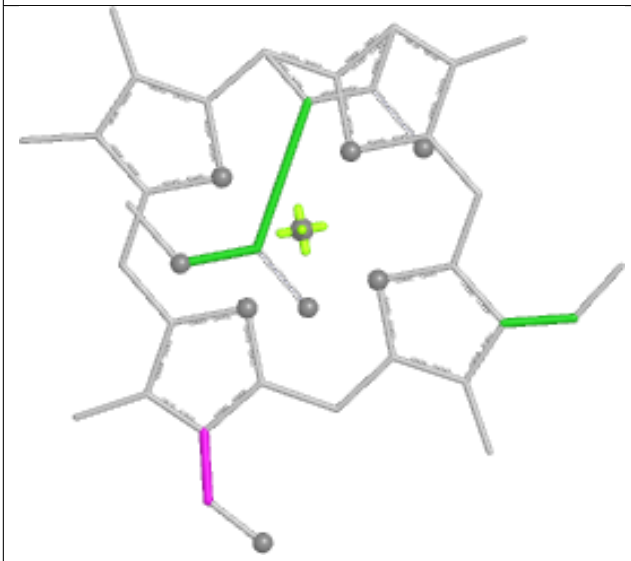
Ligand CL7 K 101



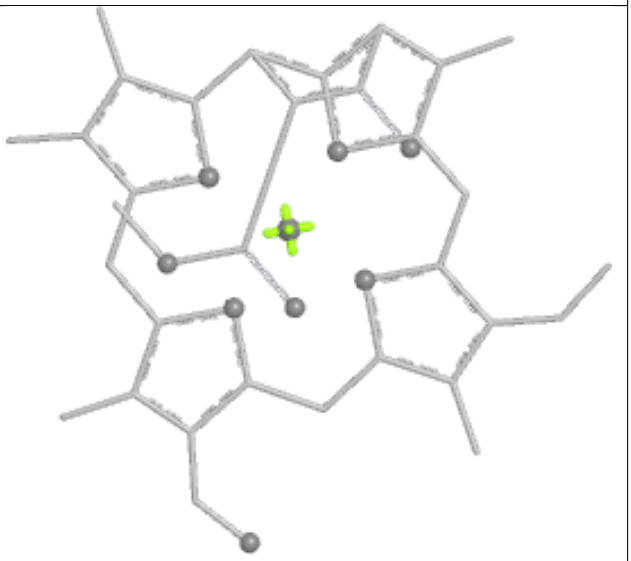
Bond lengths



Bond angles

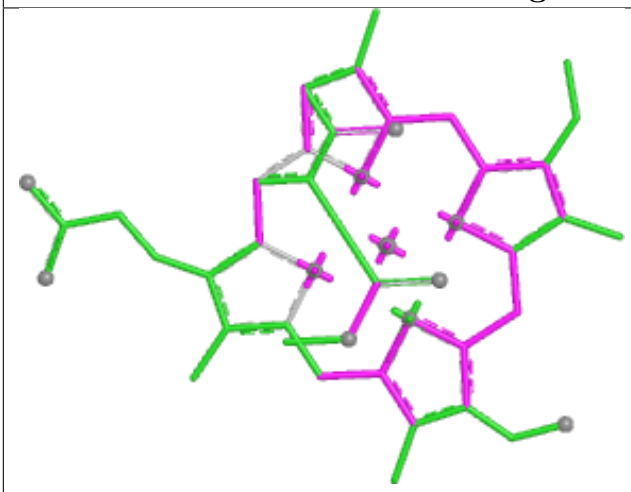


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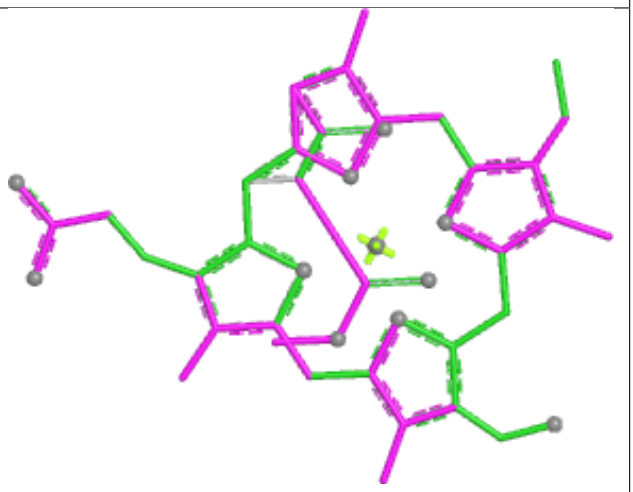


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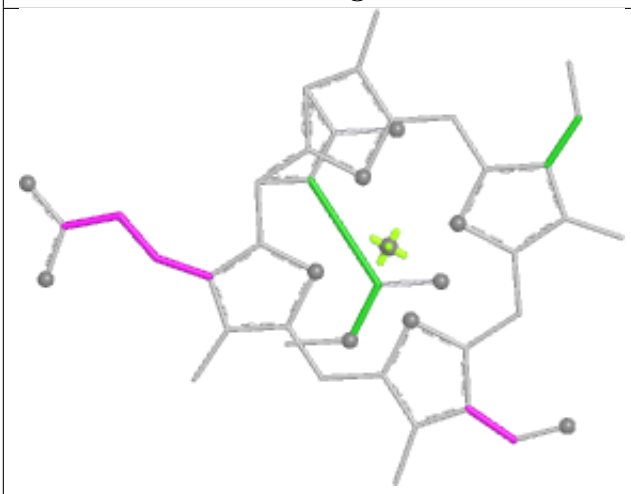
Ligand CL7 B 837



Bond lengths



Bond angles

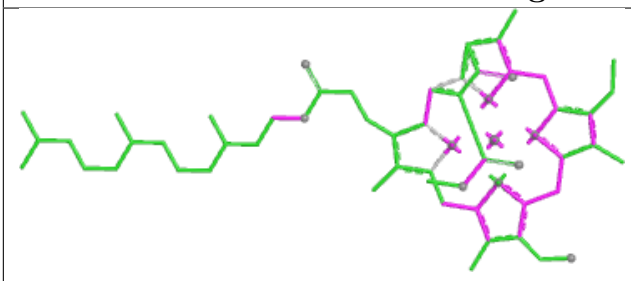


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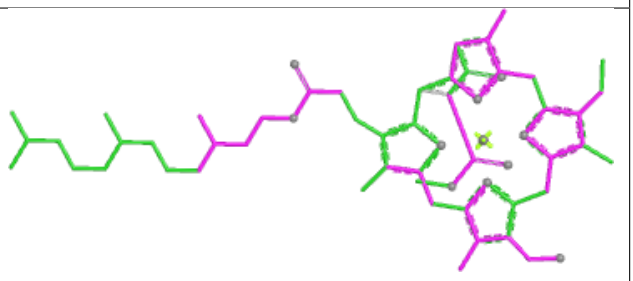


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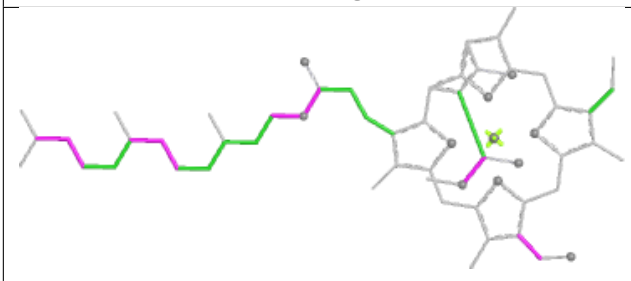
Ligand CL7 A 845



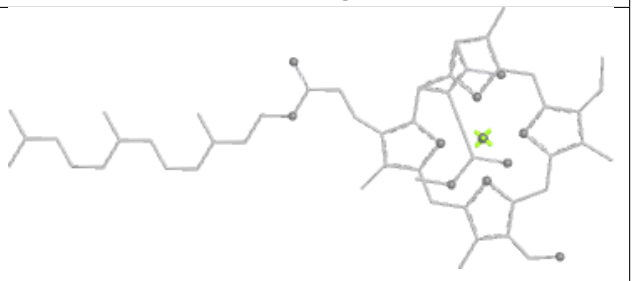
Bond lengths



Bond angles

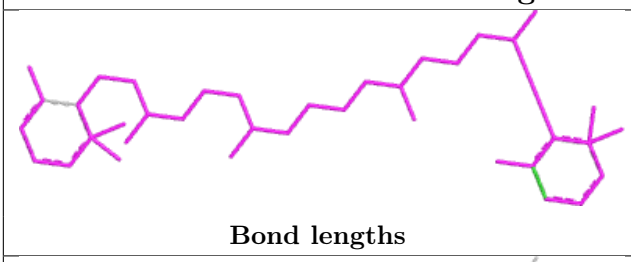


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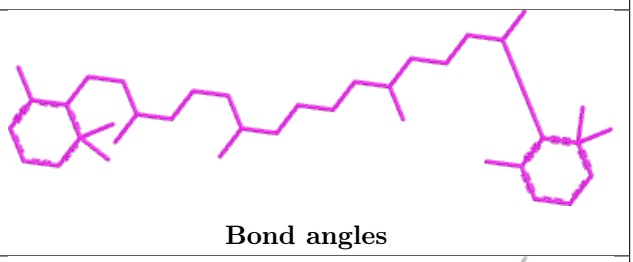


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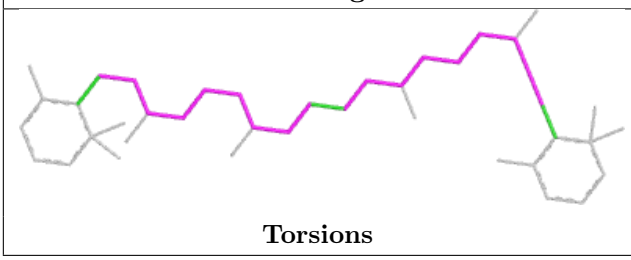
Ligand WVN L 209



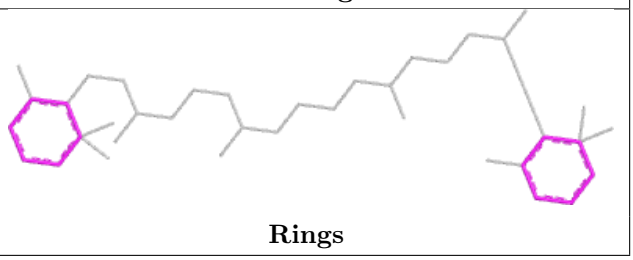
Bond lengths



Bond angles

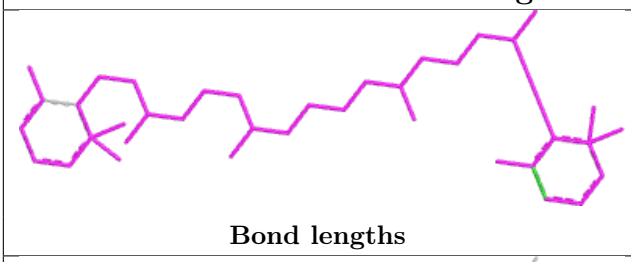


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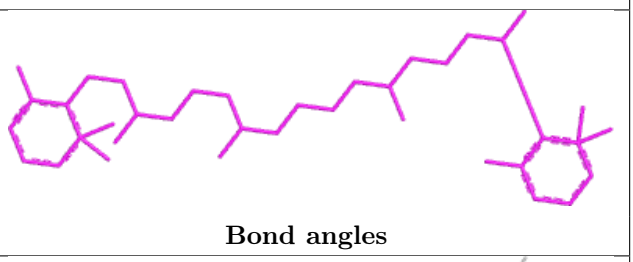


Rings

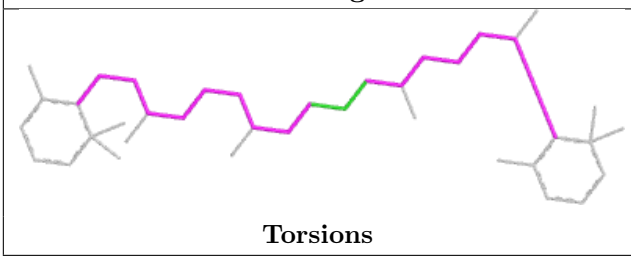
Ligand WVN B 848



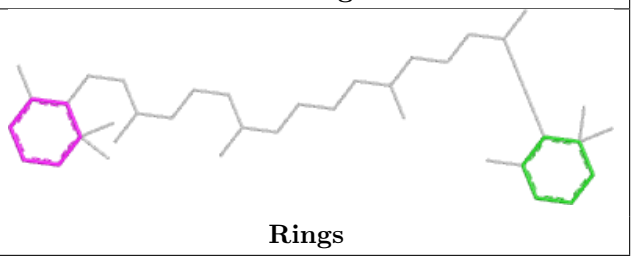
Bond lengths



Bond angles

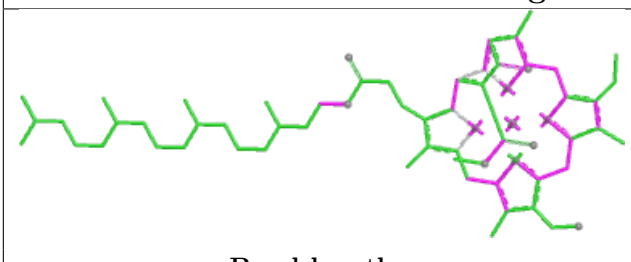


Torsions

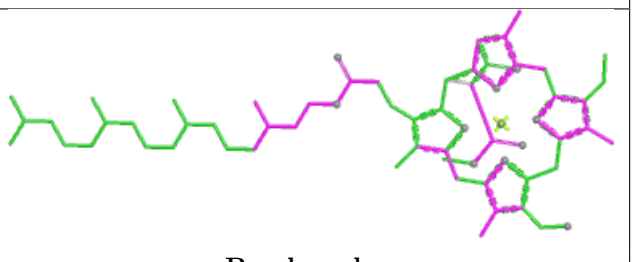


Rings

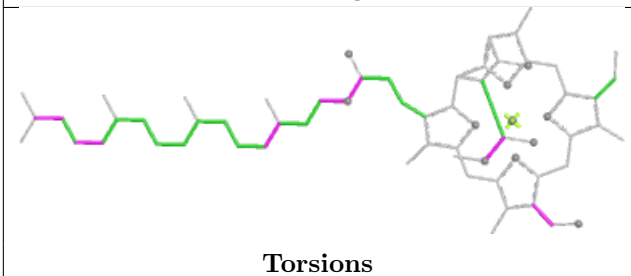
Ligand CL7 A 807



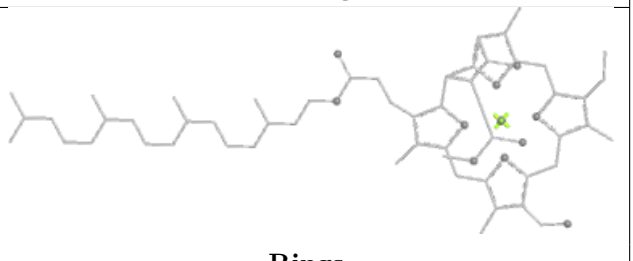
Bond lengths



Bond angles

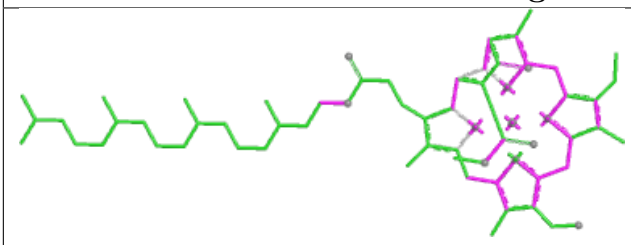


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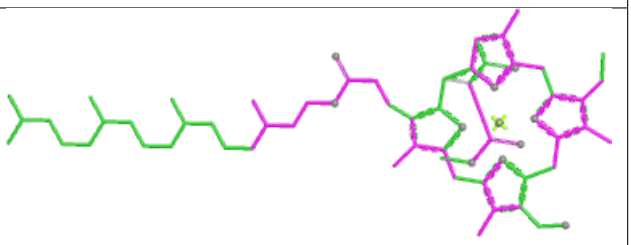


Rings

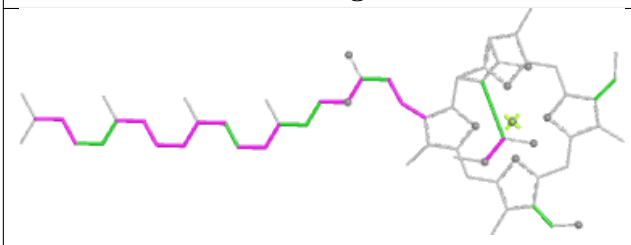
Ligand CL7 A 806



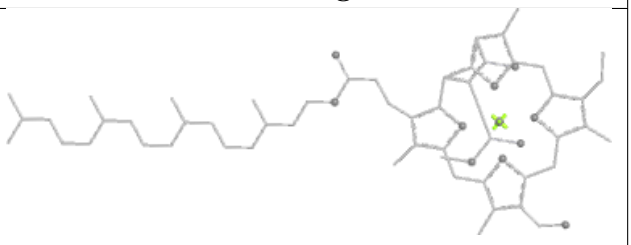
Bond lengths



Bond angles

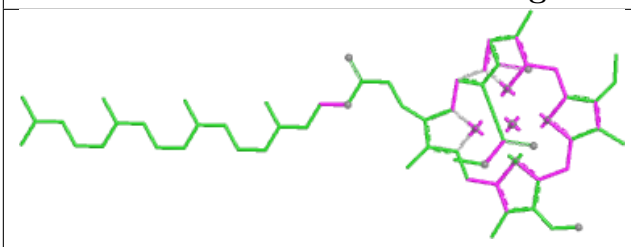


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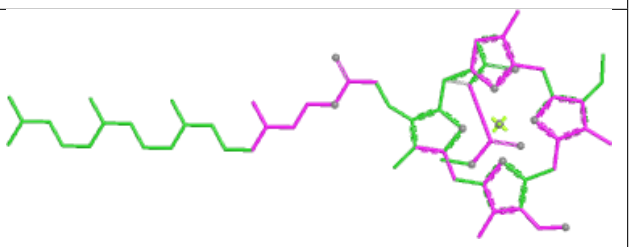


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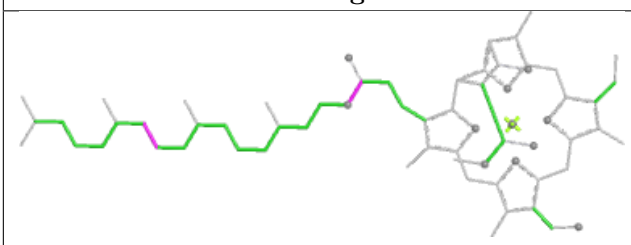
Ligand CL7 B 808



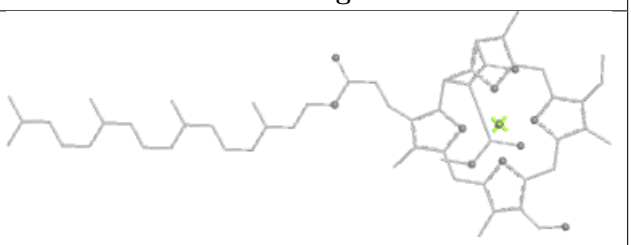
Bond lengths



Bond angles

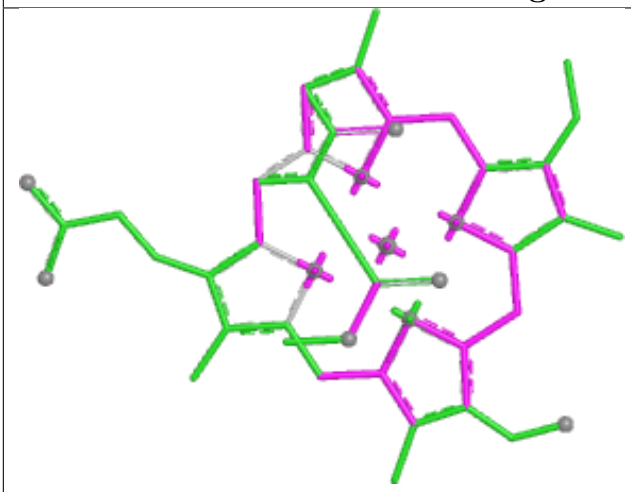


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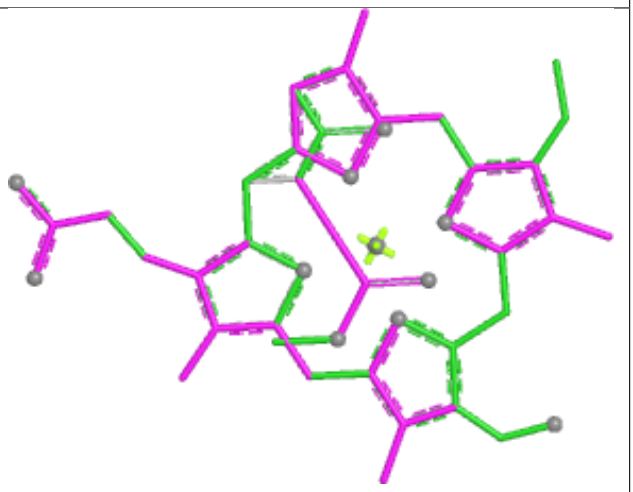


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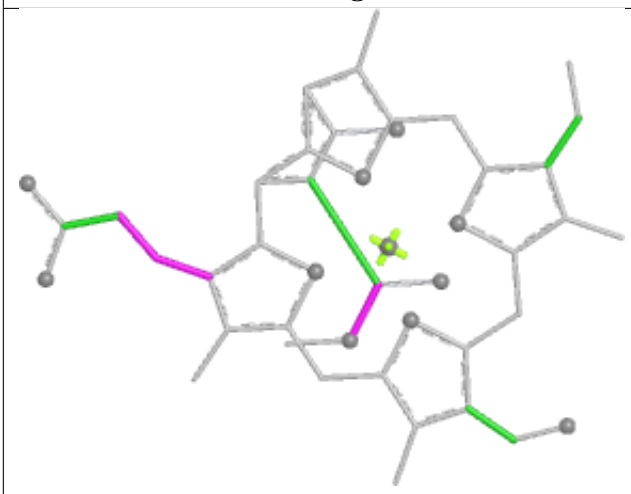
Ligand CL7 B 828



Bond lengths



Bond angles

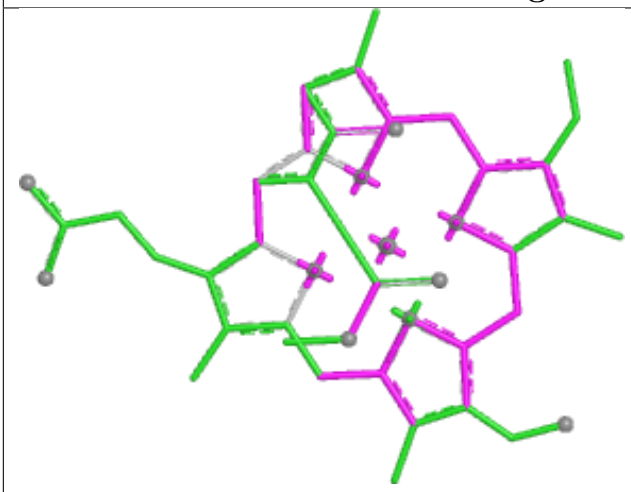


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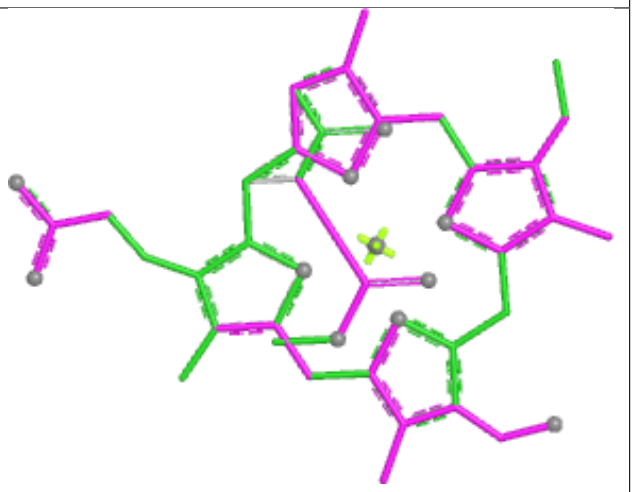


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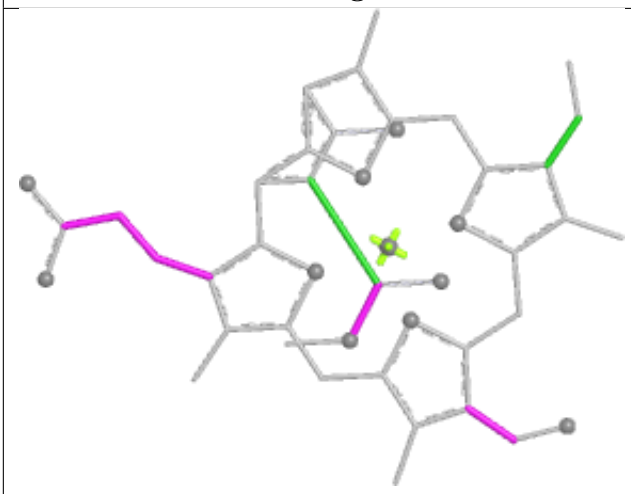
Ligand CL7 A 831



Bond lengths



Bond angles

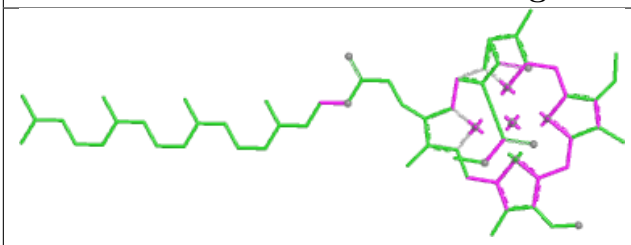


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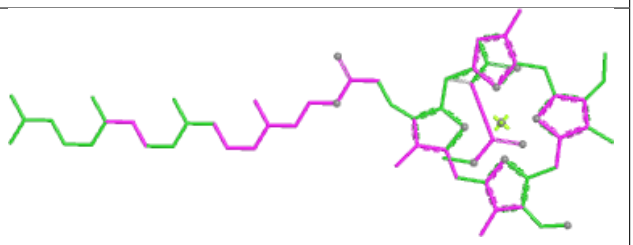


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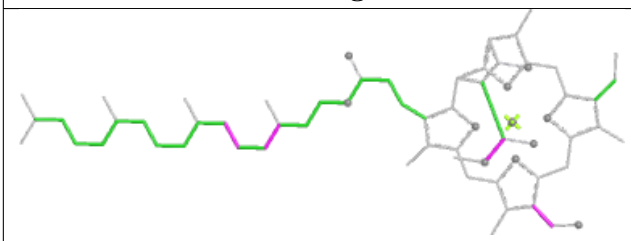
Ligand CL7 B 803



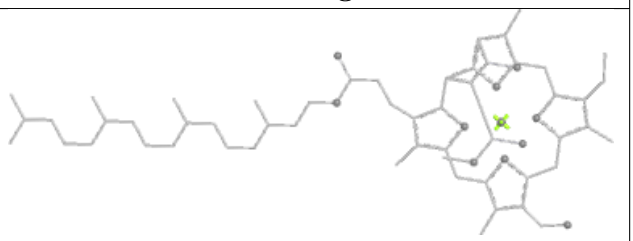
Bond lengths



Bond angles

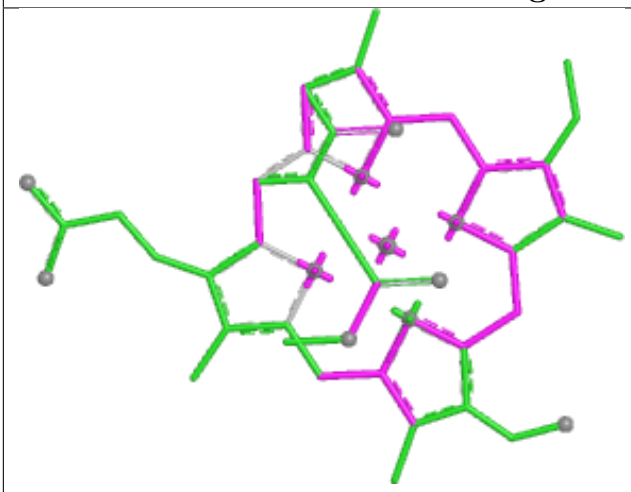


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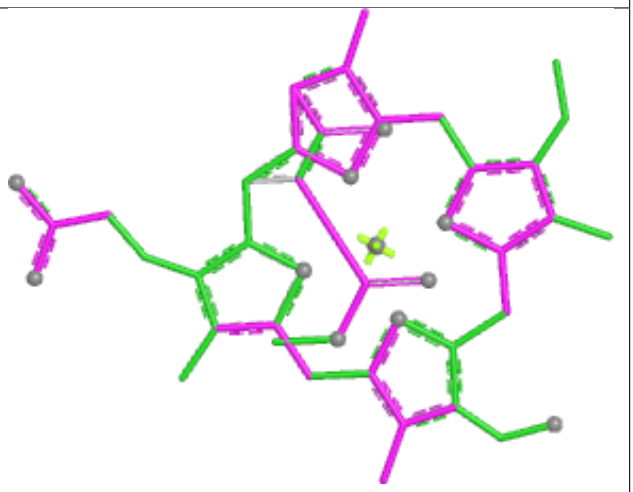


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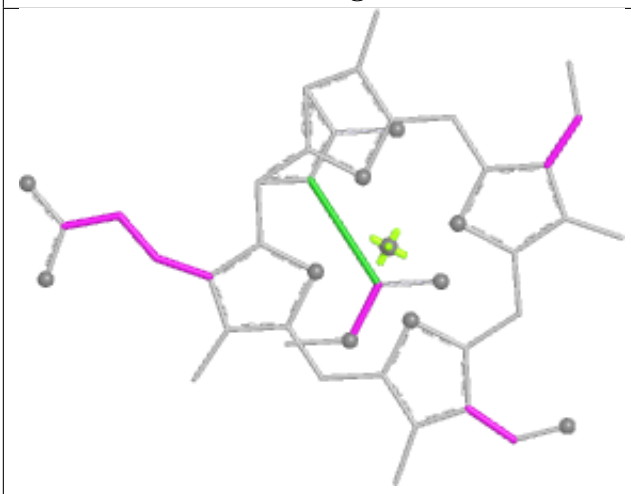
Ligand CL7 B 827



Bond lengths



Bond angles

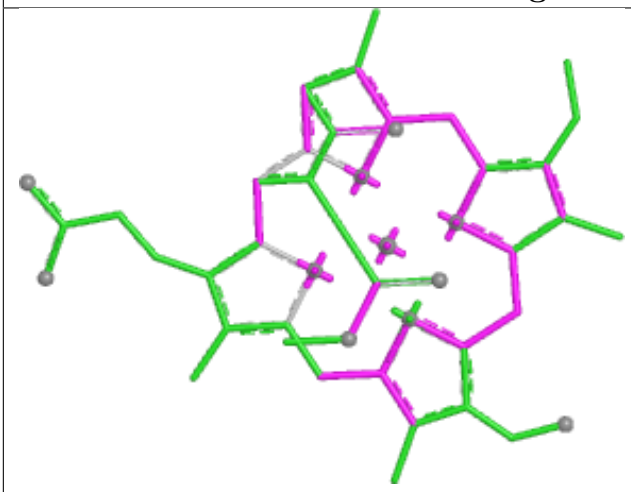


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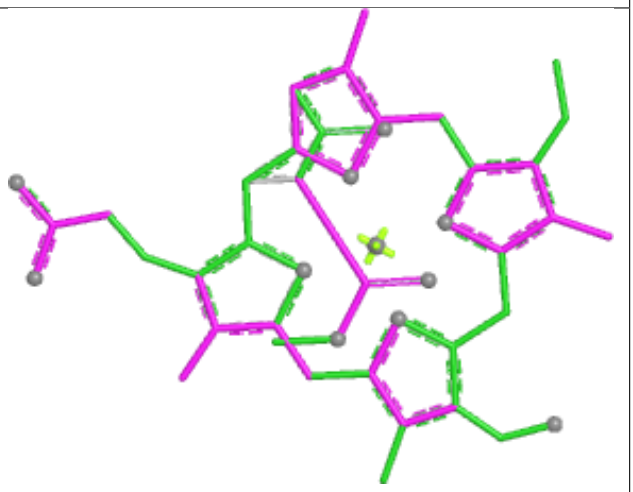


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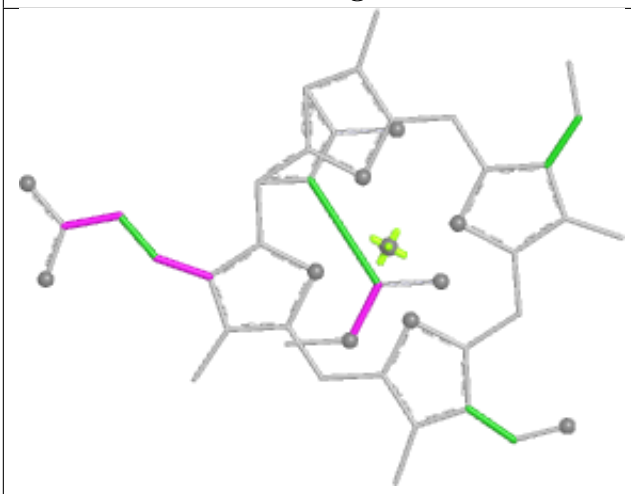
Ligand CL7 B 836



Bond lengths



Bond angles

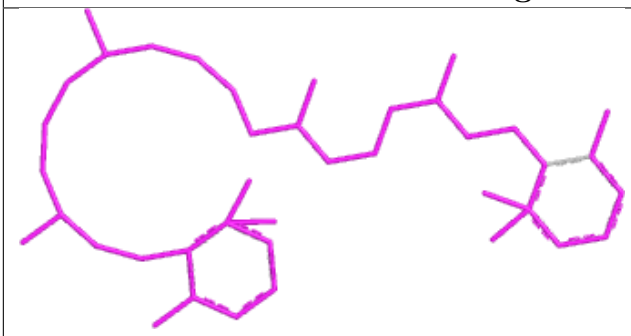


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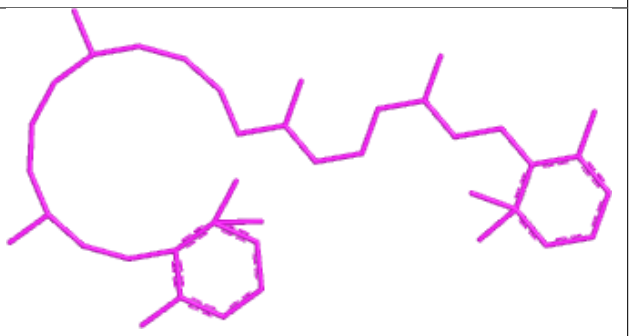


Rings

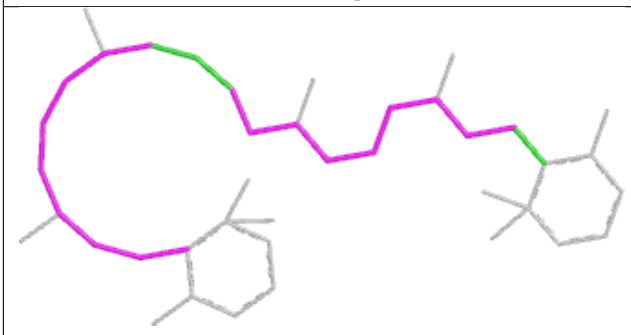
Ligand WVN K 103



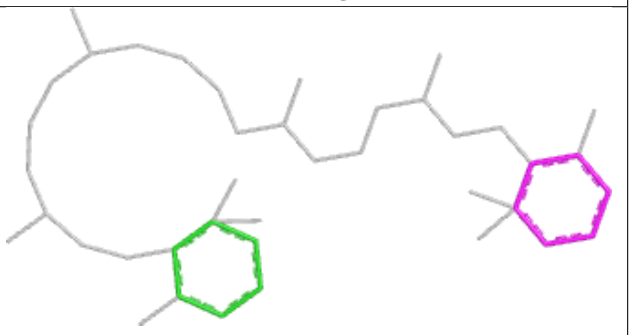
Bond lengths



Bond angles

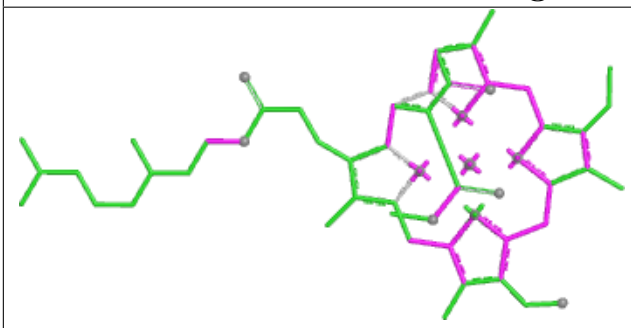


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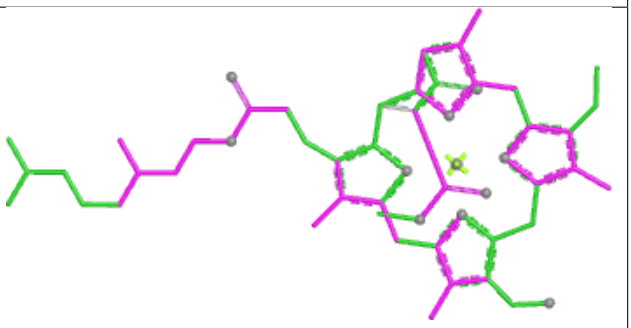


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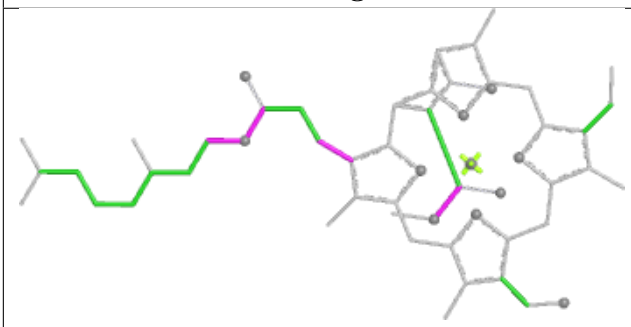
Ligand CL7 B 844



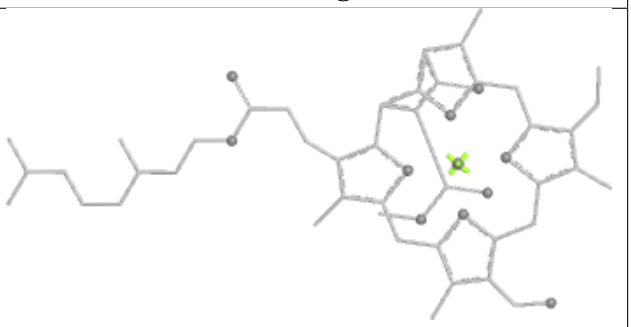
Bond lengths



Bond angles

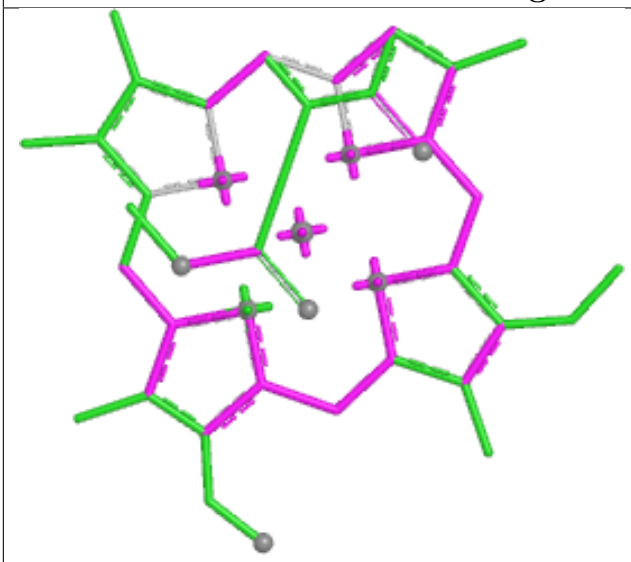


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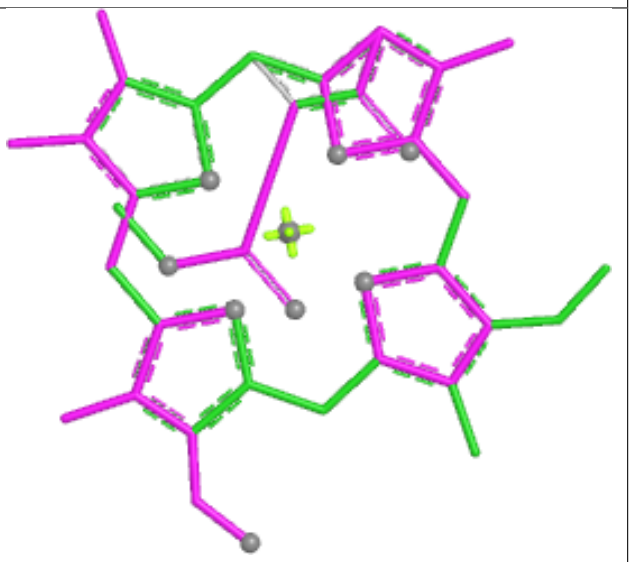


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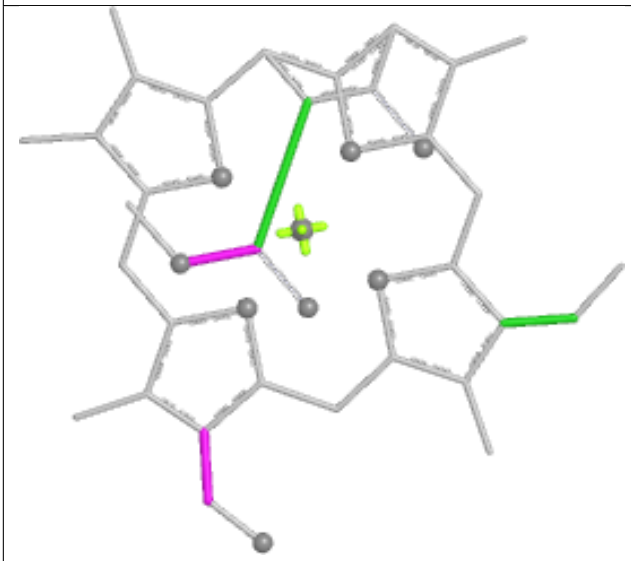
Ligand CL7 B 812



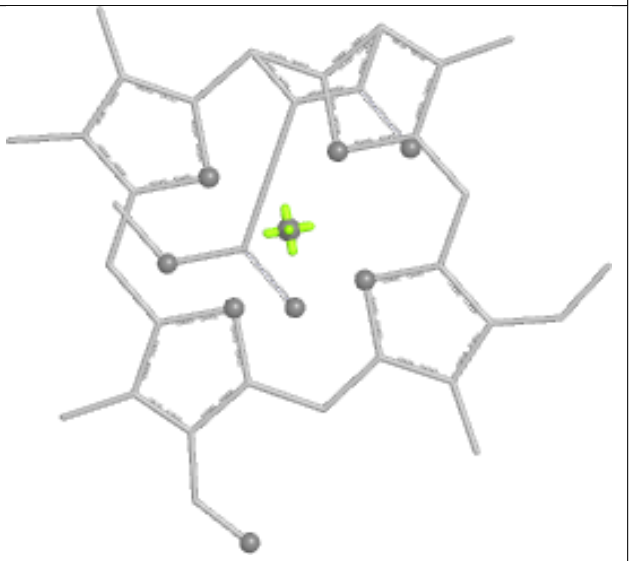
Bond lengths



Bond angles

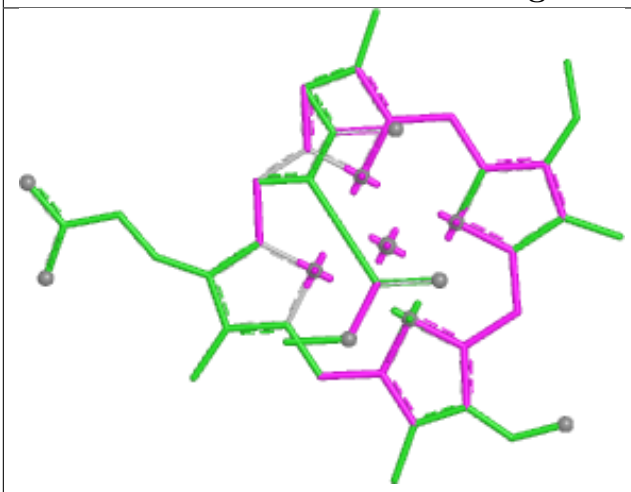


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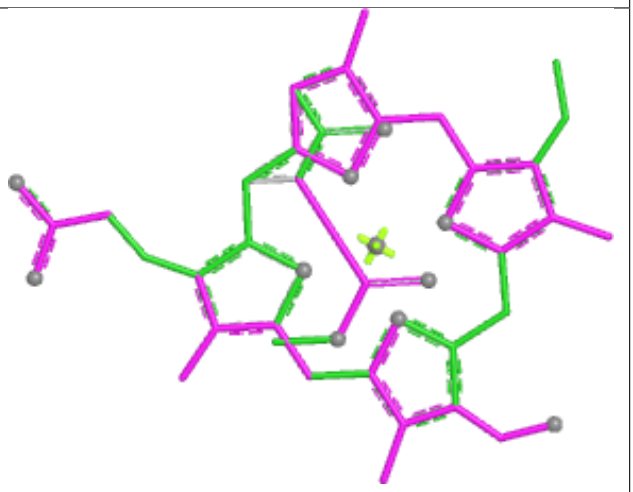


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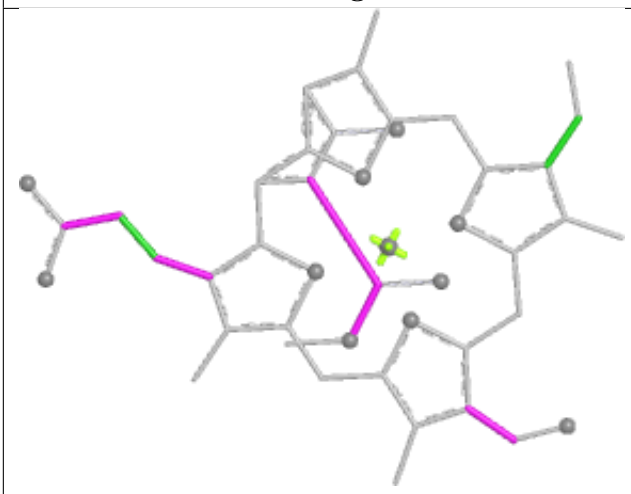
Ligand CL7 A 805



Bond lengths



Bond angles

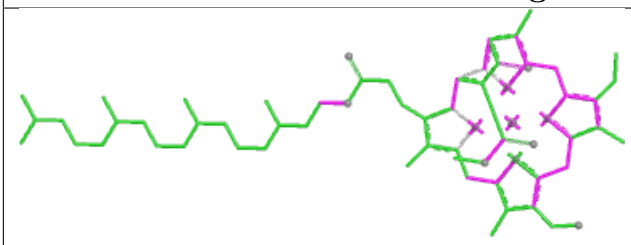


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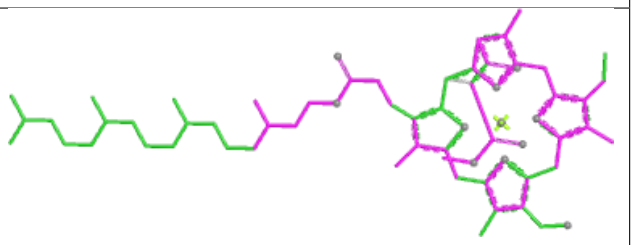


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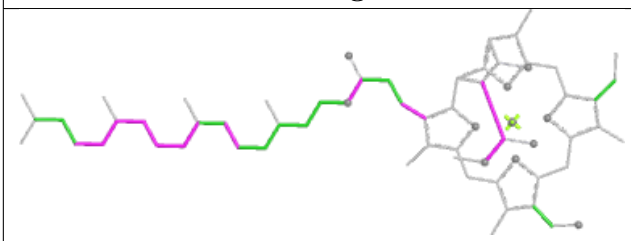
Ligand CL7 B 814



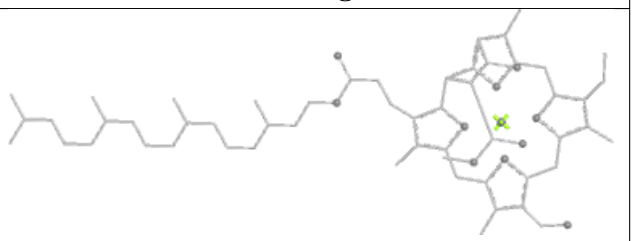
Bond lengths



Bond angles

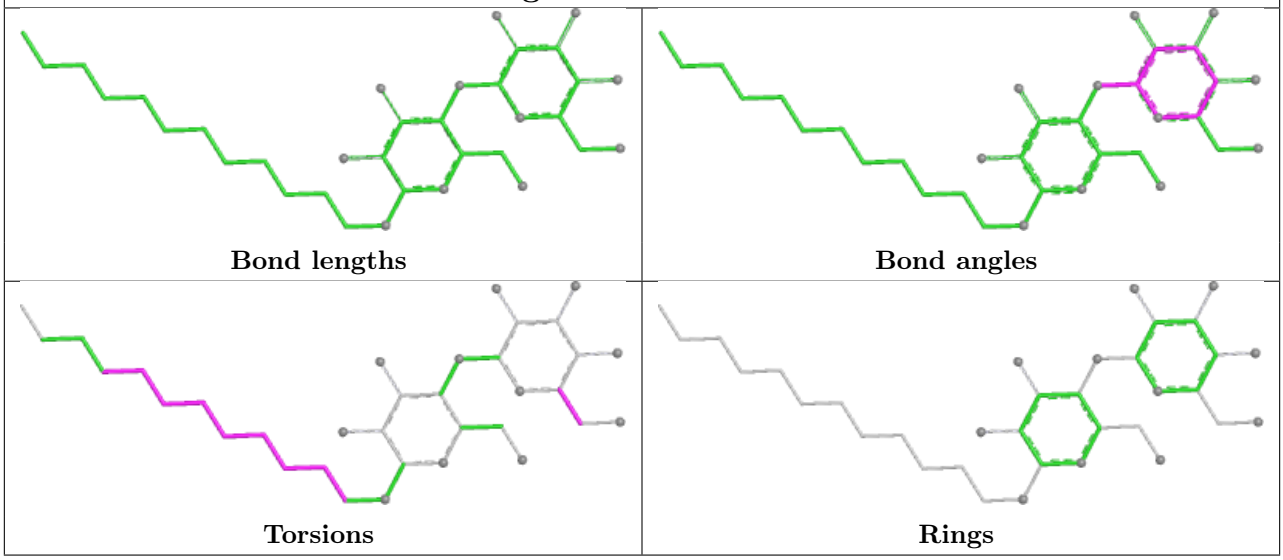


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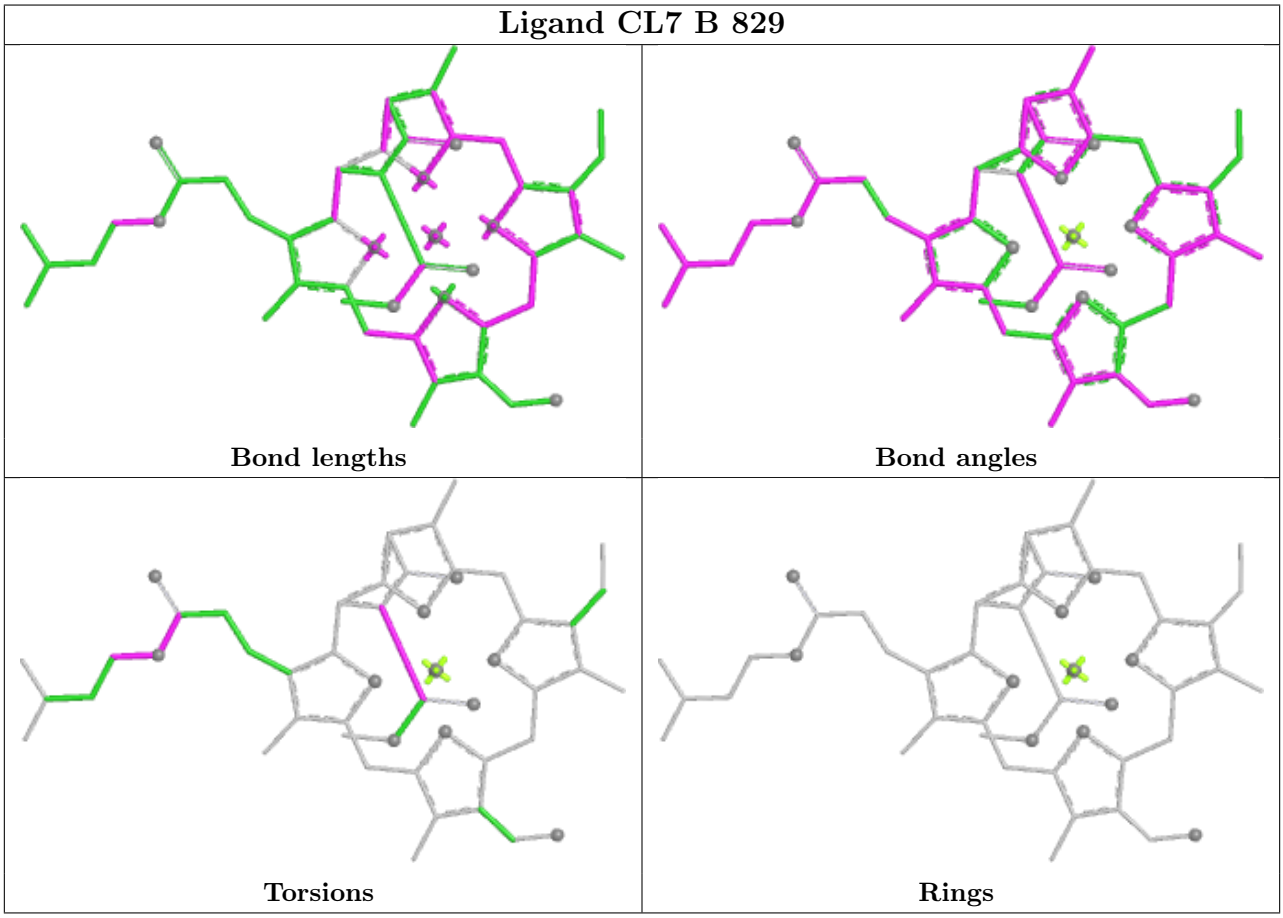


Rings

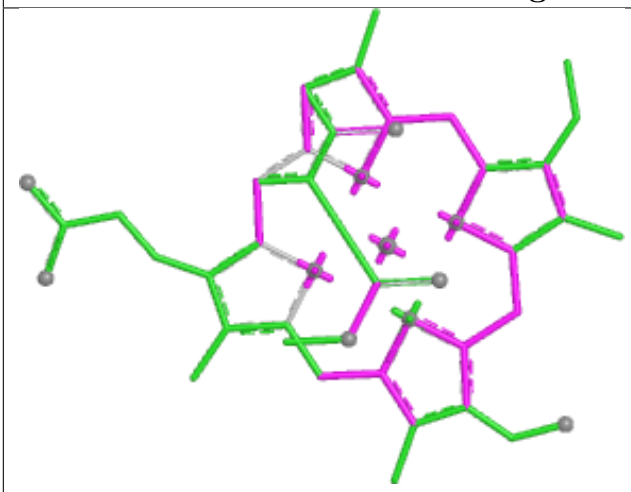
Ligand LMT B 841



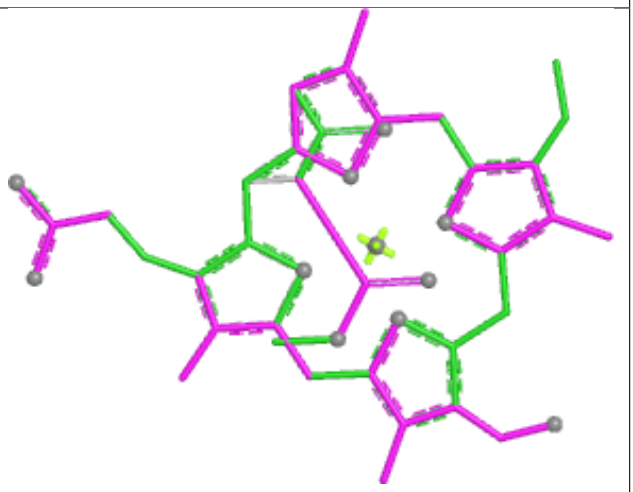
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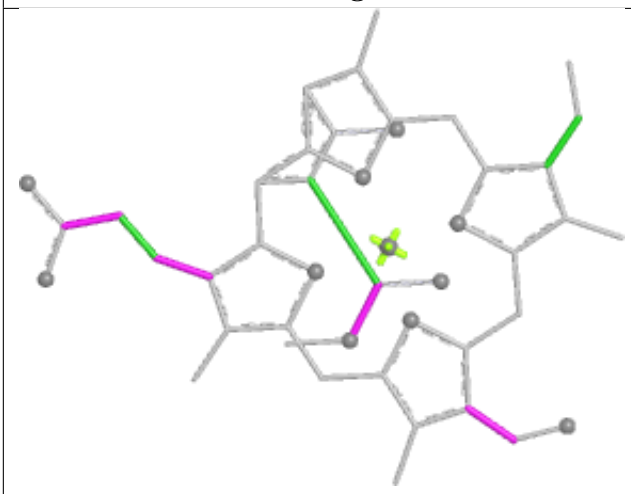
Ligand CL7 B 834



Bond lengths



Bond angles

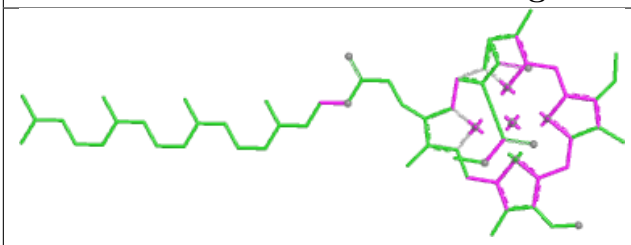


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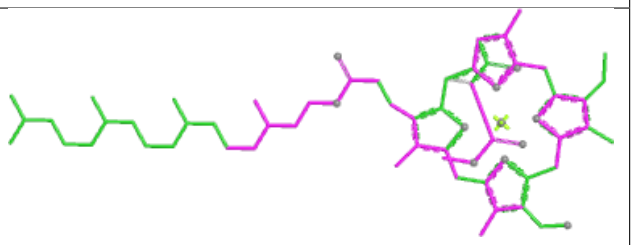


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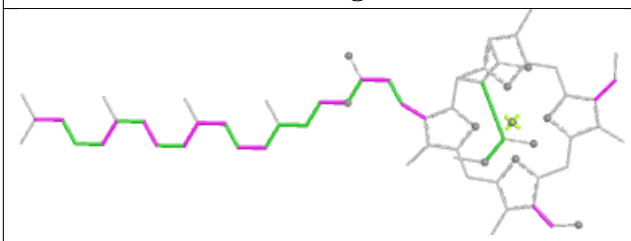
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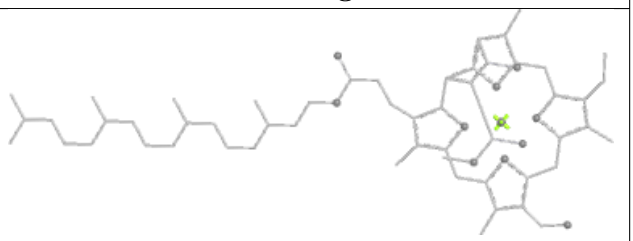
Bond lengths



Bond angles

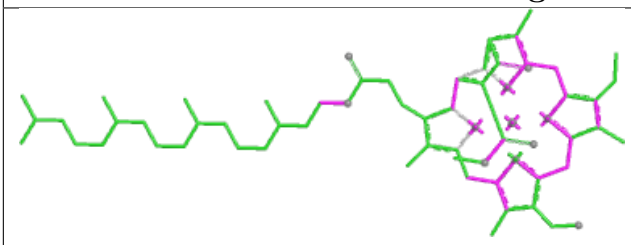


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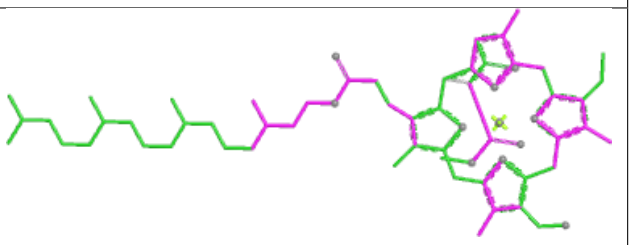


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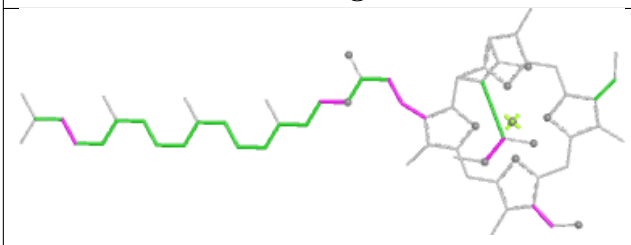
Ligand CL7 A 803



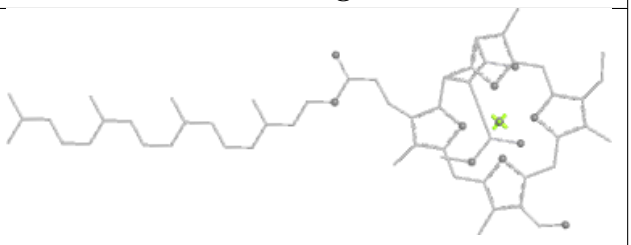
Bond lengths



Bond angles

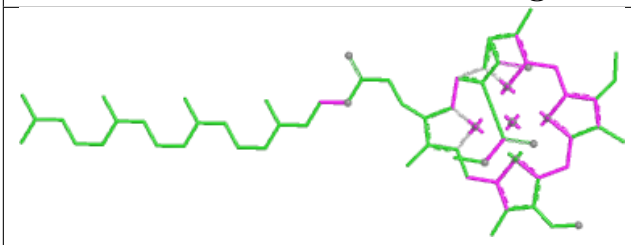


Torsions

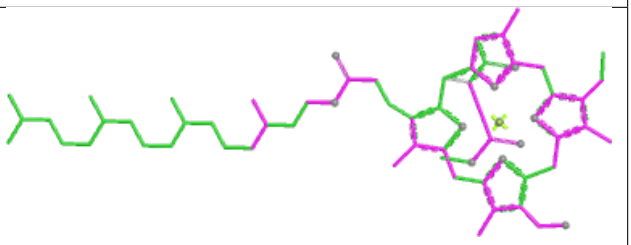


Rings

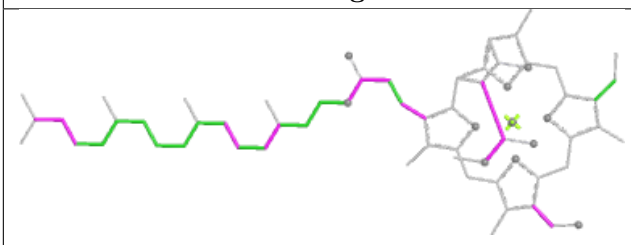
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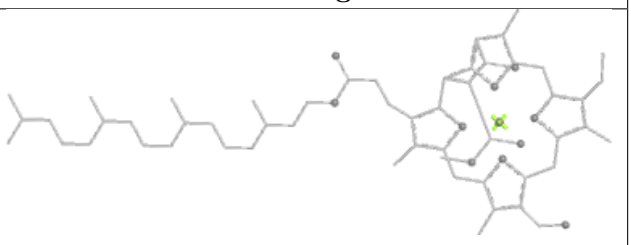
Bond lengths



Bond angles

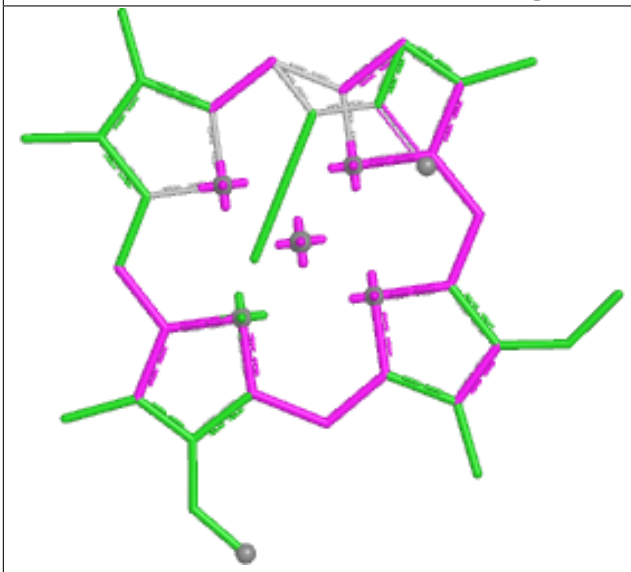


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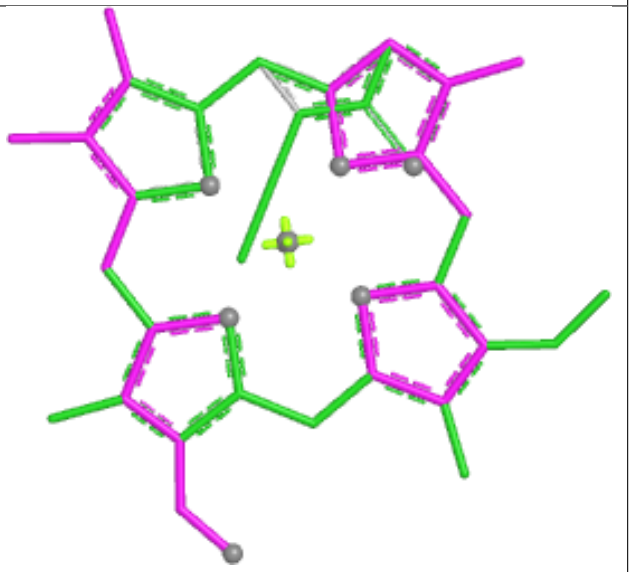


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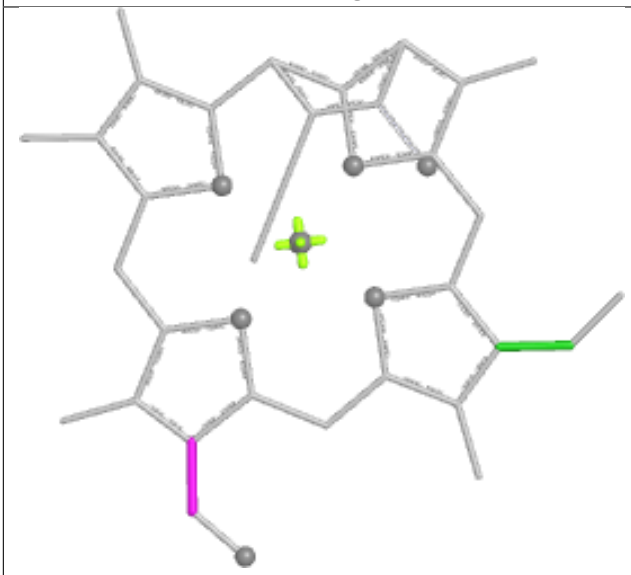
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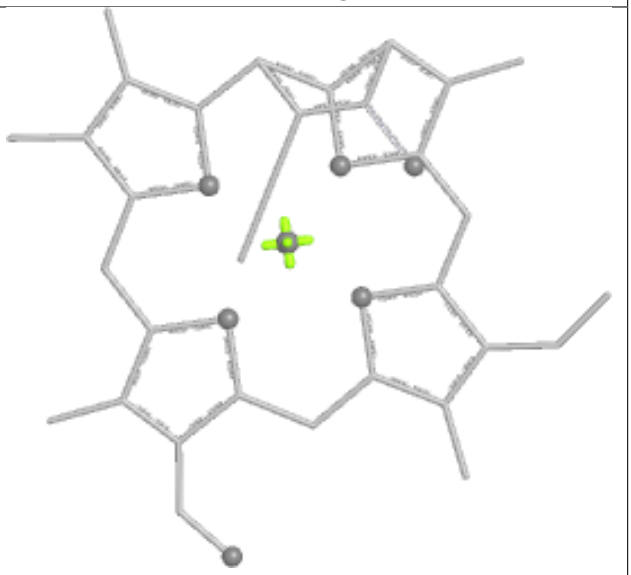
Bond lengths



Bond angles

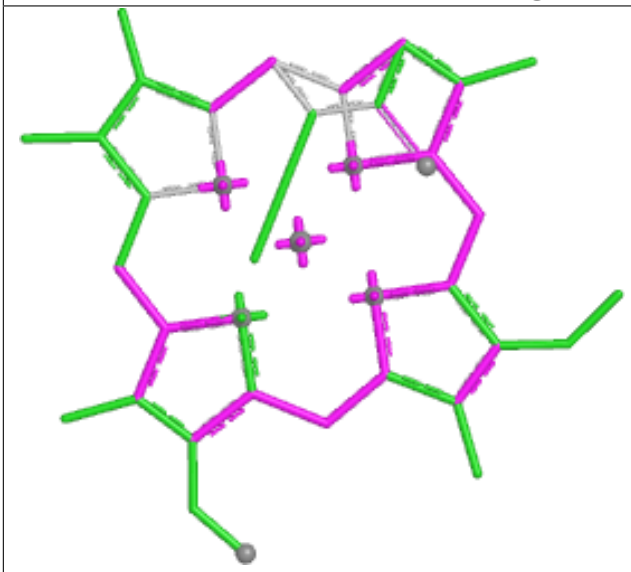


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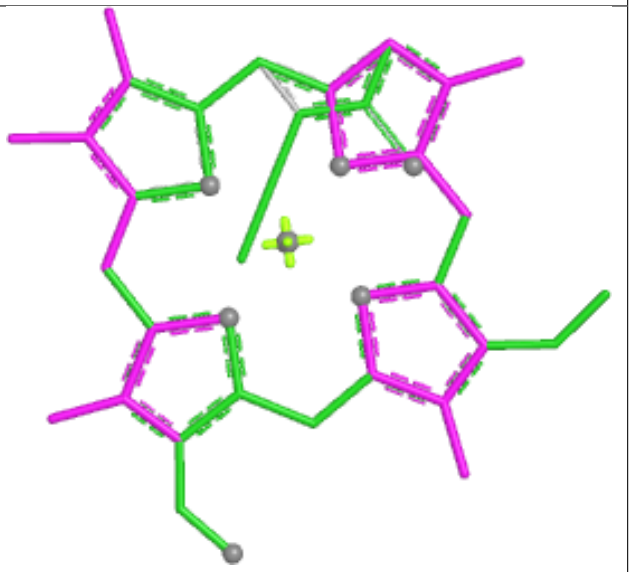


Rings

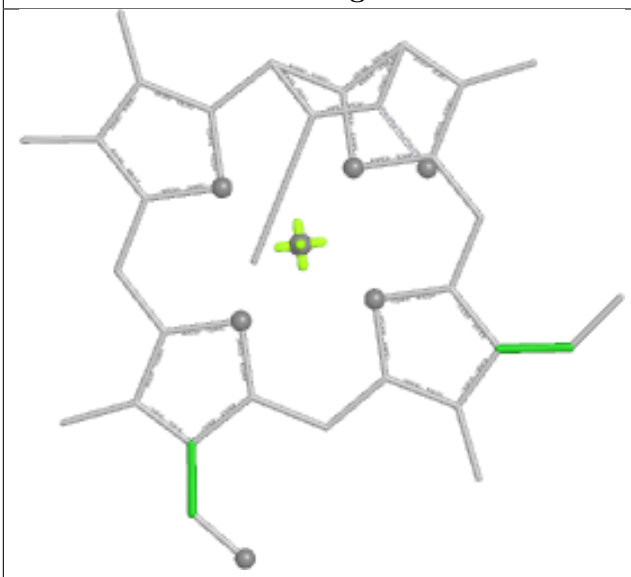
Ligand CL7 A 814



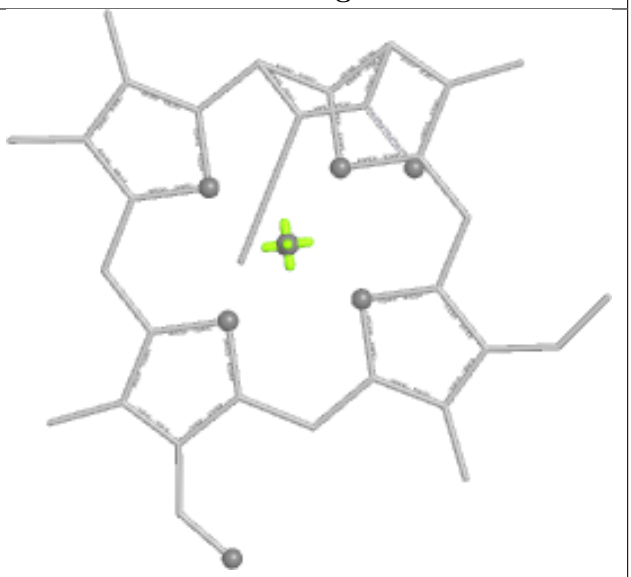
Bond lengths



Bond angles

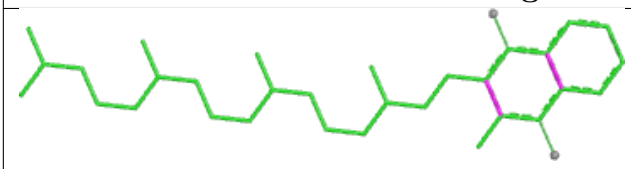


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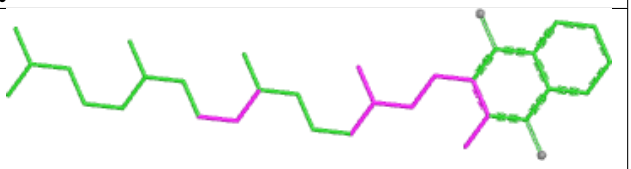


Rings

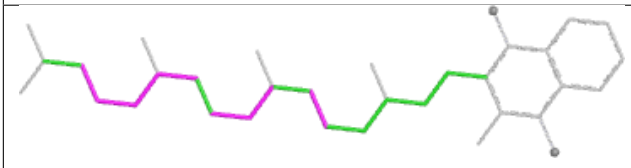
Ligand PQN A 830



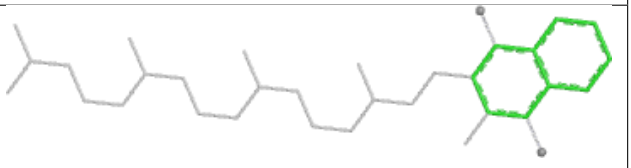
Bond lengths



Bond angles

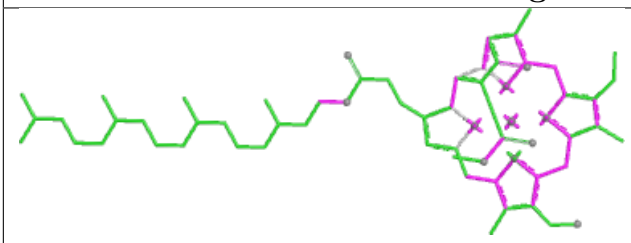


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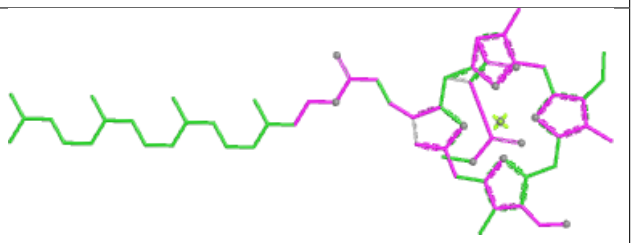


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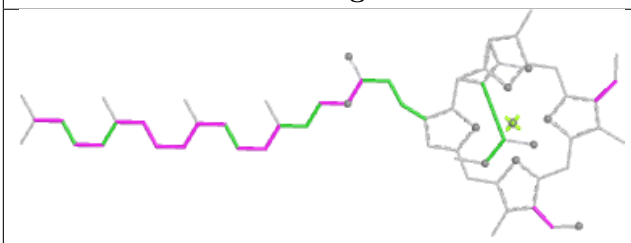
Ligand CL7 B 840



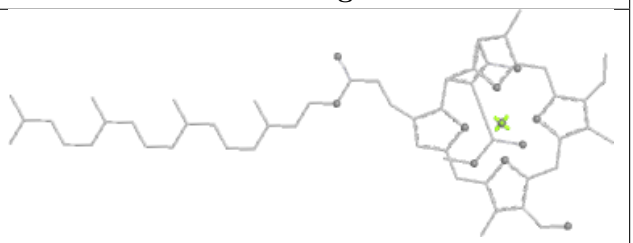
Bond lengths



Bond angles

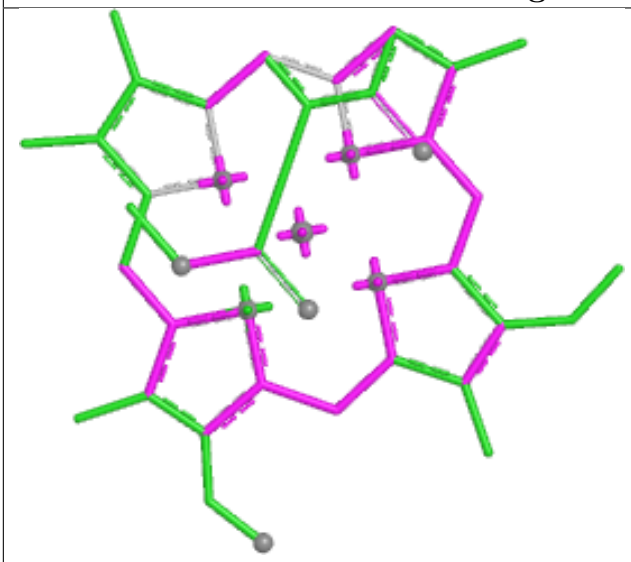


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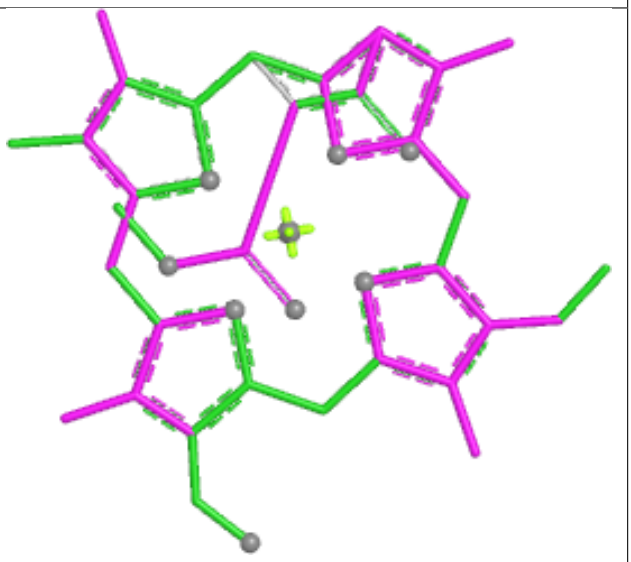


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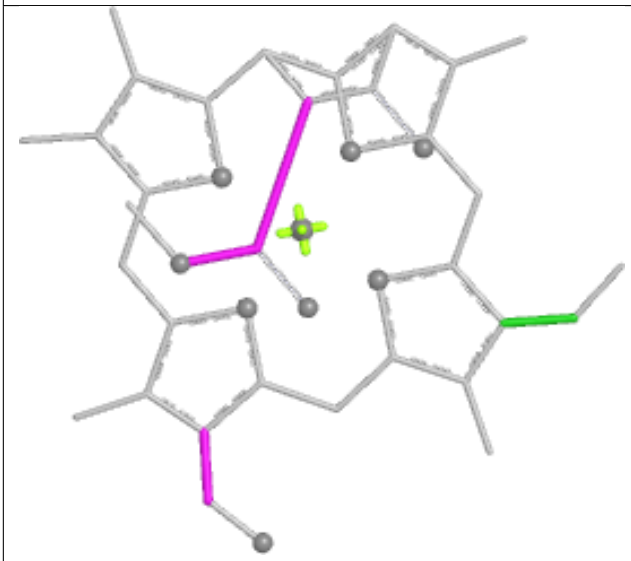
Ligand CL7 A 855



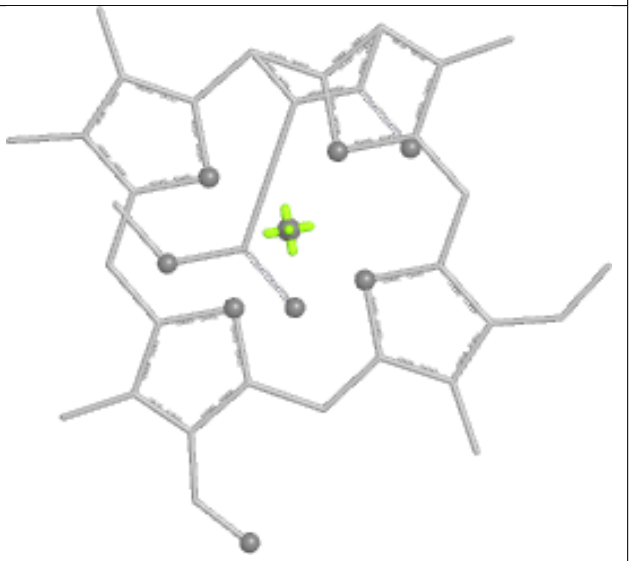
Bond lengths



Bond angles

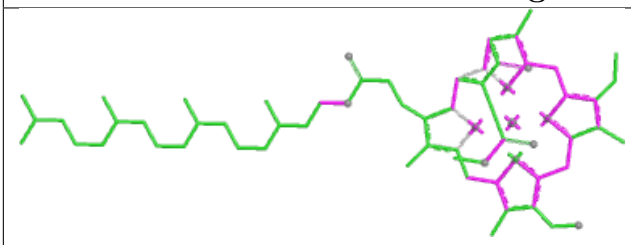


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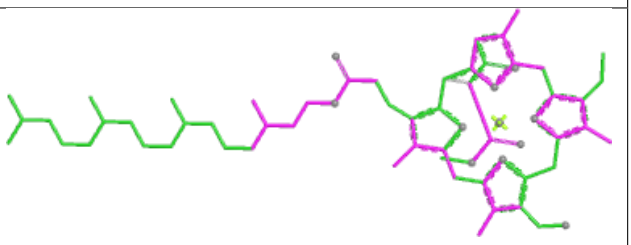


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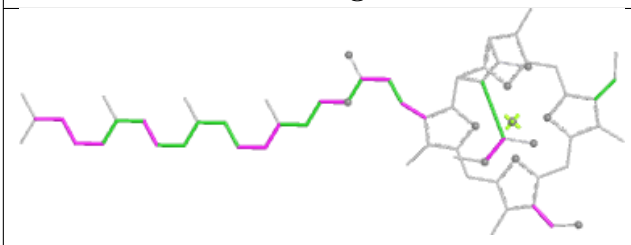
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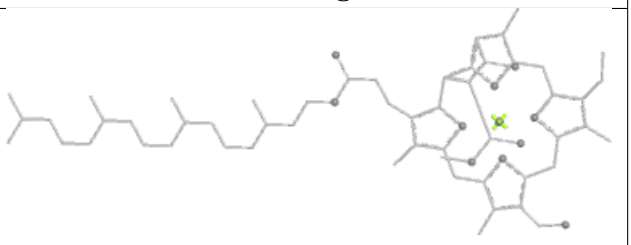
Bond lengths



Bond angles

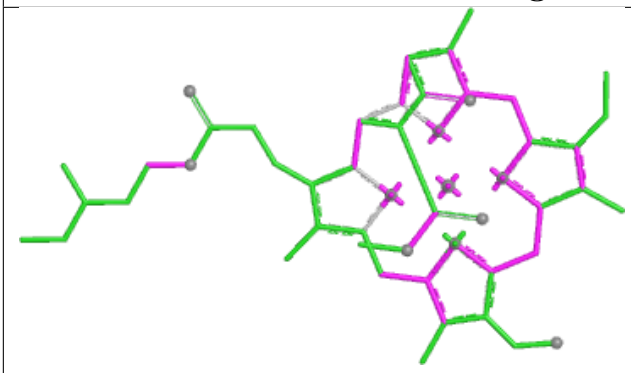


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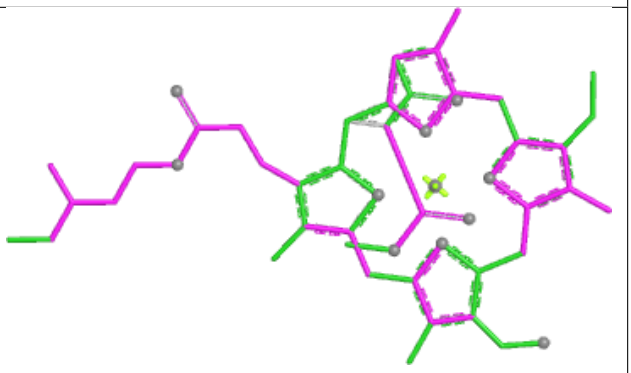


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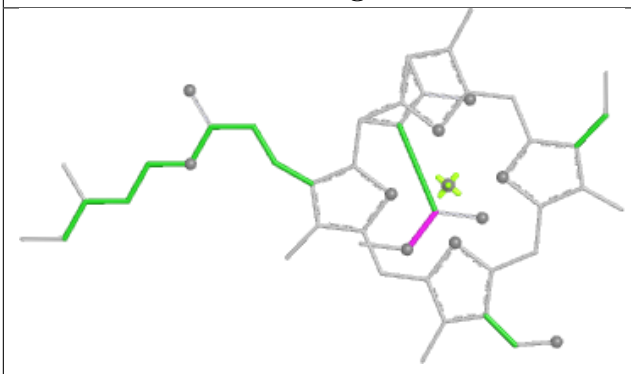
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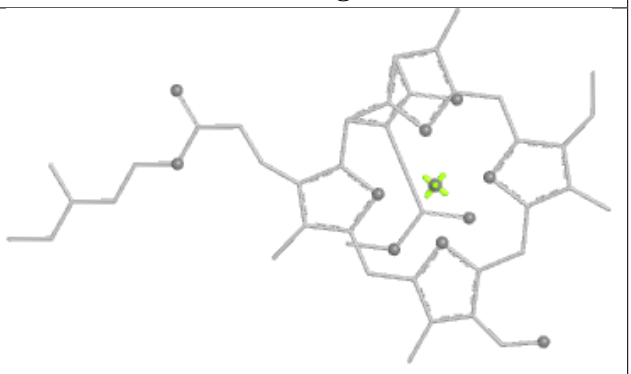
Bond lengths



Bond angles

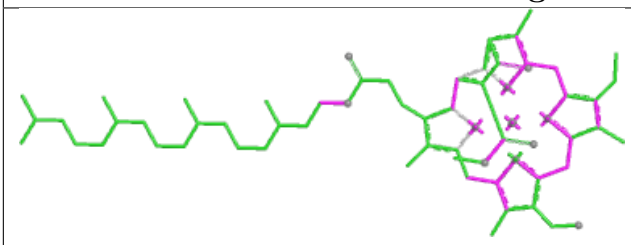


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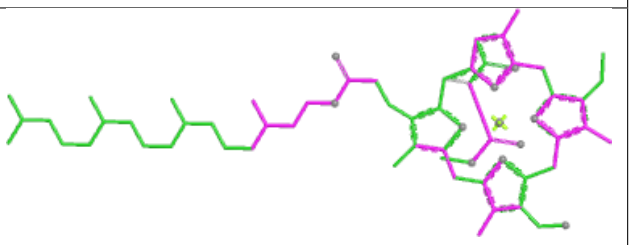


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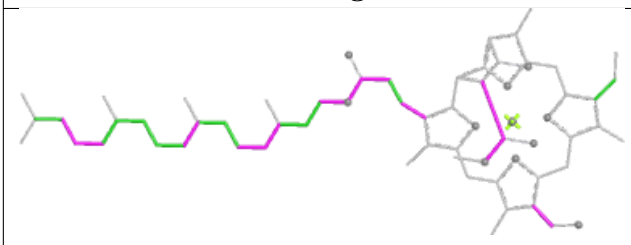
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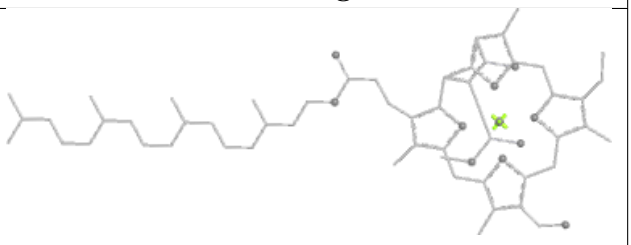
Bond lengths



Bond angles

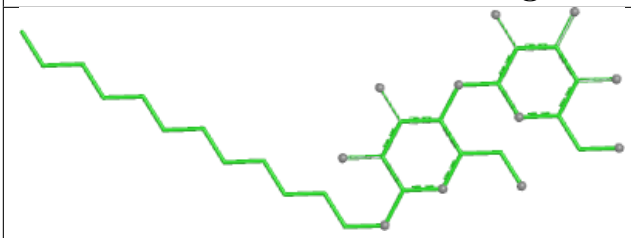


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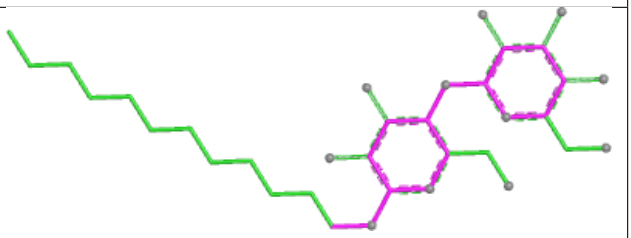


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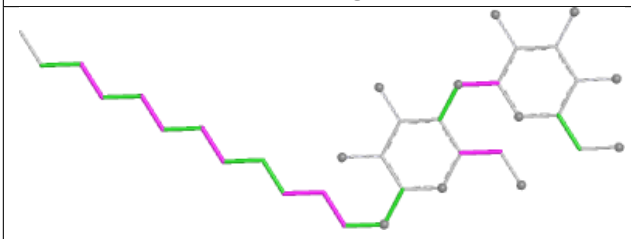
Ligand LMT B 832



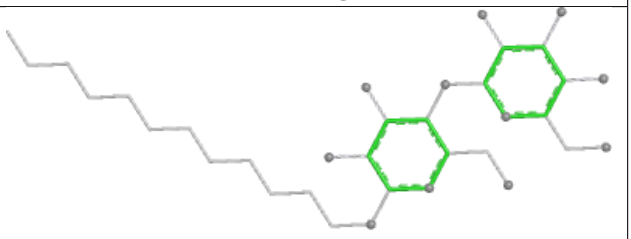
Bond lengths



Bond angles

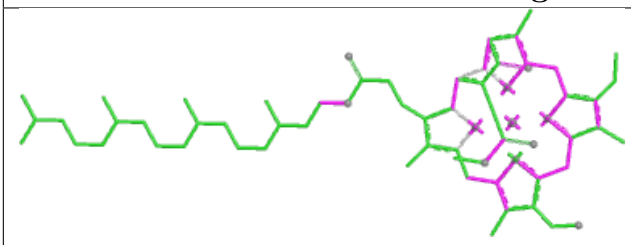


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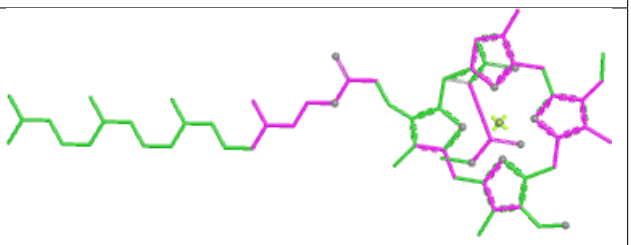


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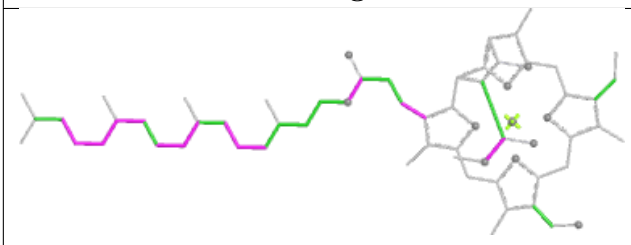
Ligand CL7 L 204



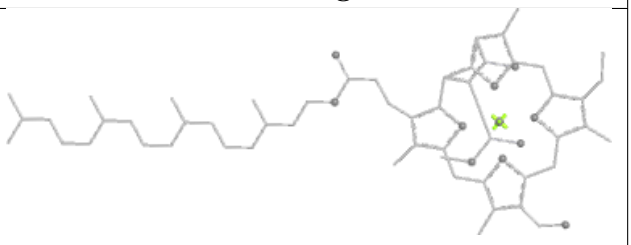
Bond lengths



Bond angles

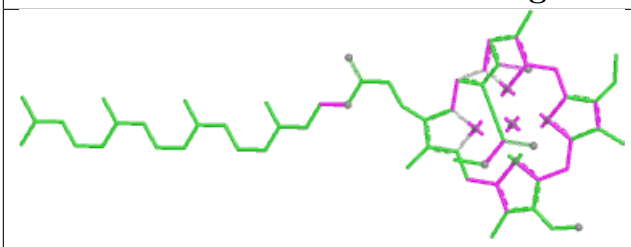


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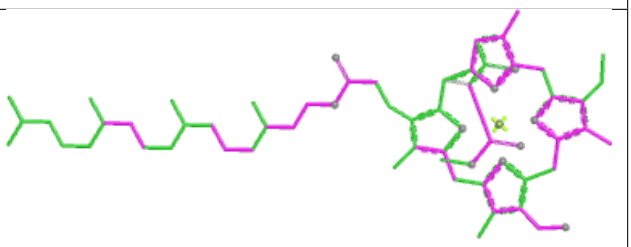


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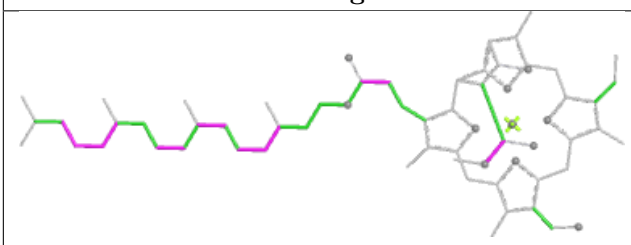
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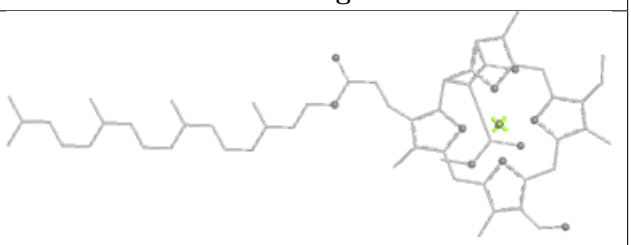
Bond lengths



Bond angles

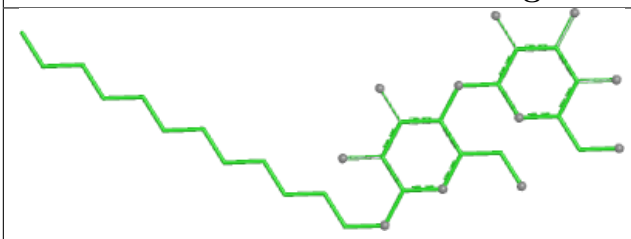


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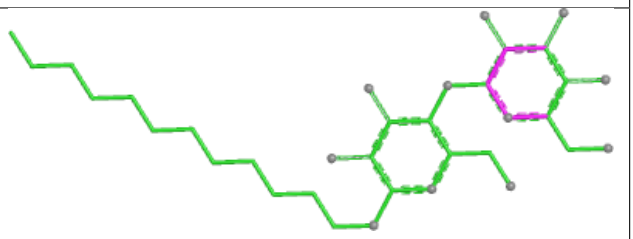


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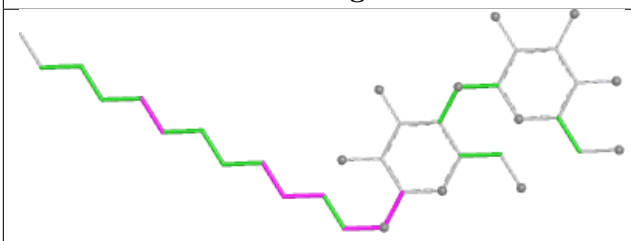
Ligand LMT L 206



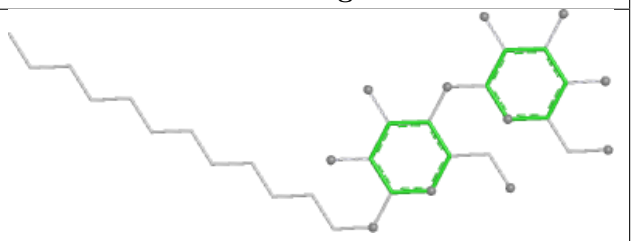
Bond lengths



Bond angles

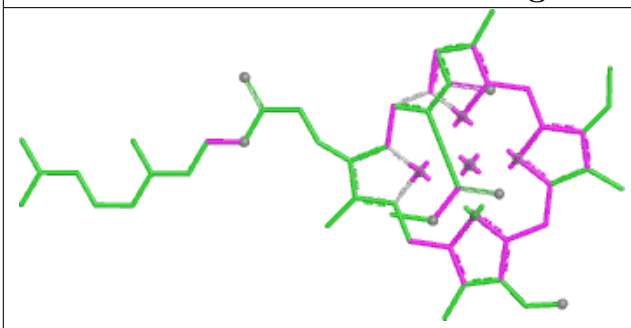


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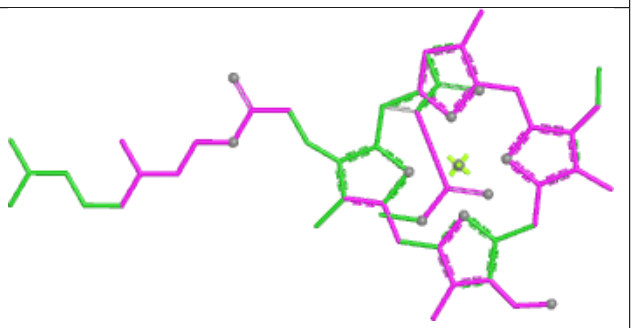


Rings

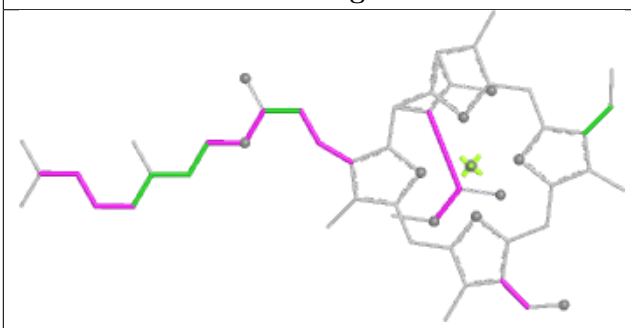
Ligand CL7 A 810



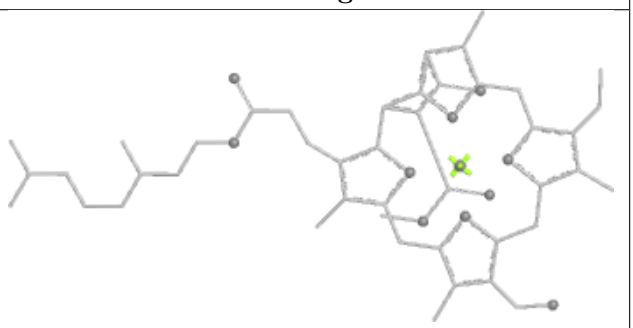
Bond lengths



Bond angles

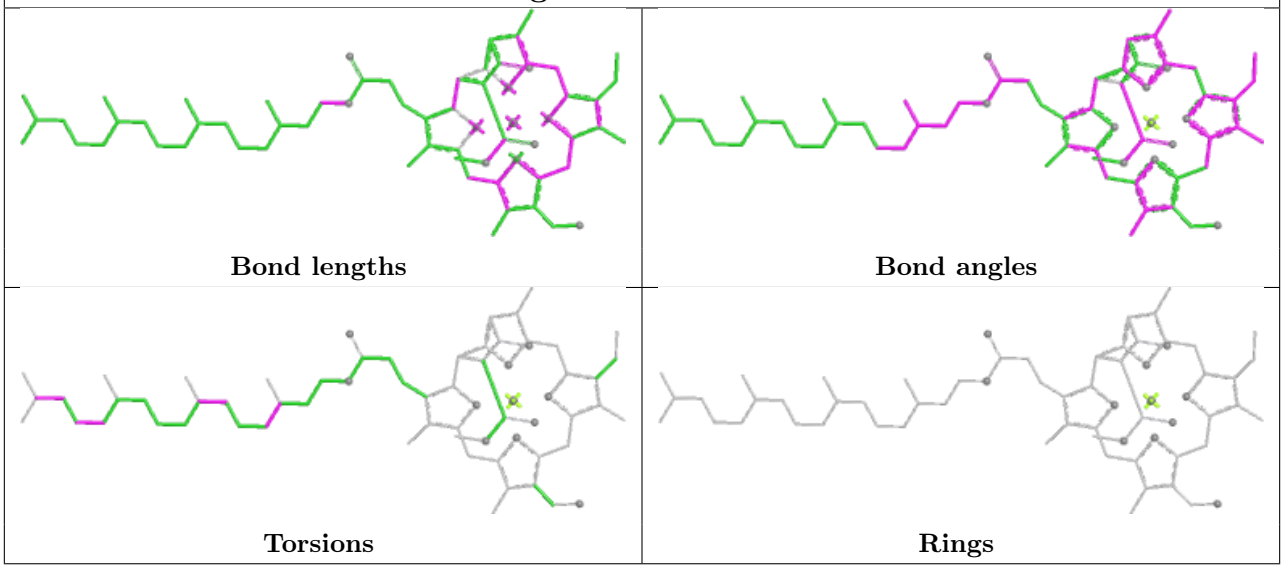


Torsions

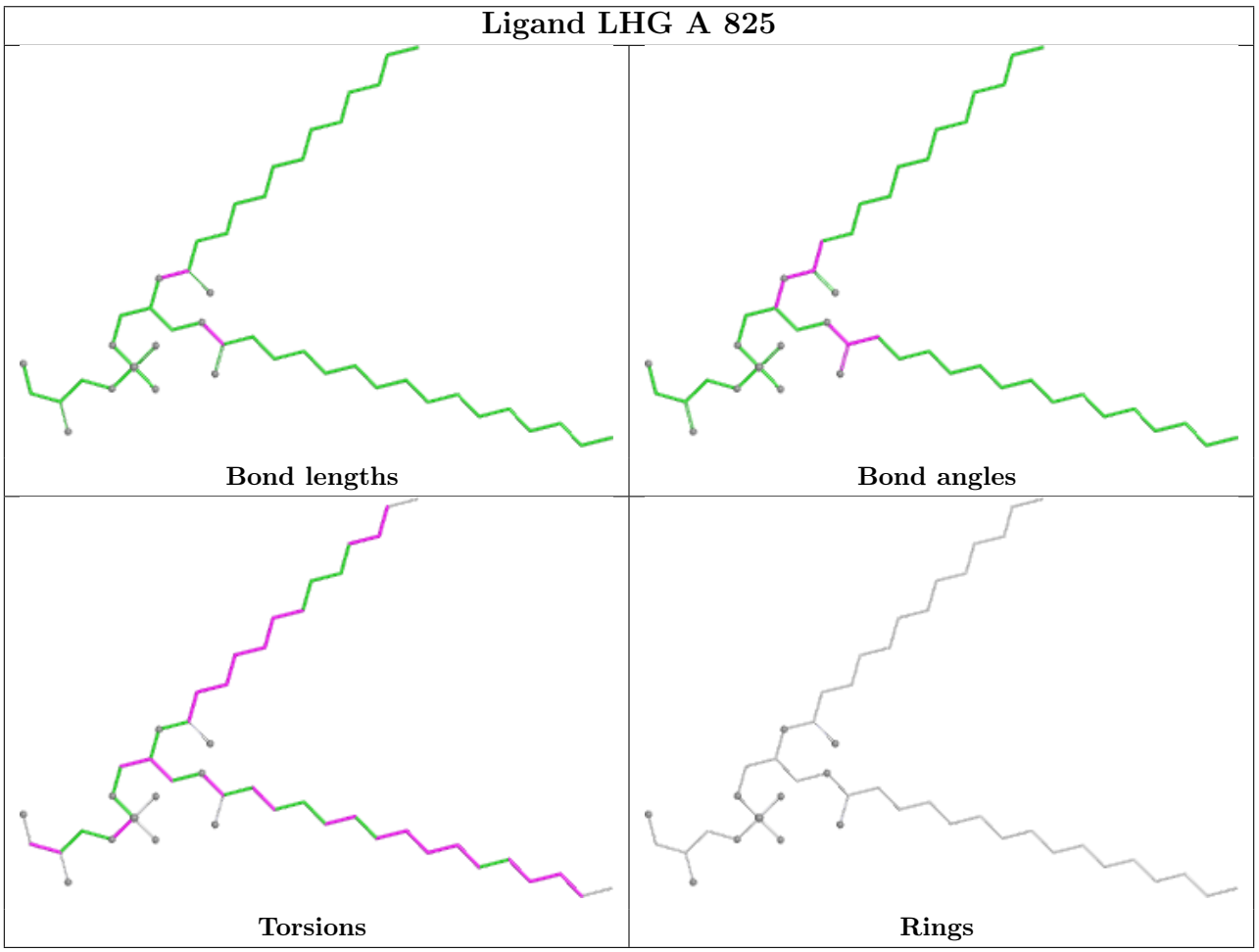


Rings

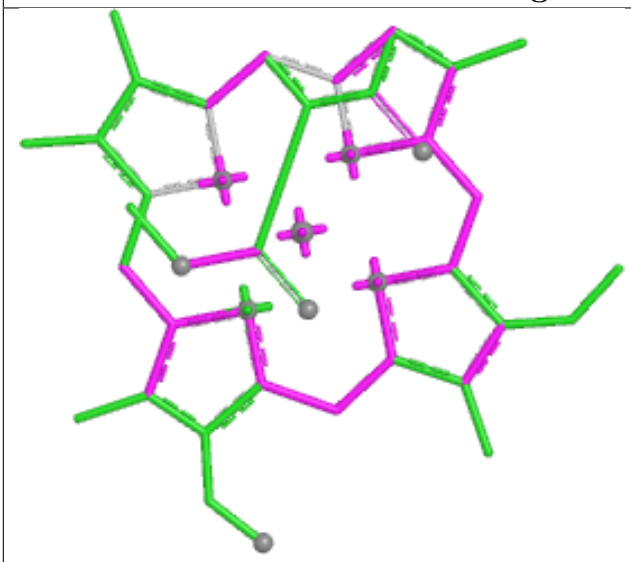
Ligand CL7 B 805



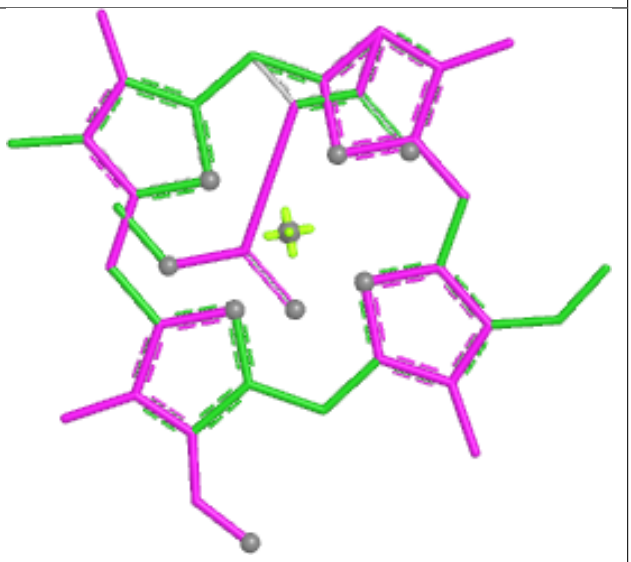
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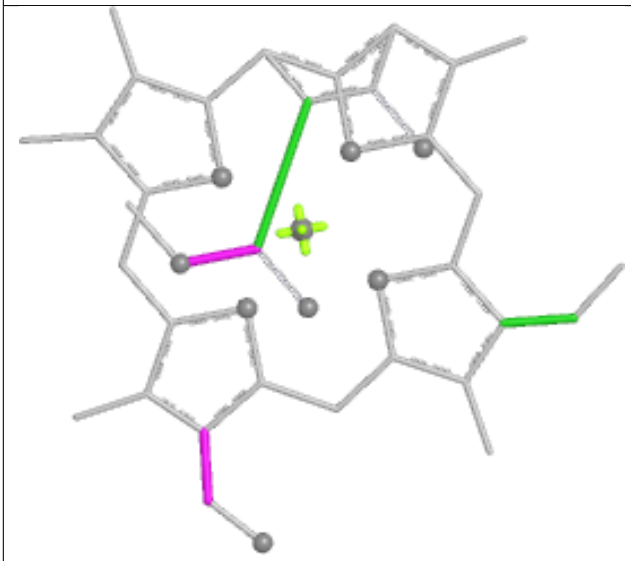
Ligand CL7 F 201



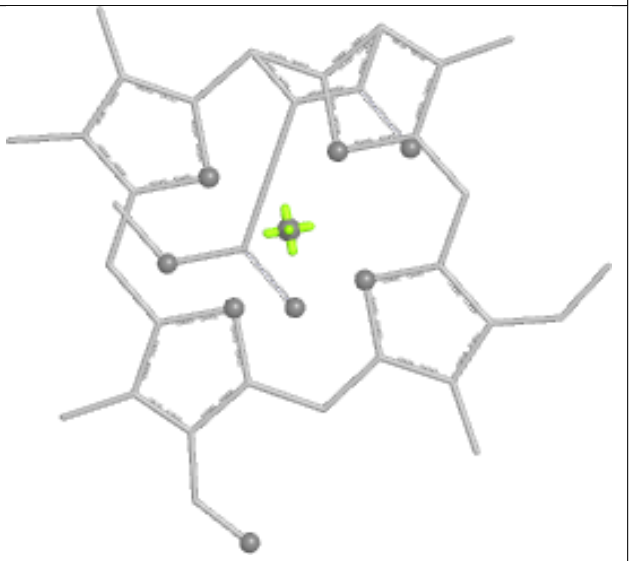
Bond lengths



Bond angles

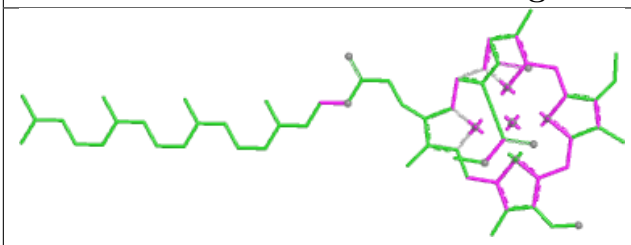


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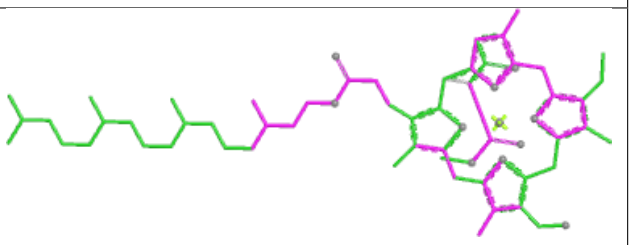


Rings

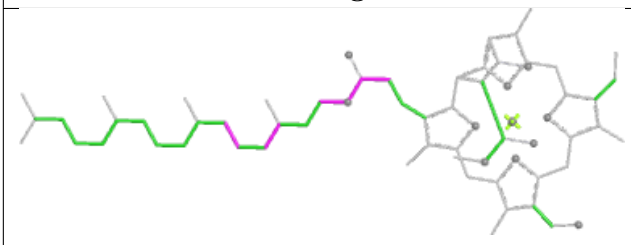
Ligand CL7 A 840



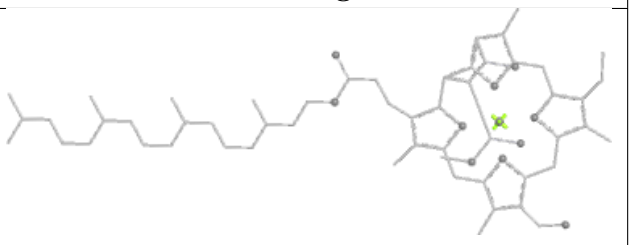
Bond lengths



Bond angles

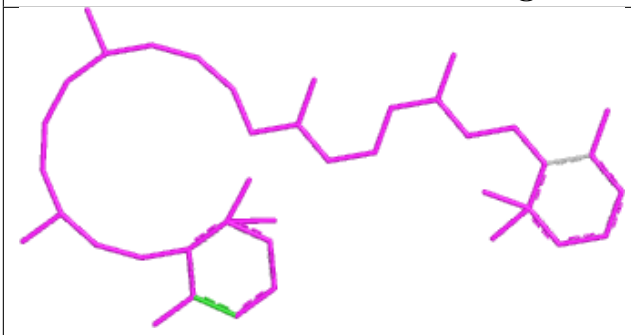


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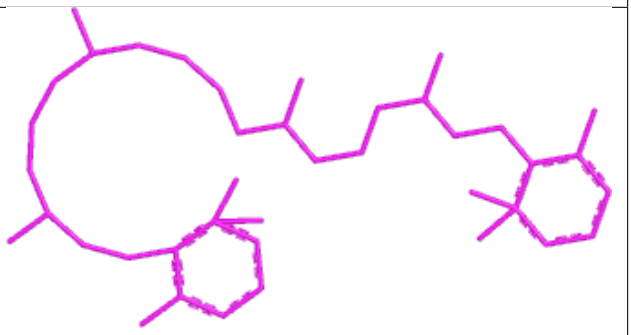


Rings

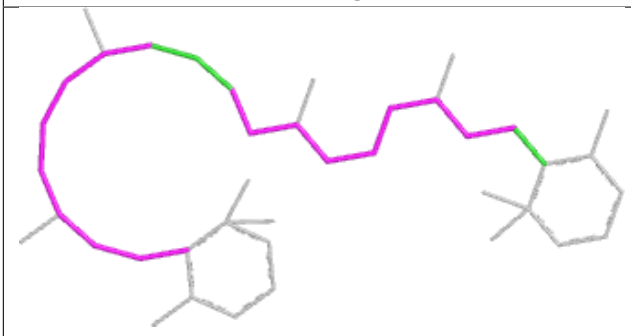
Ligand WVN L 202



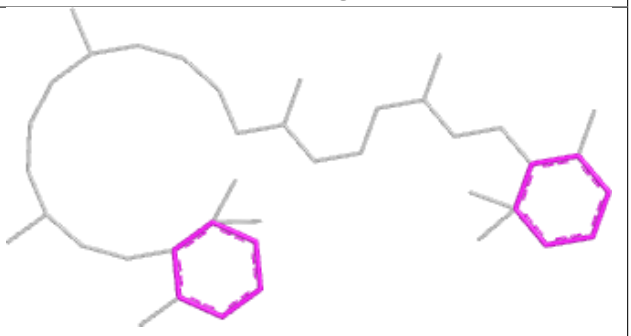
Bond lengths



Bond angles

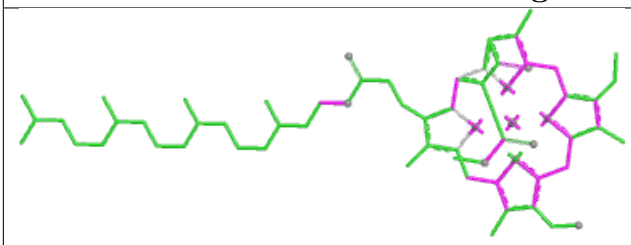


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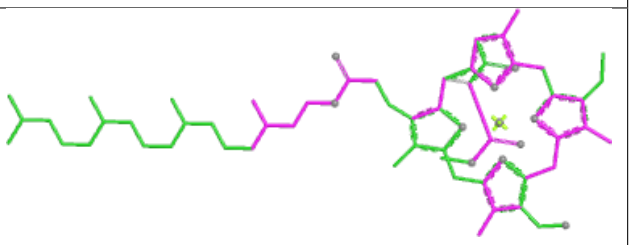


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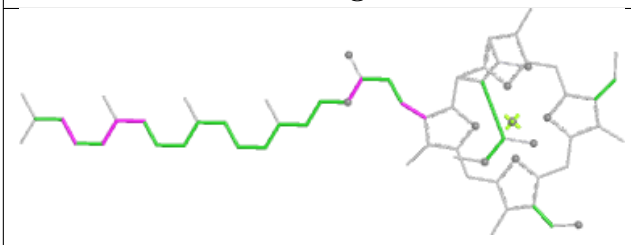
Ligand CL7 L 205



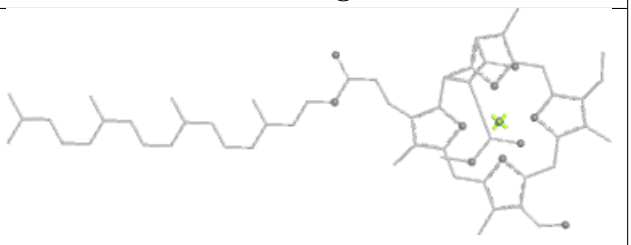
Bond lengths



Bond angles

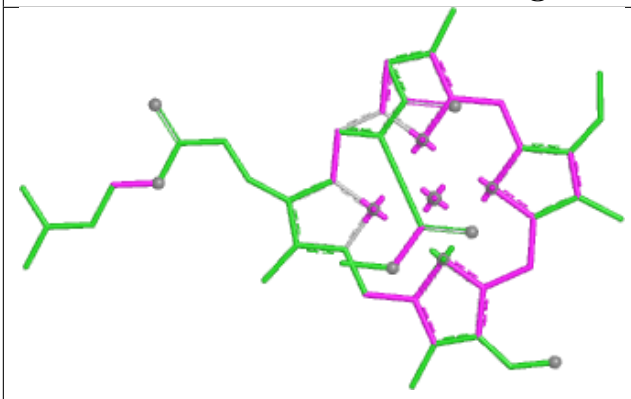


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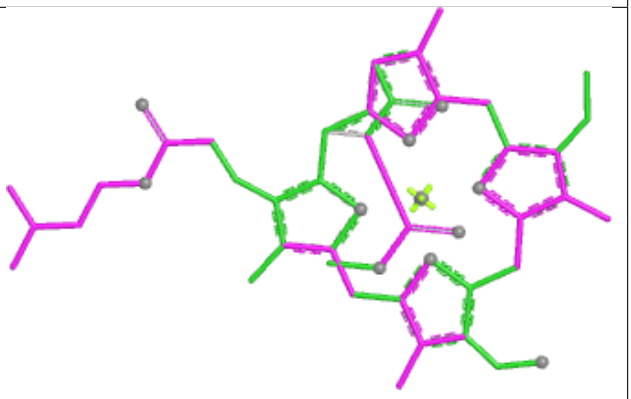


Rings

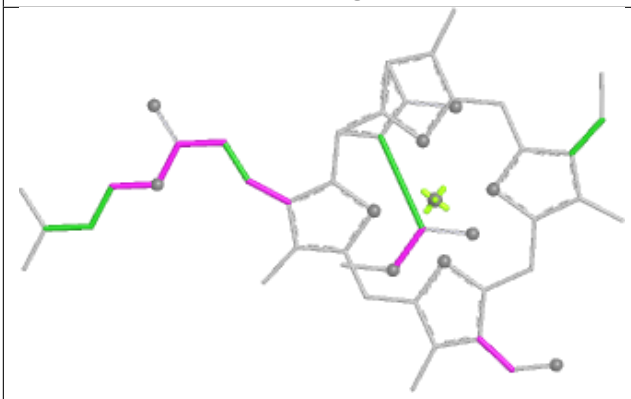
Ligand CL7 B 817



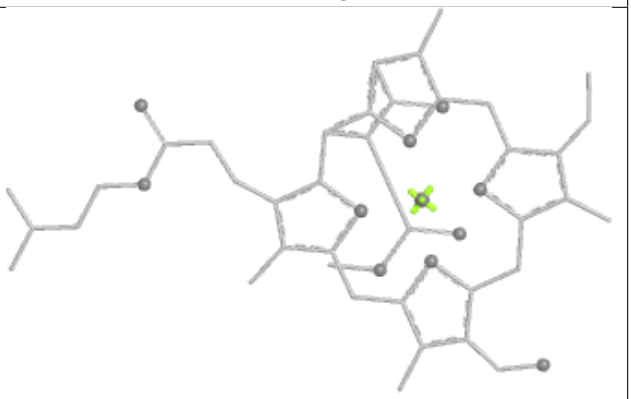
Bond lengths



Bond angles

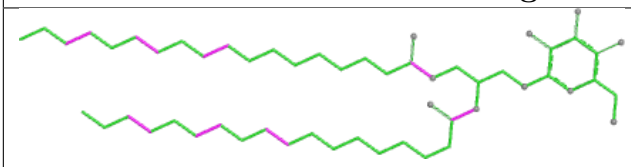


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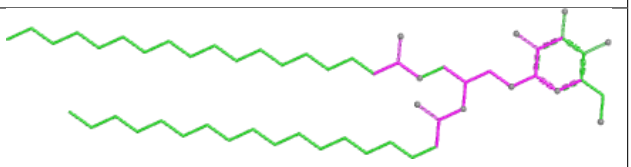


Rings

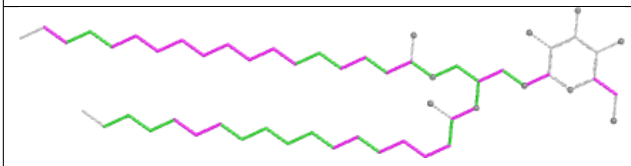
Ligand LMG B 825



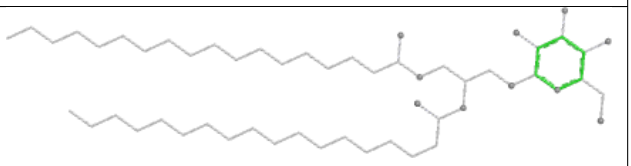
Bond lengths



Bond angles



Torsions

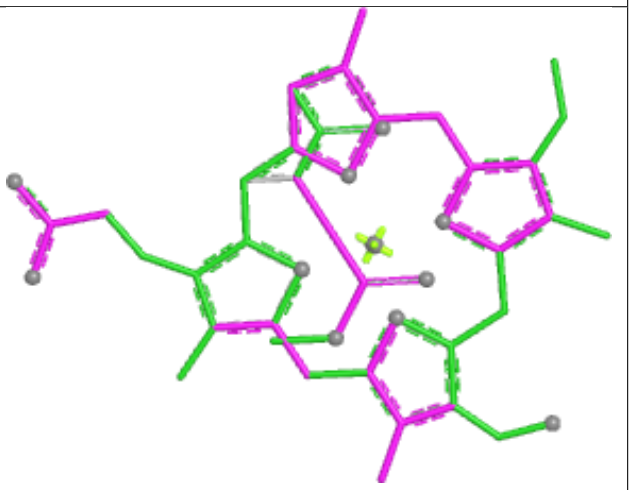


Rings

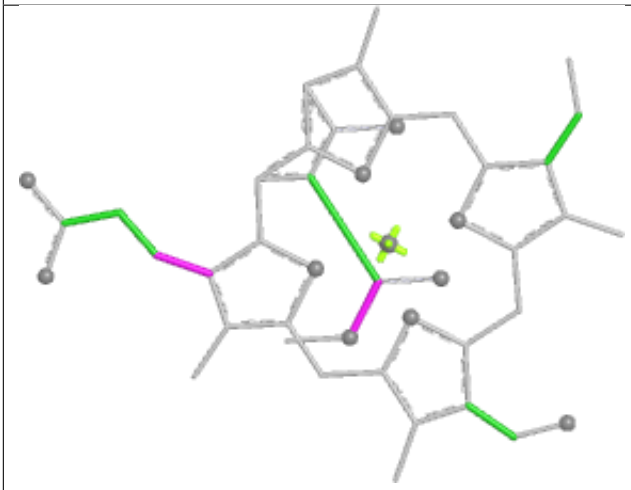
Ligand CL7 B 809



Bond lengths



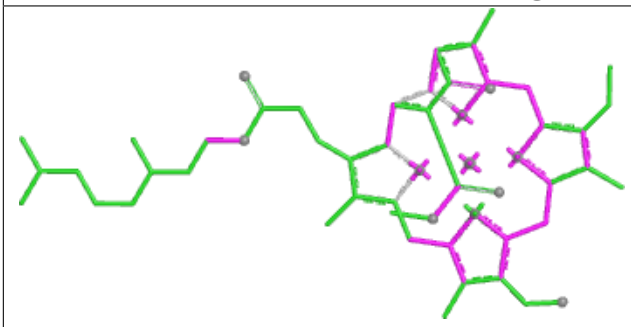
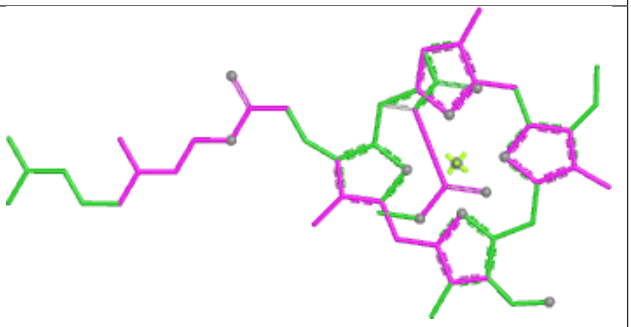
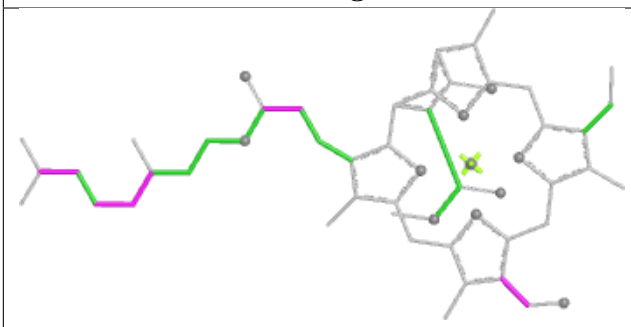
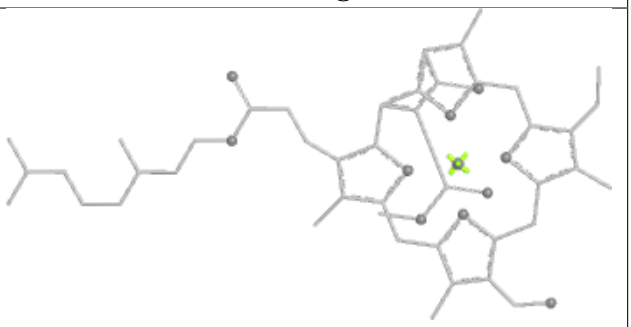
Bond angles

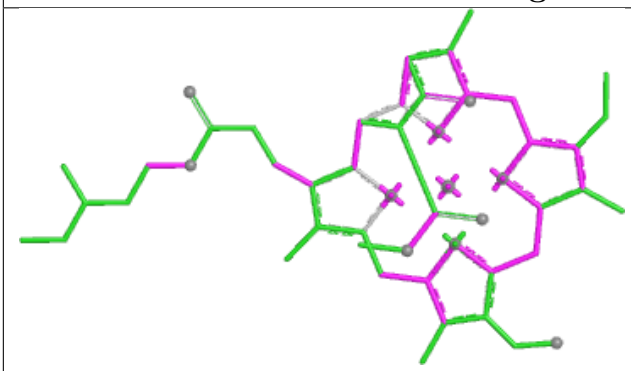
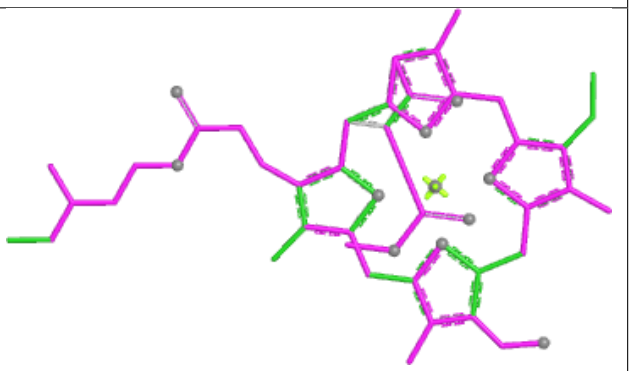
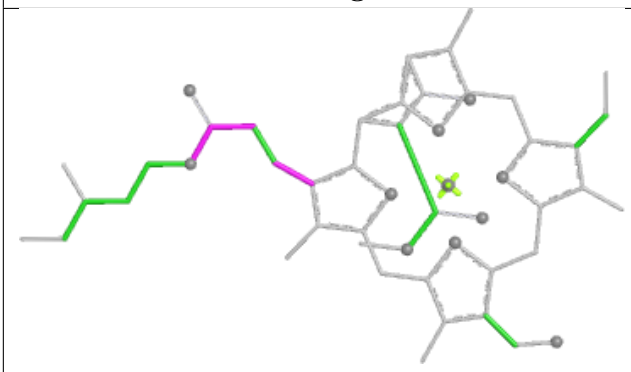
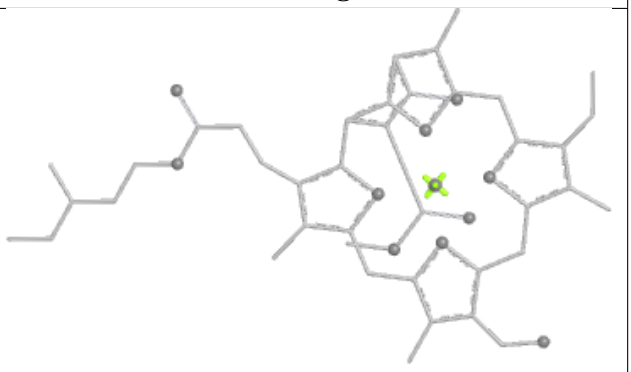


Torsions

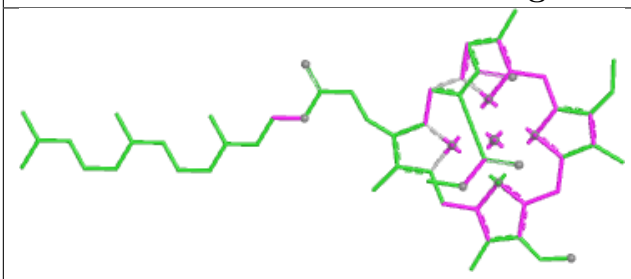


Rings

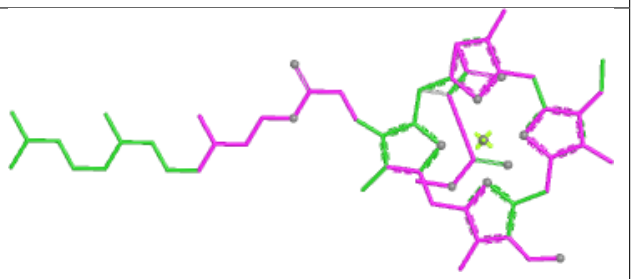
Ligand CL7 A 838	
 Bond lengths	 Bond angles
 Torsions	 Rings

Ligand CL7 B 830	
 Bond lengths	 Bond angles
 Torsions	 Rings

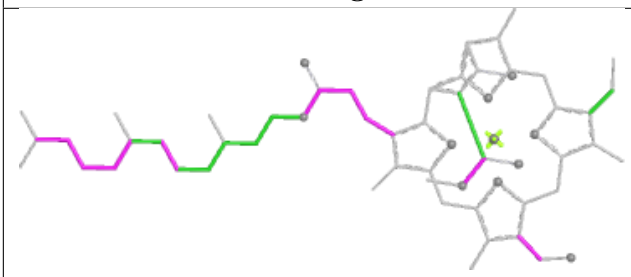
Ligand CL7 A 839



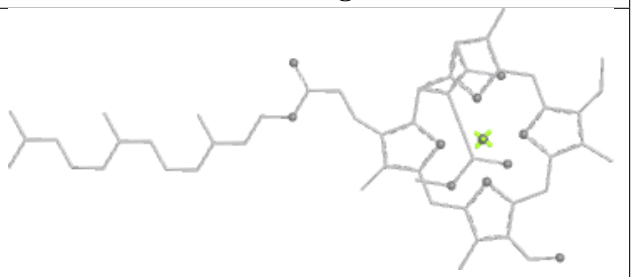
Bond lengths



Bond angles

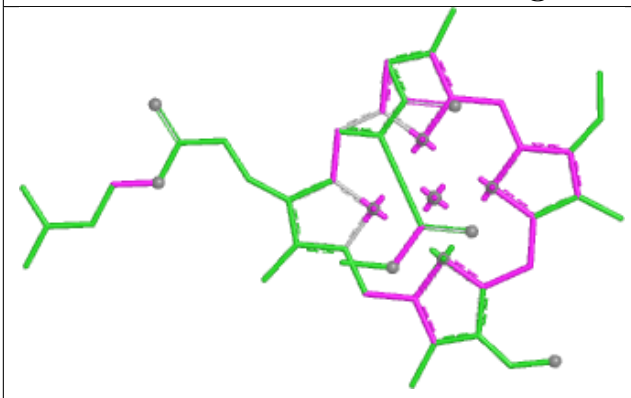


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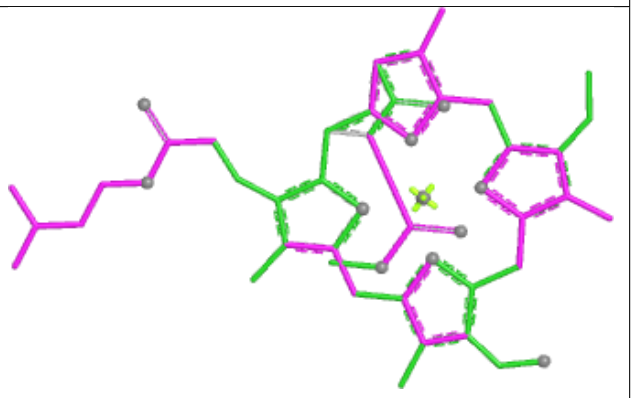


Rings

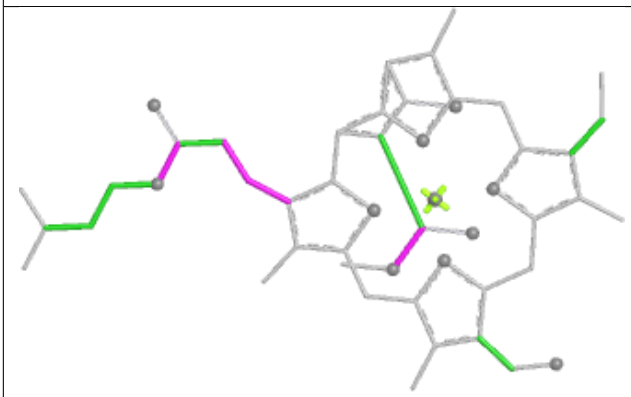
Ligand CL7 B 815



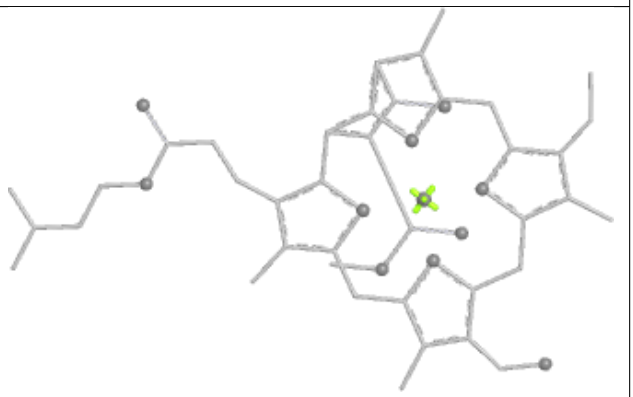
Bond lengths



Bond angles

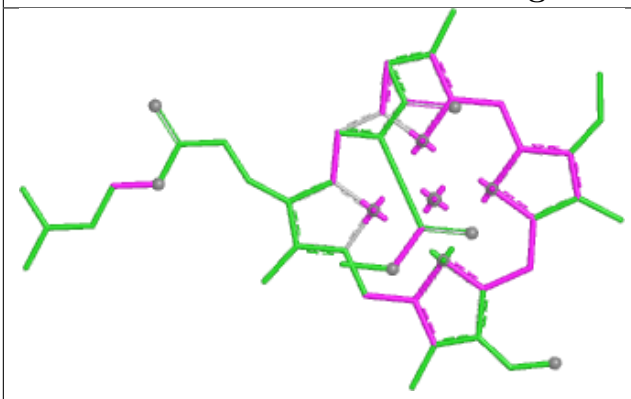


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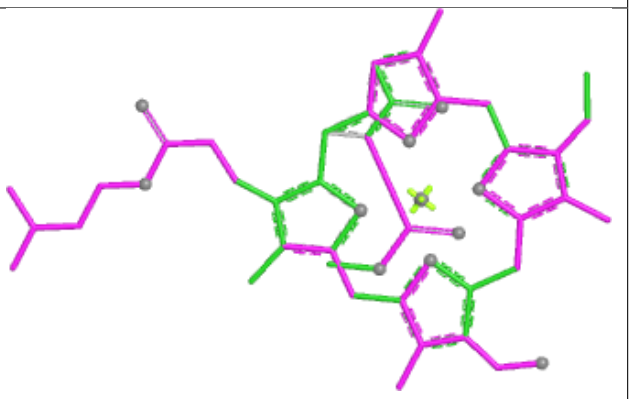


Rings

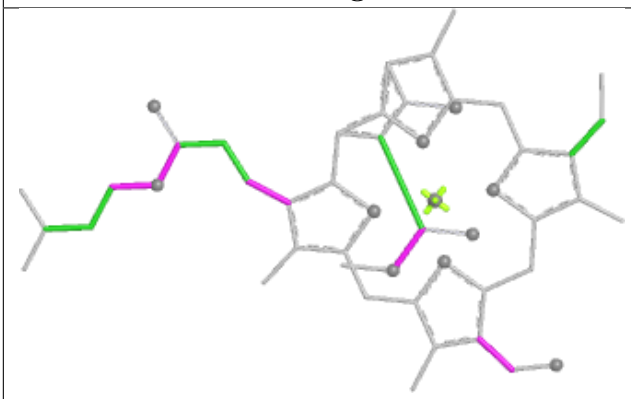
Ligand CL7 A 833



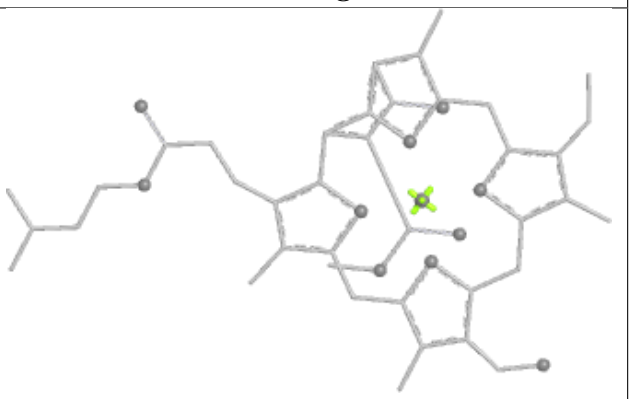
Bond lengths



Bond angles

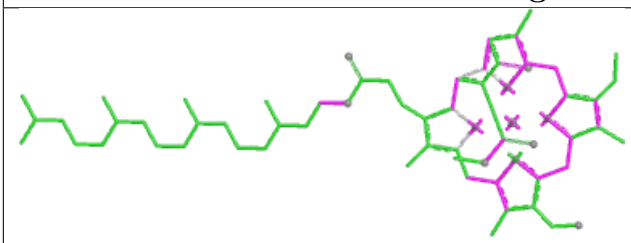


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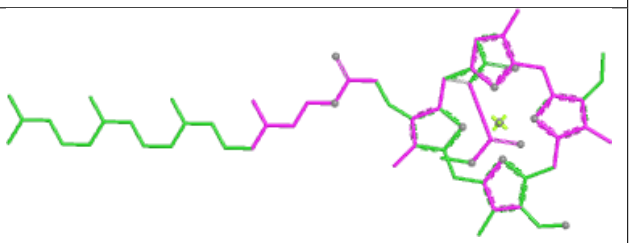


Rings

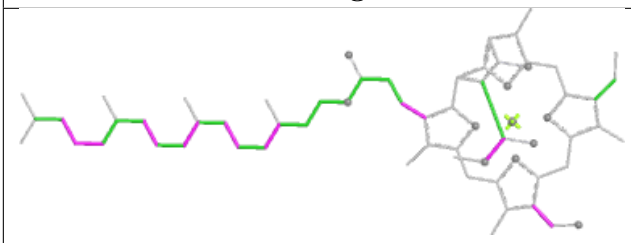
Ligand CL7 B 819



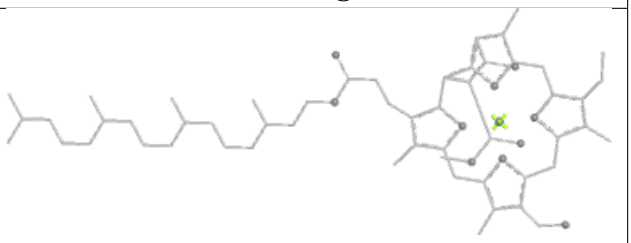
Bond lengths



Bond angles

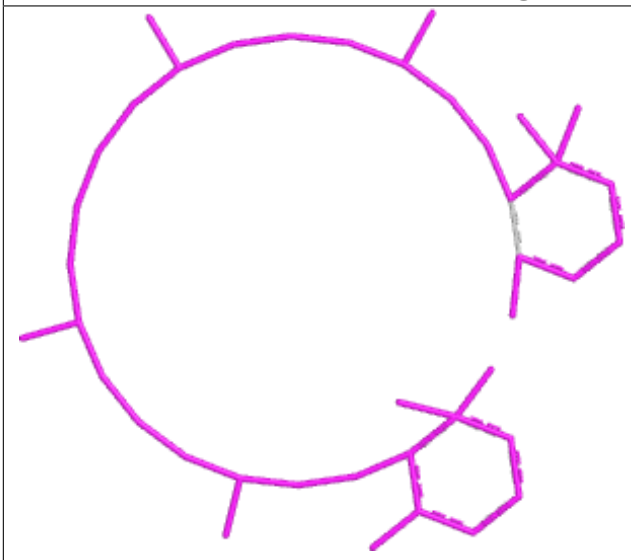


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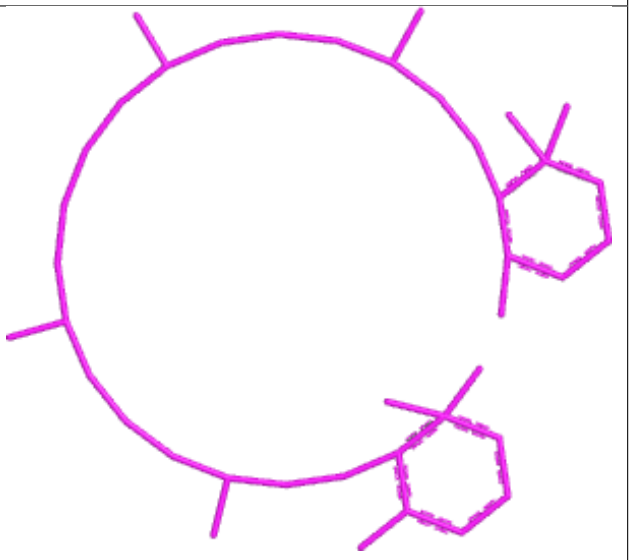


Rings

Ligand WVN A 850



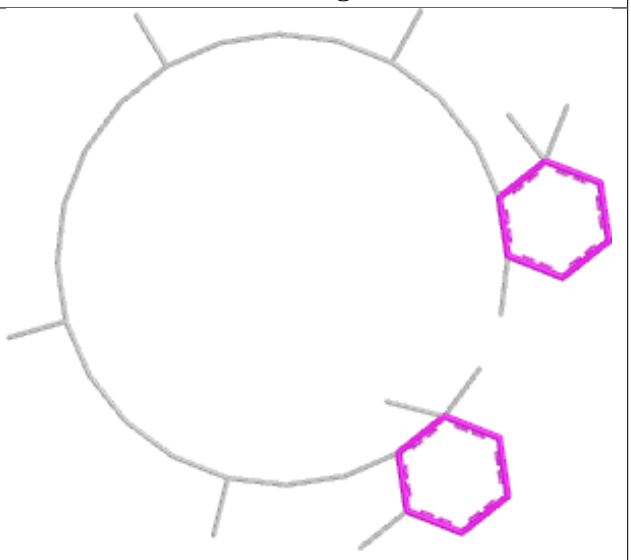
Bond lengths



Bond angles

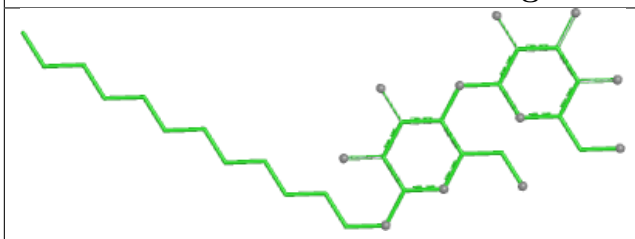


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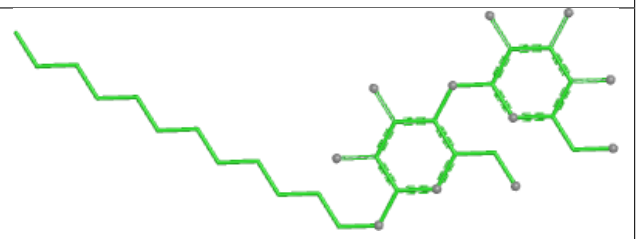


Rings

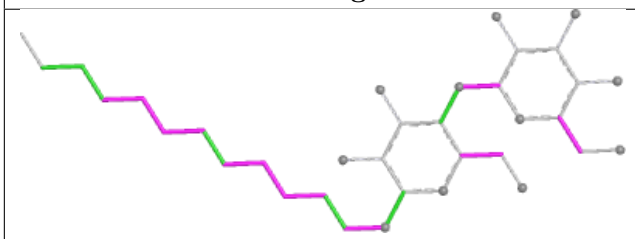
Ligand LMT A 837



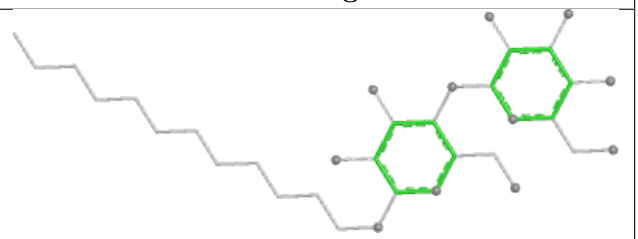
Bond lengths



Bond angles

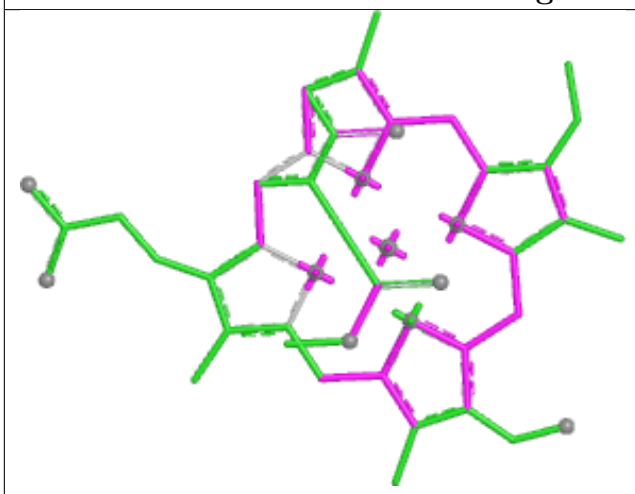


Torsions

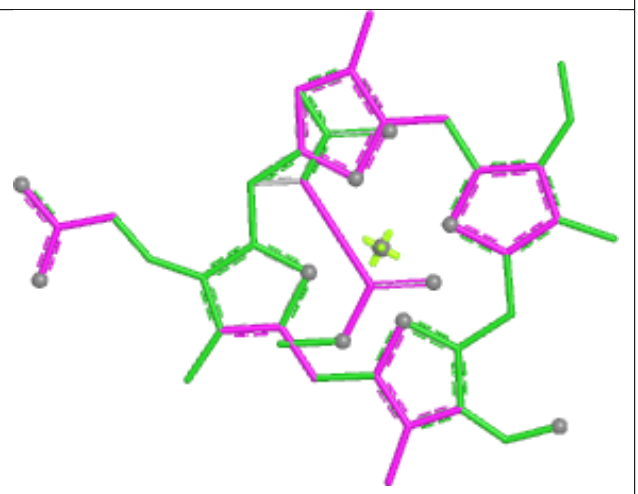


Rings

Ligand CL7 I 101



Bond lengths



Bond angles

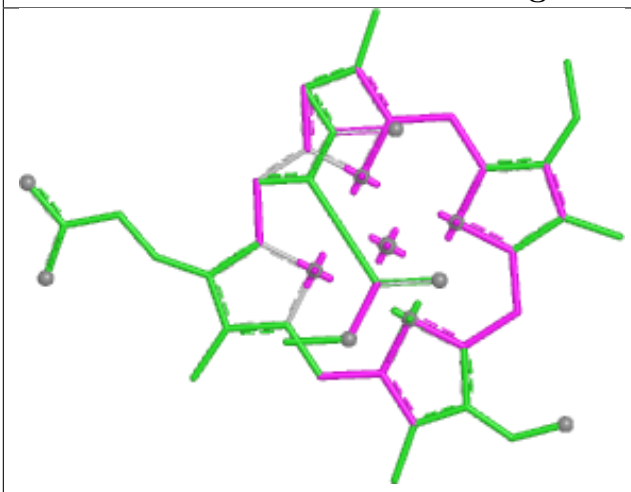


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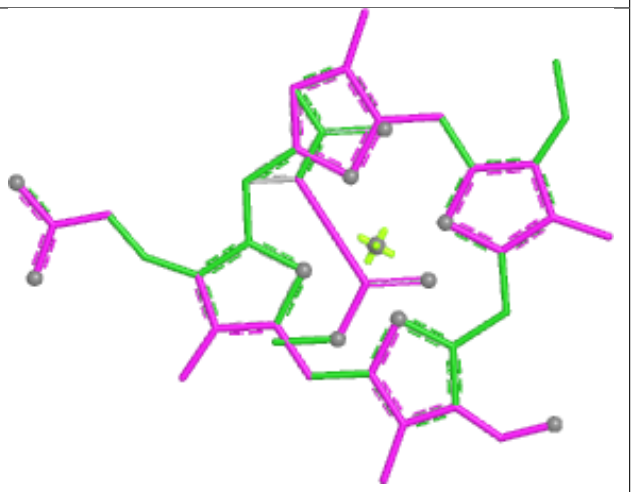


Rings

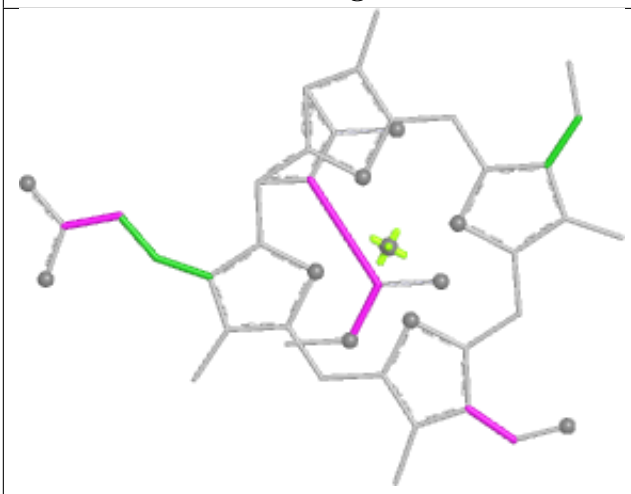
Ligand CL7 B 842



Bond lengths



Bond angles

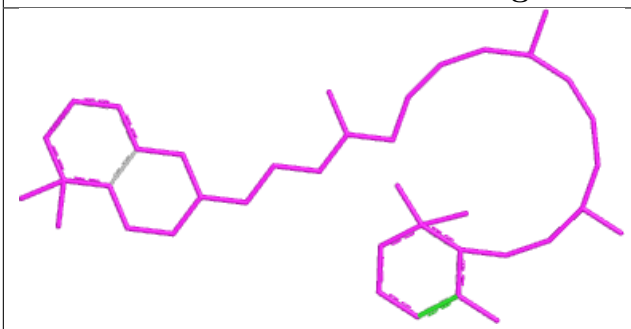


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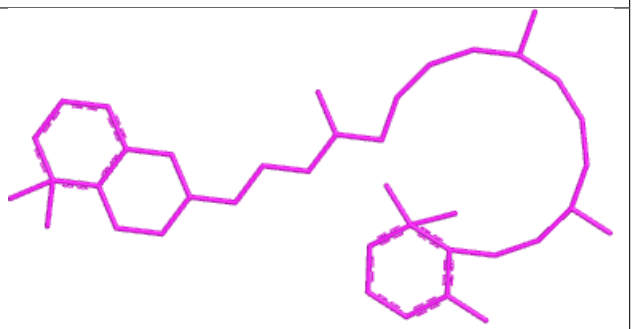


Rings

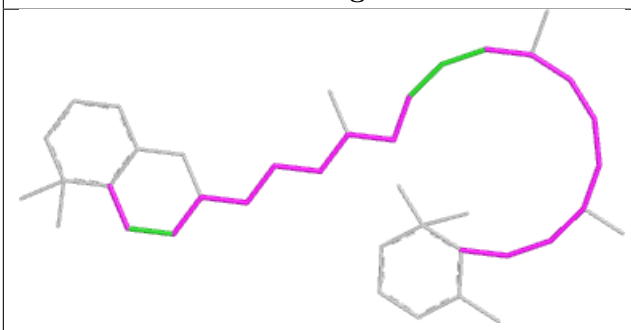
Ligand WVN M 101



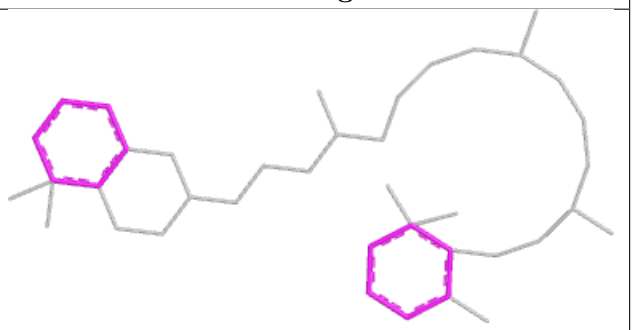
Bond lengths



Bond angles

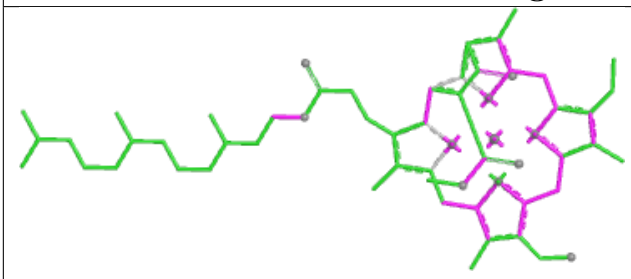


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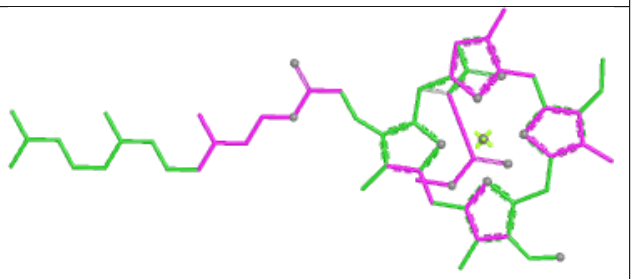


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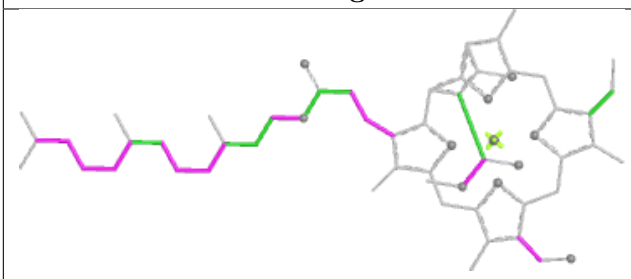
Ligand CL7 A 817



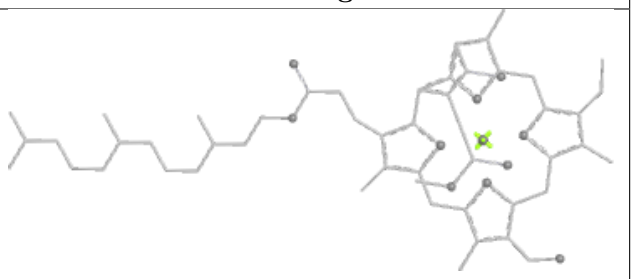
Bond lengths



Bond angles

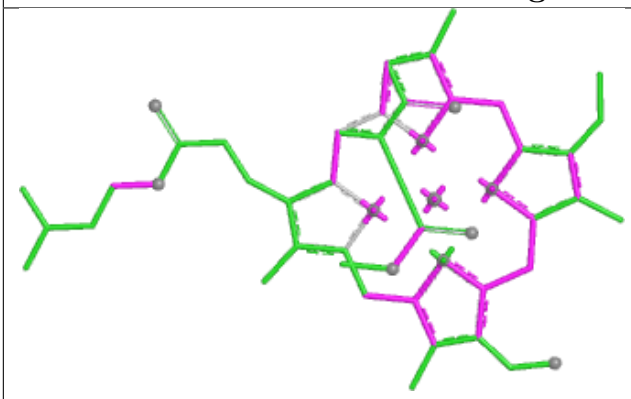


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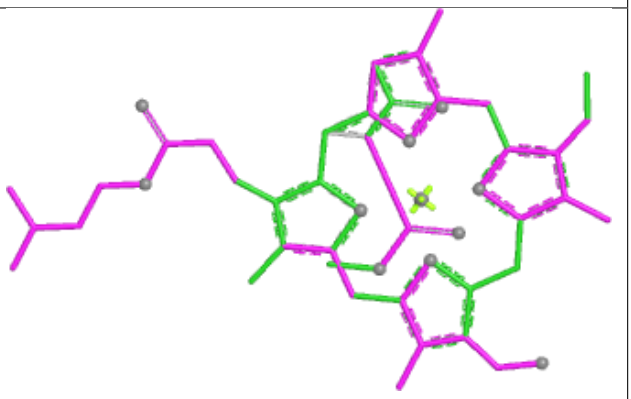


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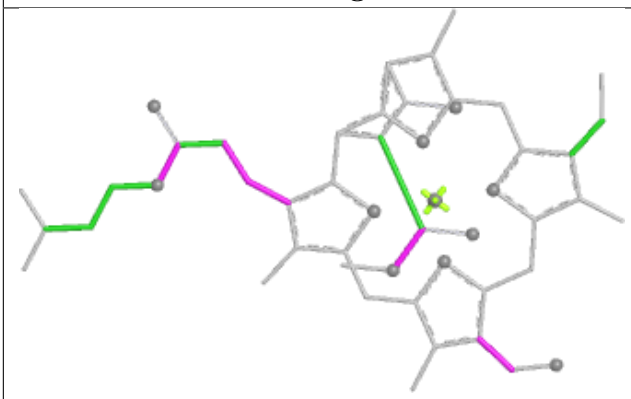
Ligand CL7 A 809



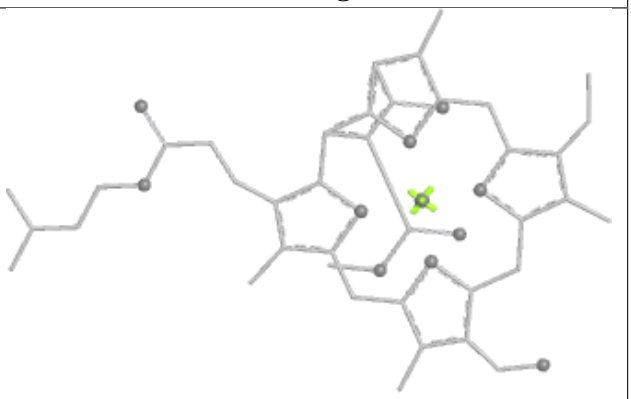
Bond lengths



Bond angles

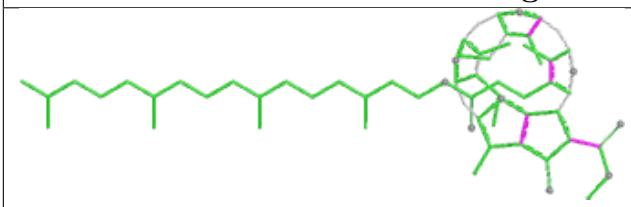


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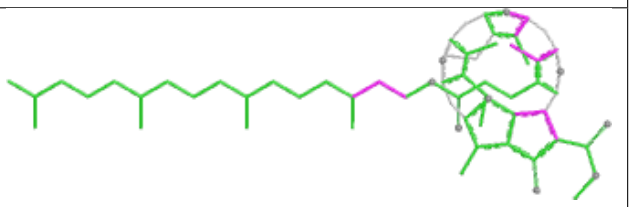


Rings

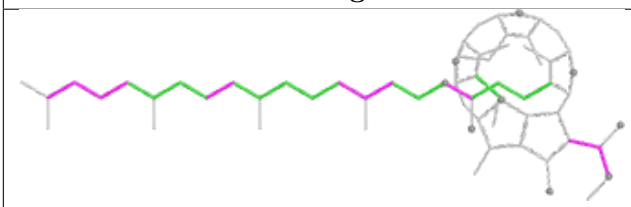
Ligand PHO A 802



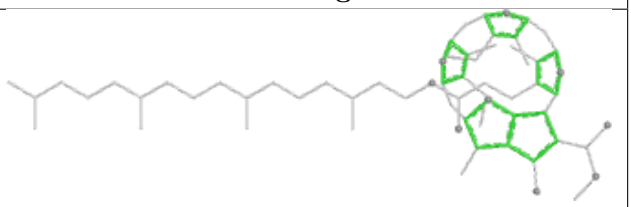
Bond lengths



Bond angles

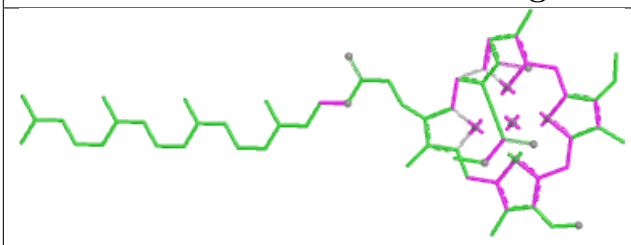


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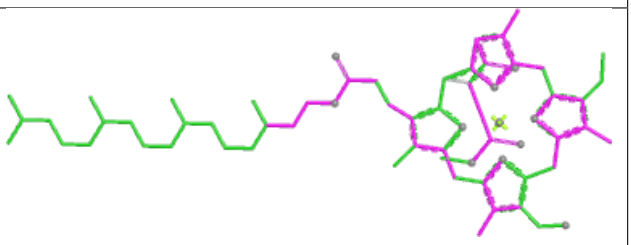


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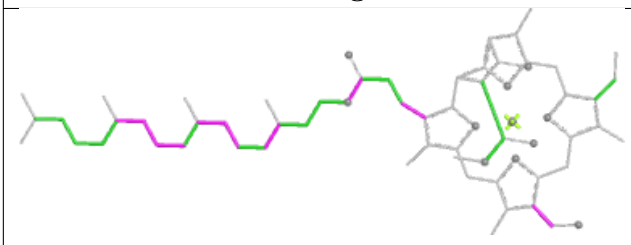
Ligand CL7 B 843



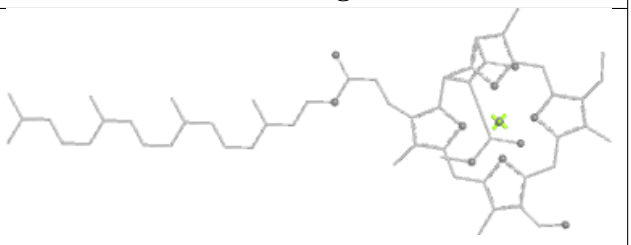
Bond lengths



Bond angles

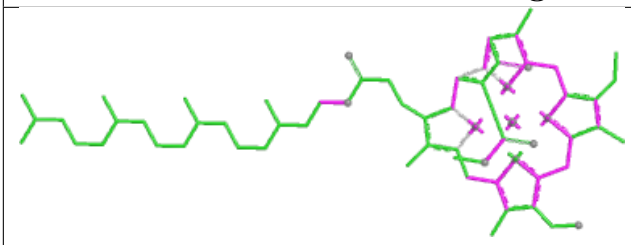


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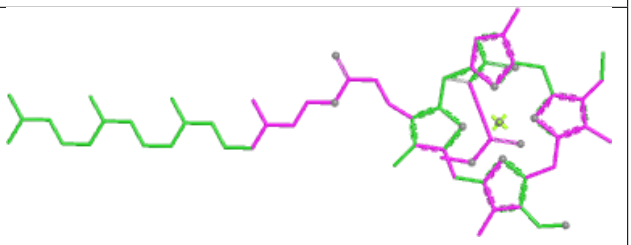


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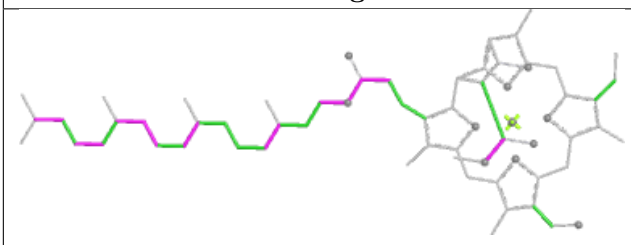
Ligand CL7 A 815



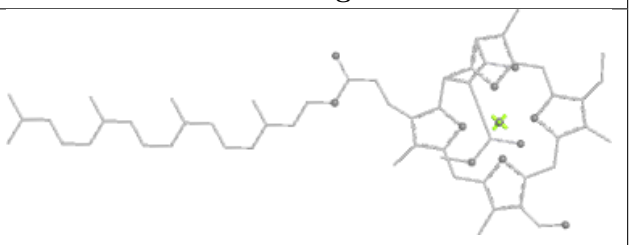
Bond lengths



Bond angles

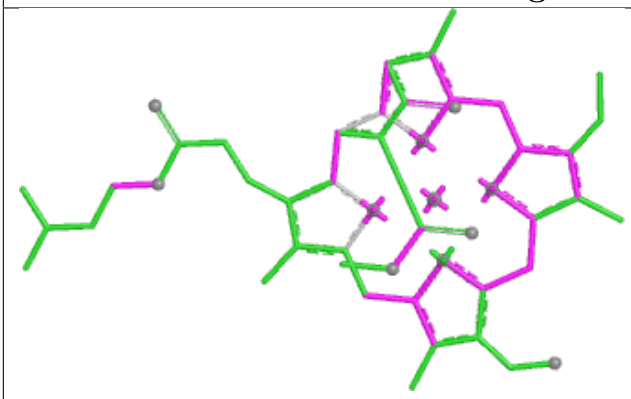


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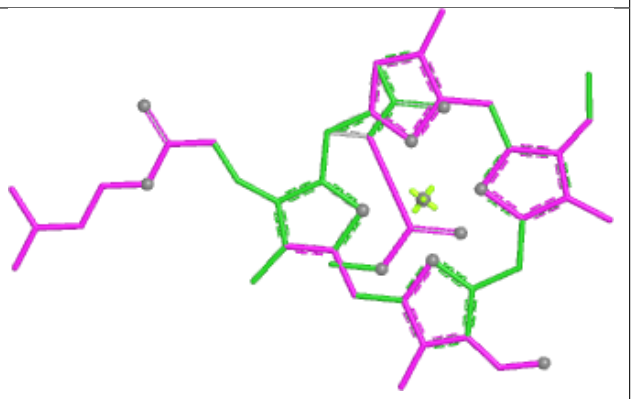


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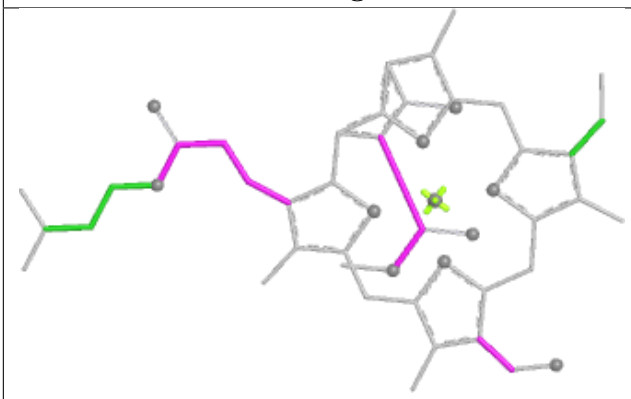
Ligand CL7 A 808



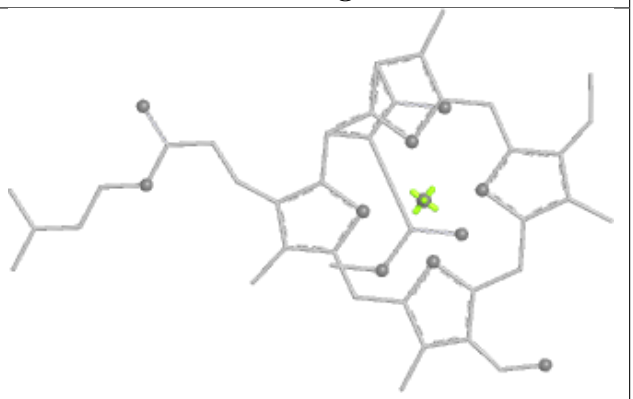
Bond lengths



Bond angles

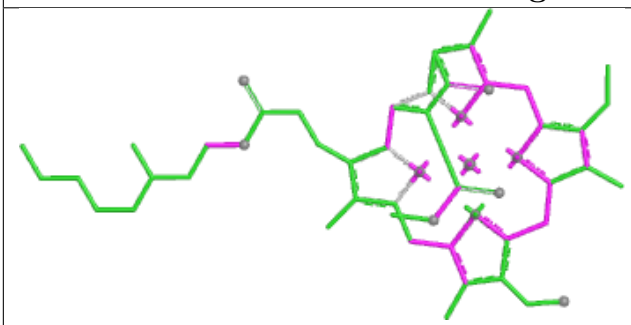


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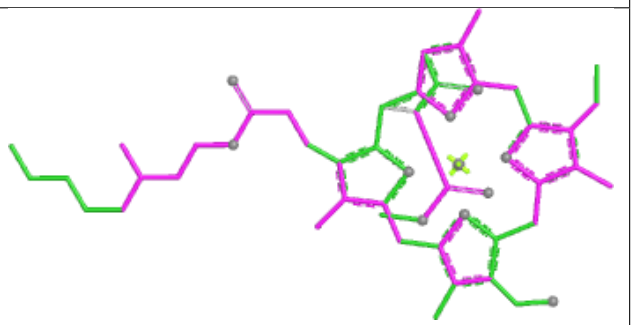


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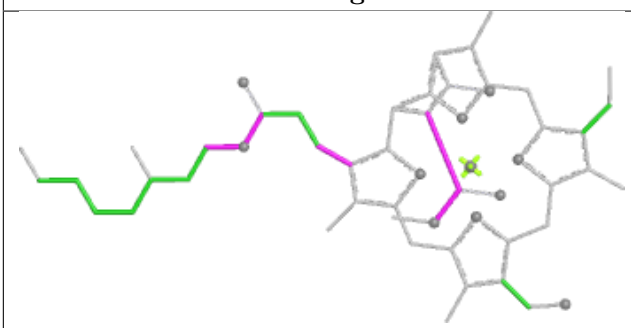
Ligand CL7 B 821



Bond lengths



Bond angles

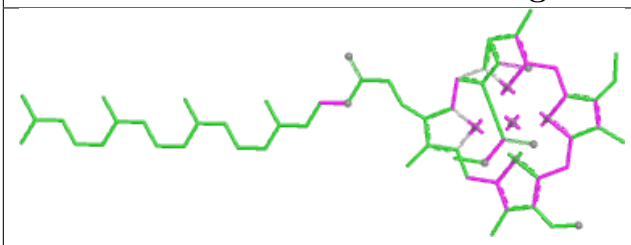


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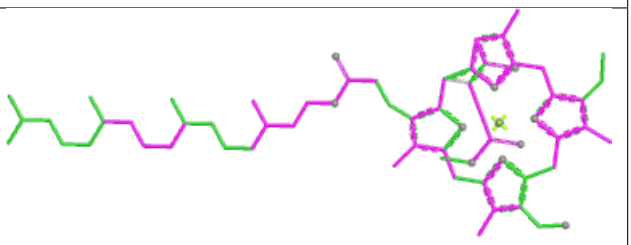


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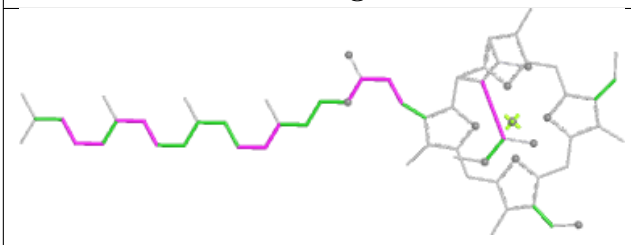
Ligand CL7 B 822



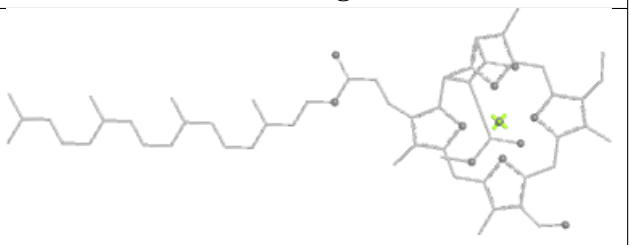
Bond lengths



Bond angles

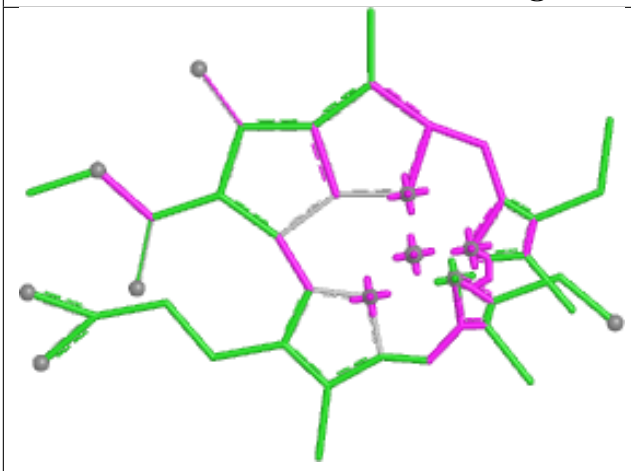


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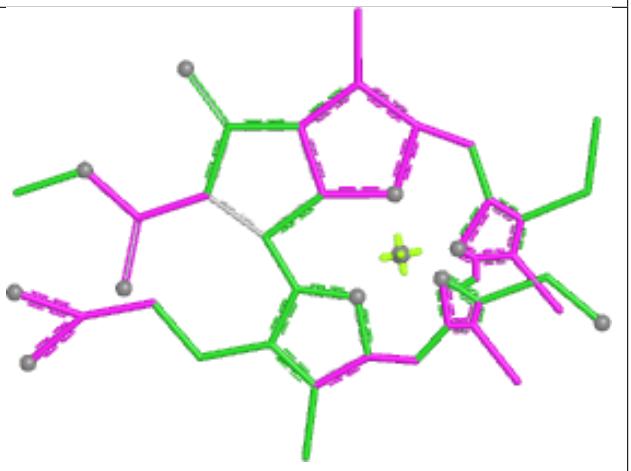


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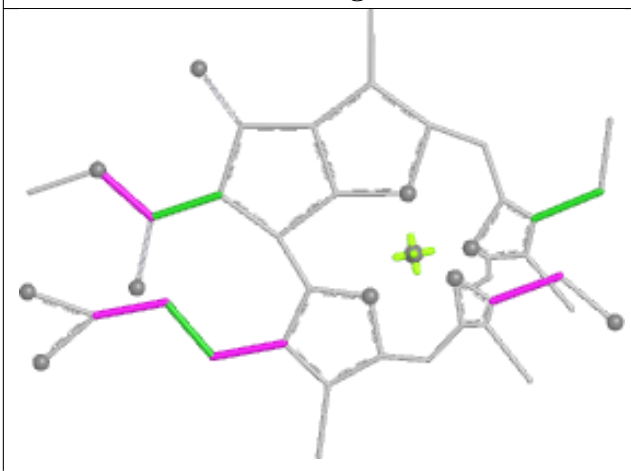
Ligand CL7 A 848



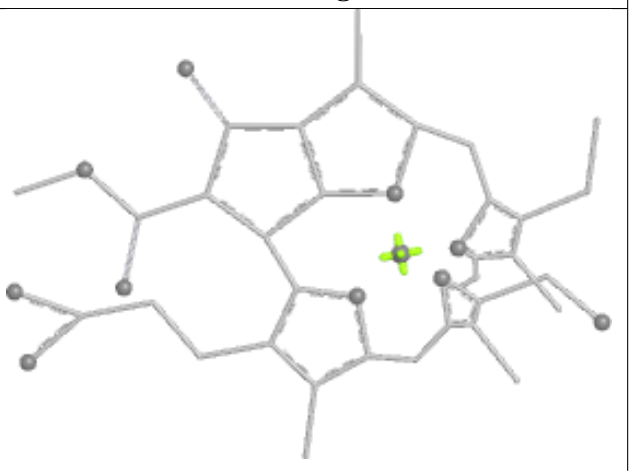
Bond lengths



Bond angles

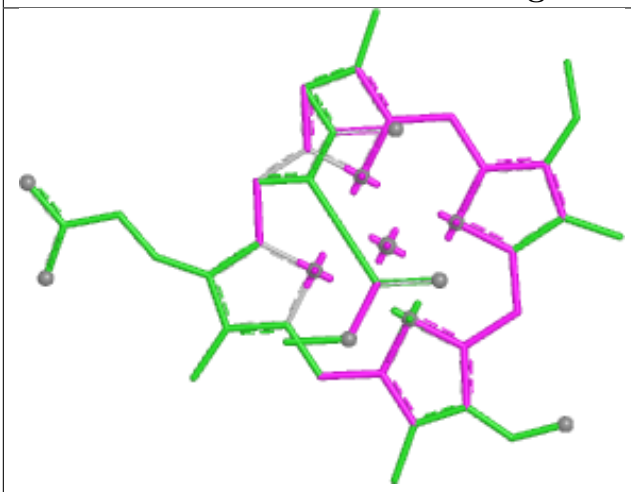


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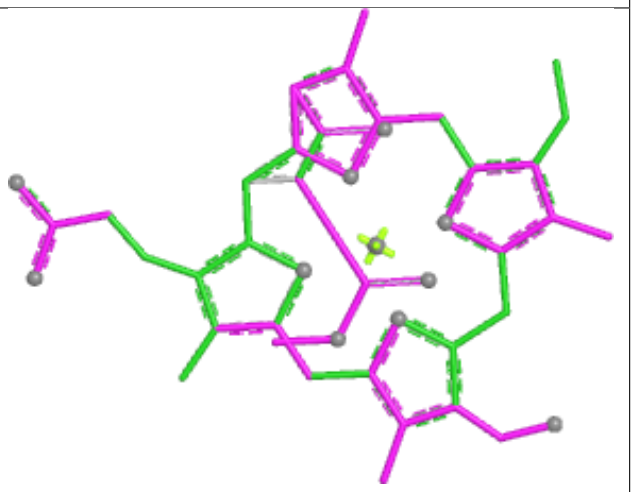


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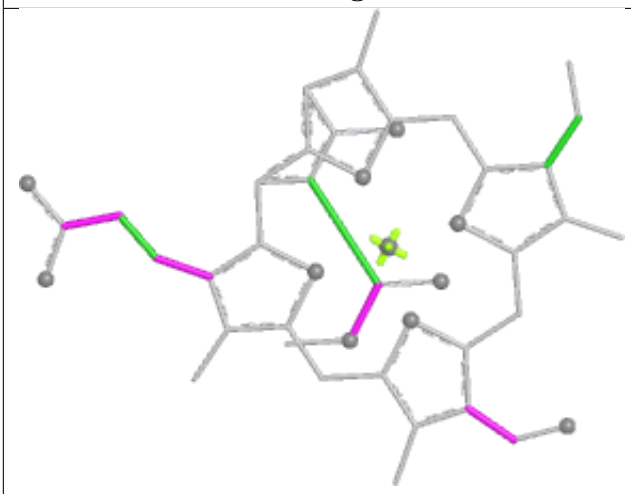
Ligand CL7 K 102



Bond lengths



Bond angles

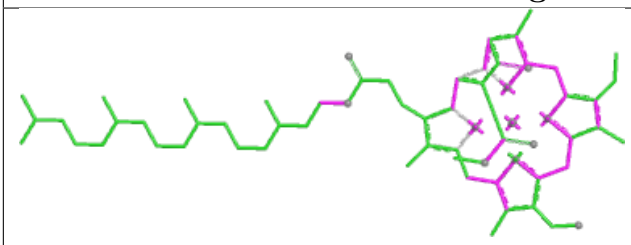


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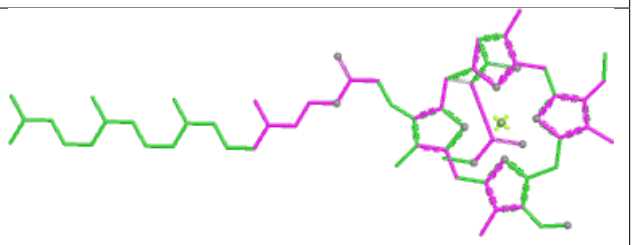


Rings

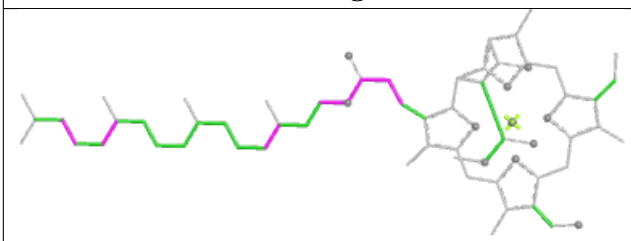
Ligand CL7 B 818



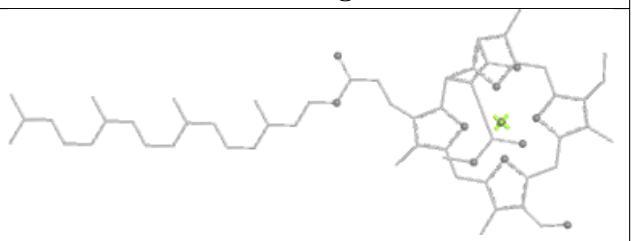
Bond lengths



Bond angles

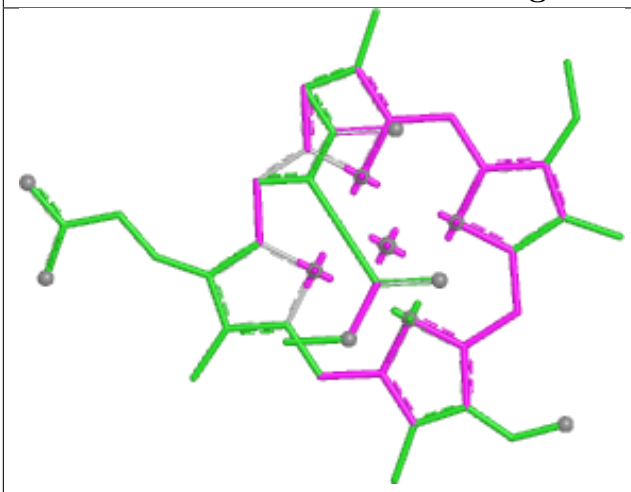


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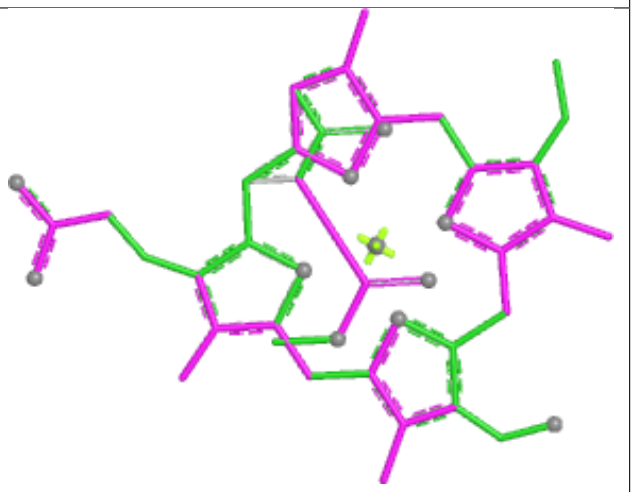


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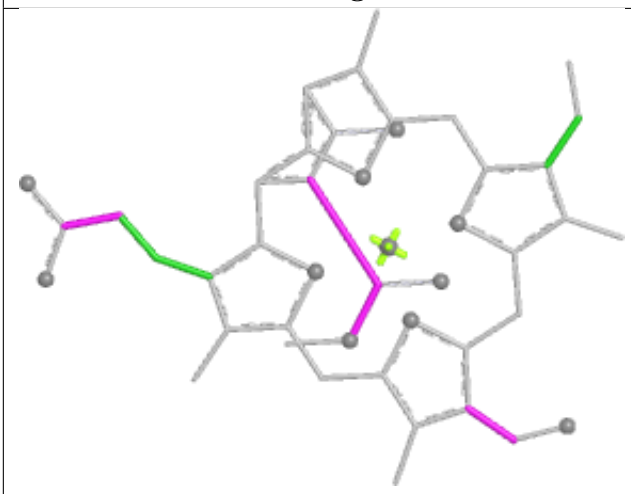
Ligand CL7 B 839



Bond lengths



Bond angles

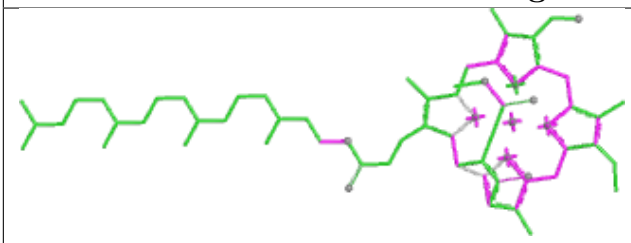


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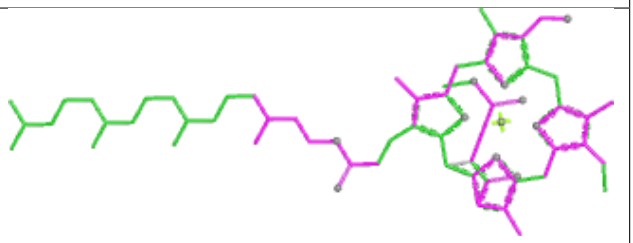


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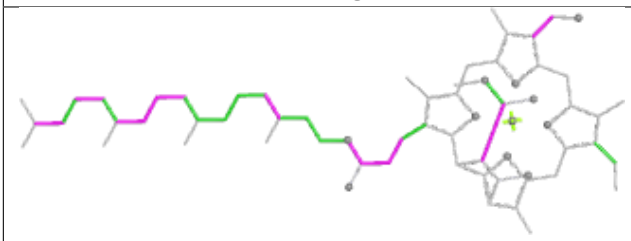
Ligand CL7 A 842



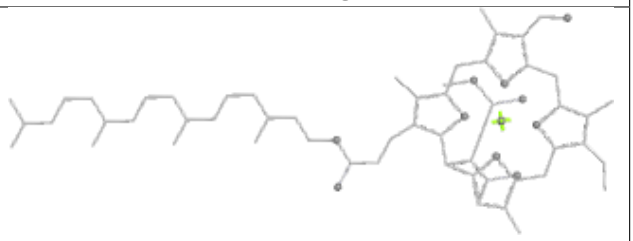
Bond lengths



Bond angles

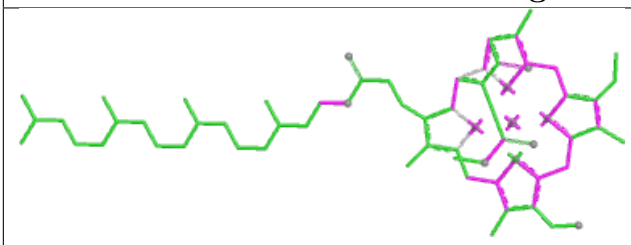


Torsions

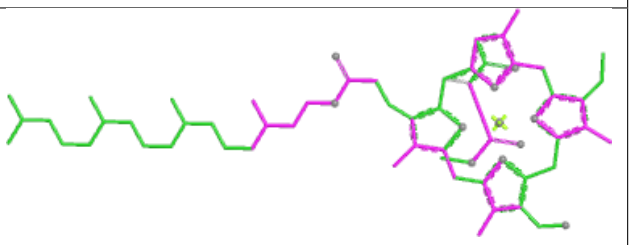


Rings

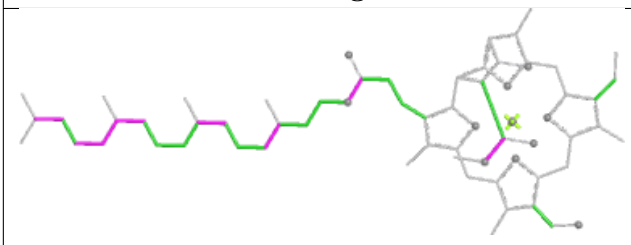
Ligand CL7 B 824



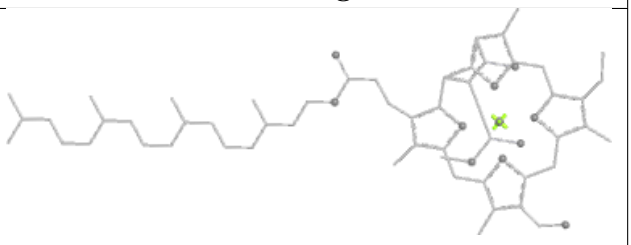
Bond lengths



Bond angles

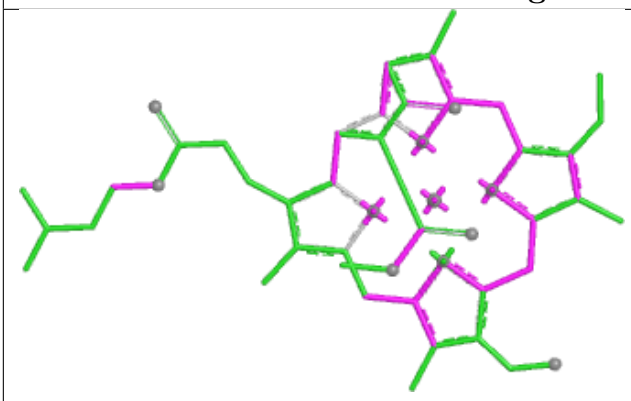


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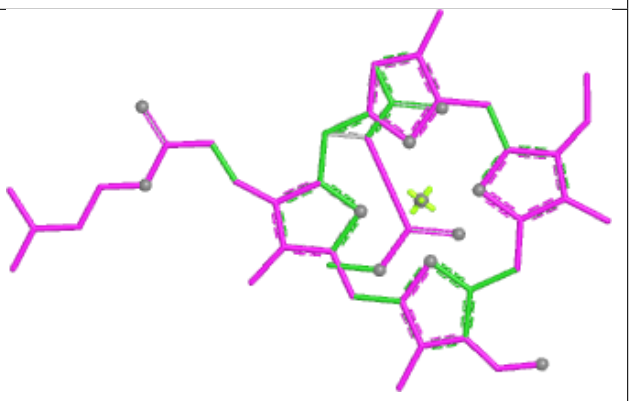


Rings

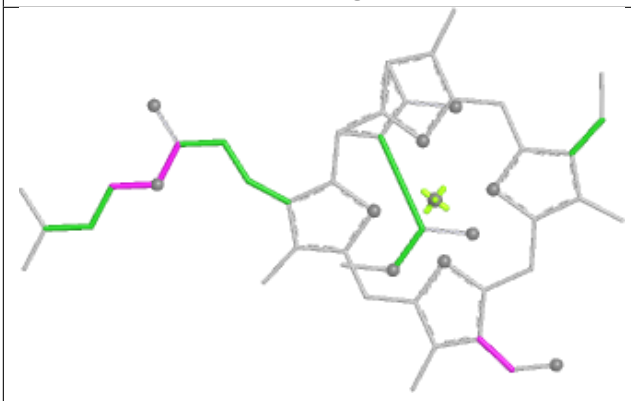
Ligand CL7 A 846



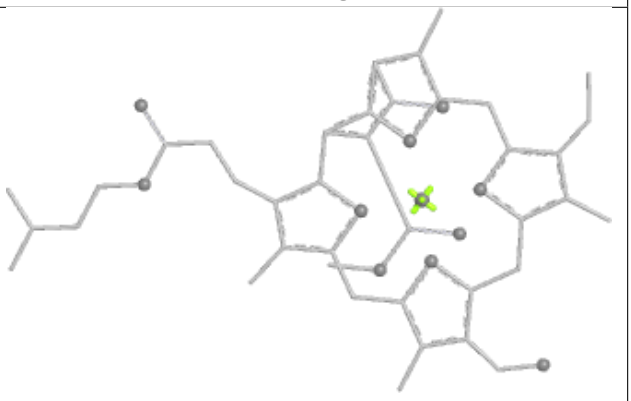
Bond lengths



Bond angles

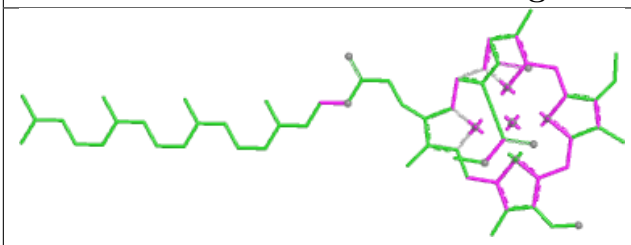


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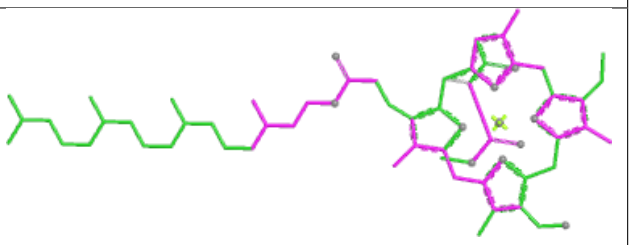


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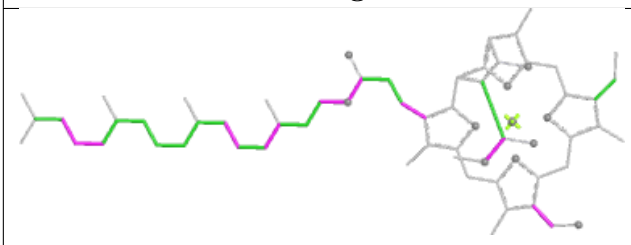
Ligand CL7 A 843



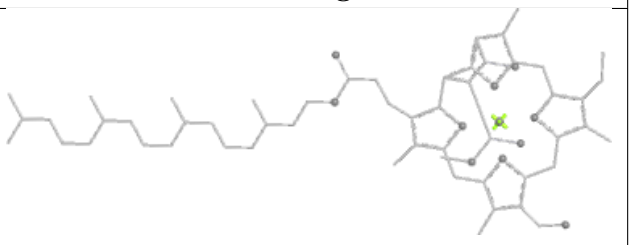
Bond lengths



Bond angles

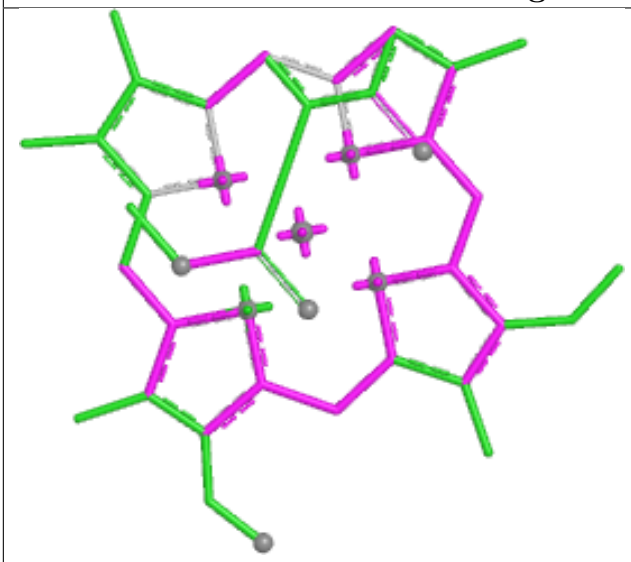


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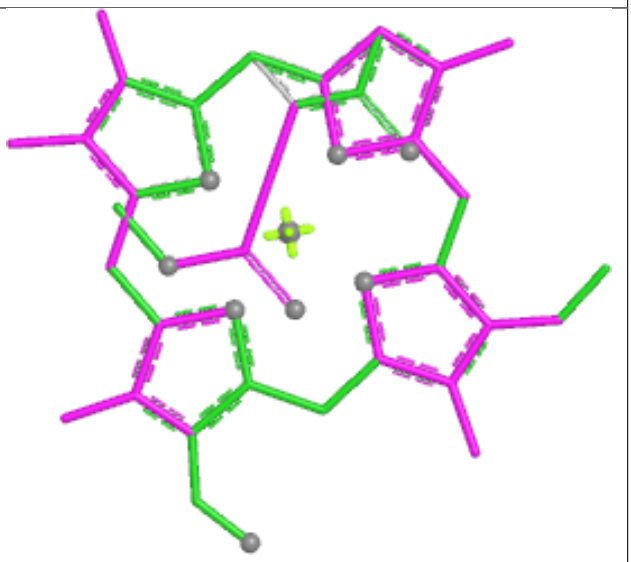


Rings

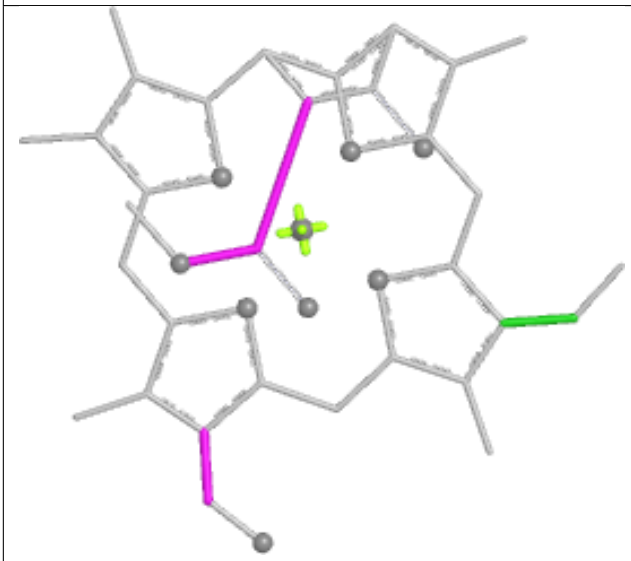
Ligand CL7 A 811



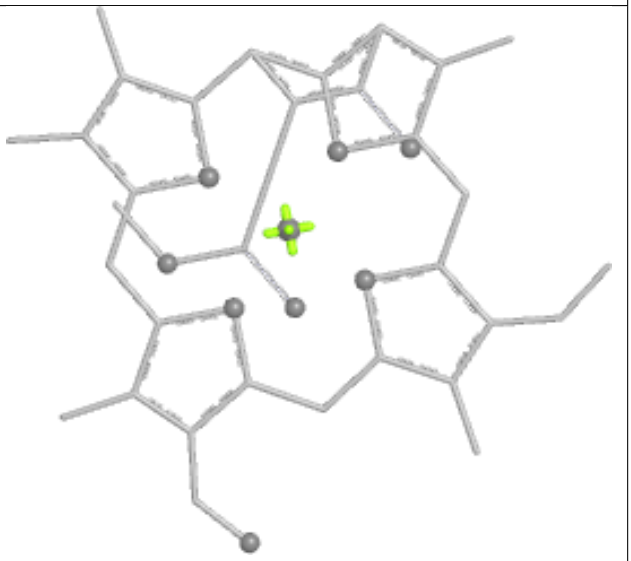
Bond lengths



Bond angles

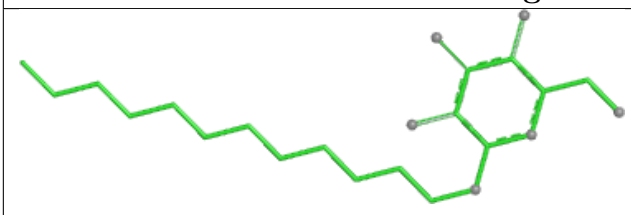


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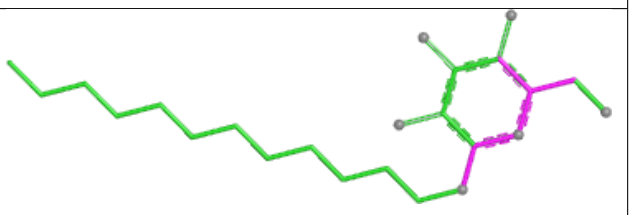


Rings

Ligand LMT L 203



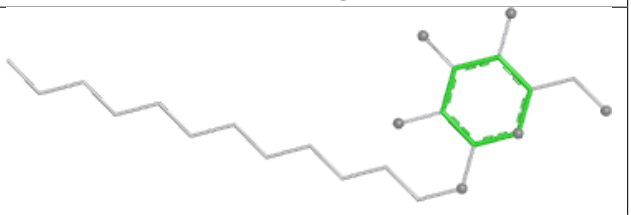
Bond lengths



Bond angles

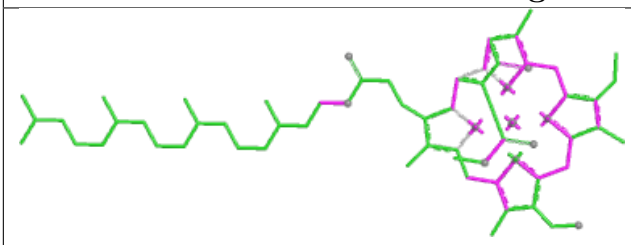


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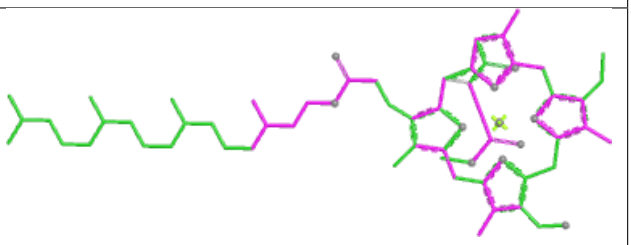


Rings

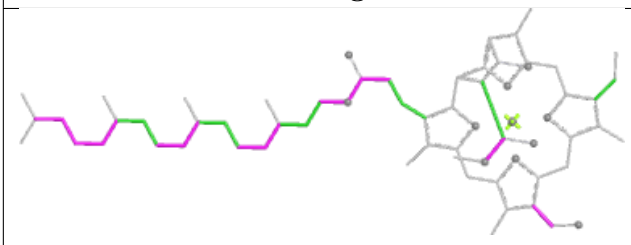
Ligand CL7 A 821



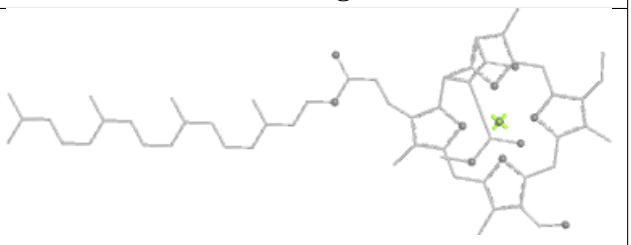
Bond lengths



Bond angles

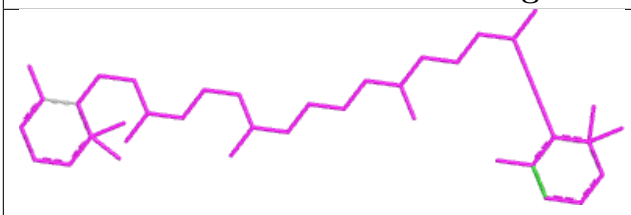


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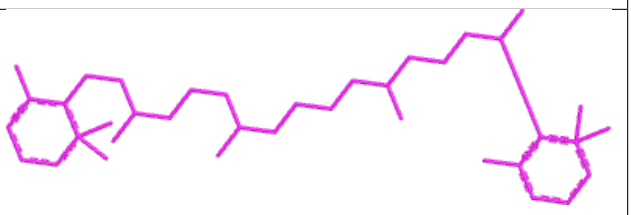


Rings

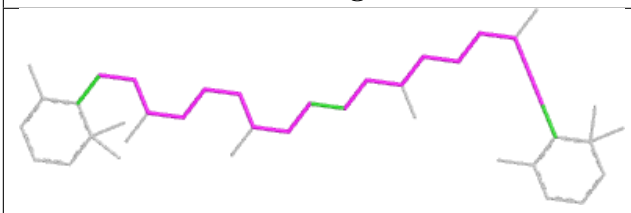
Ligand WVN I 102



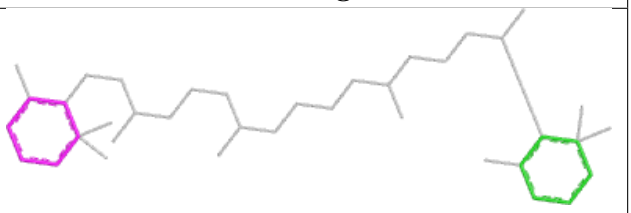
Bond lengths



Bond angles

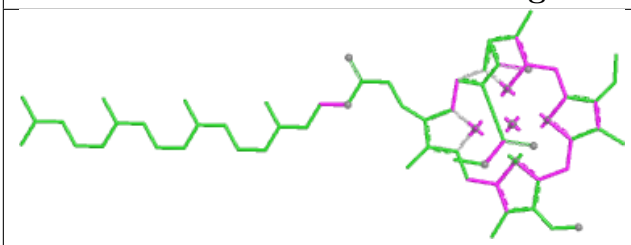


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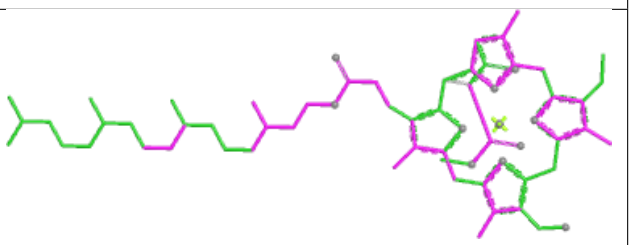


Rings

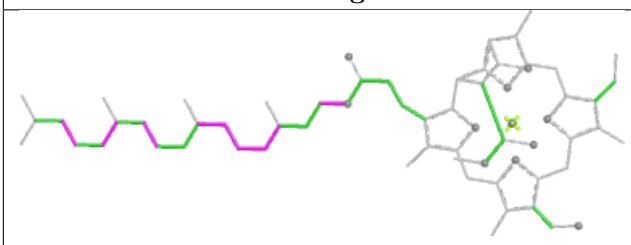
Ligand CL7 A 822



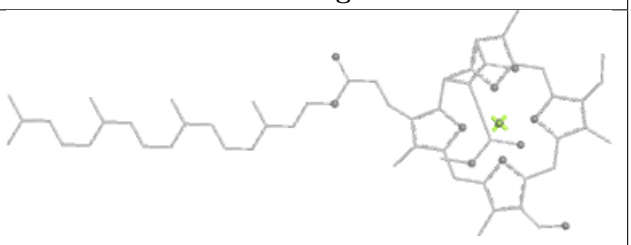
Bond lengths



Bond angles

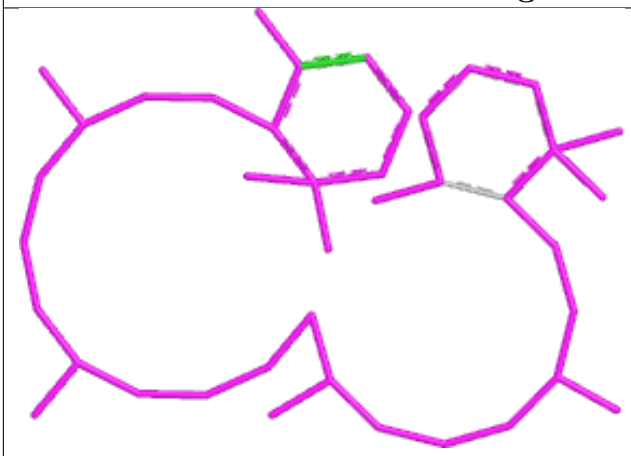


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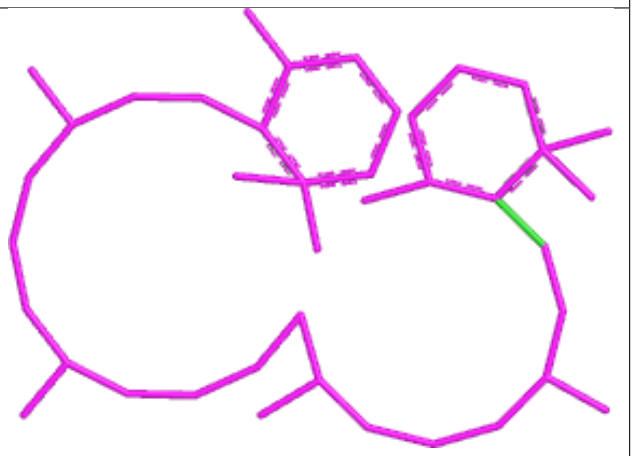


Rings

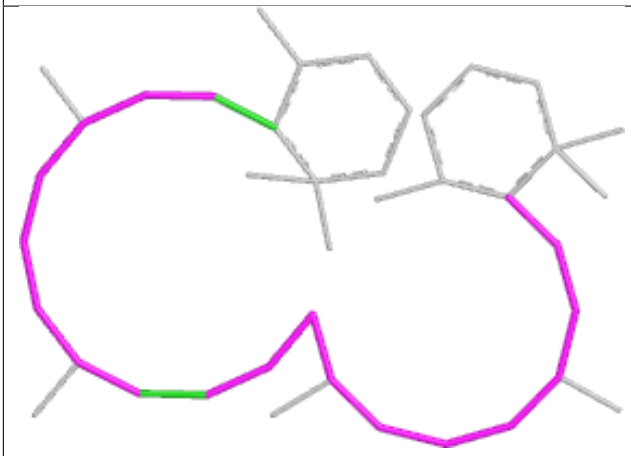
Ligand WVN L 201



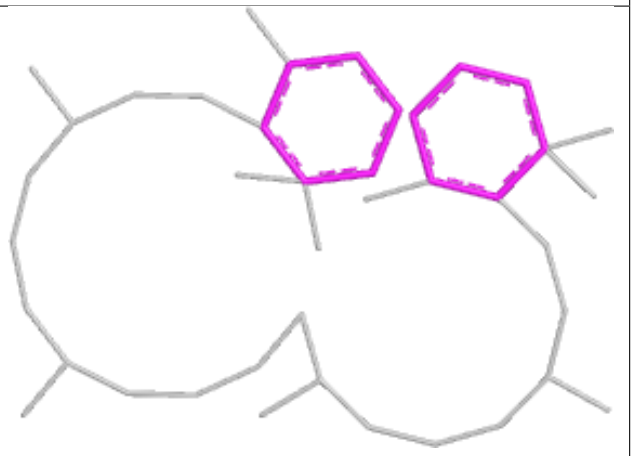
Bond lengths



Bond angles

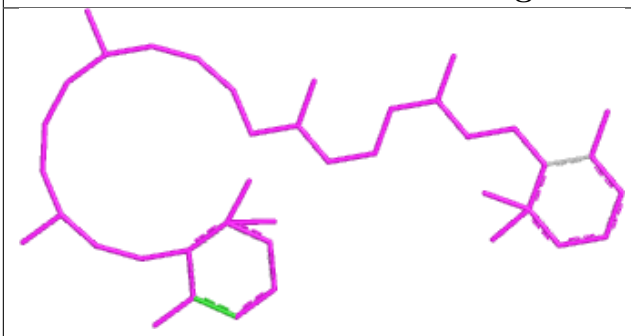


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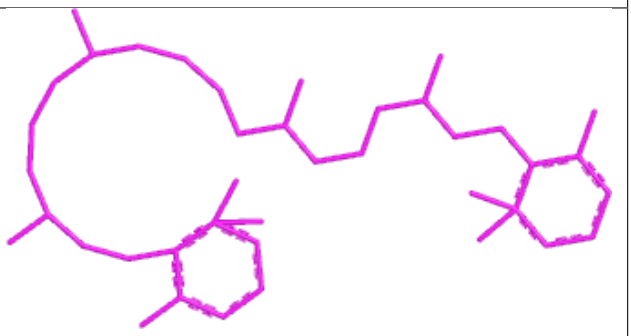


Rings

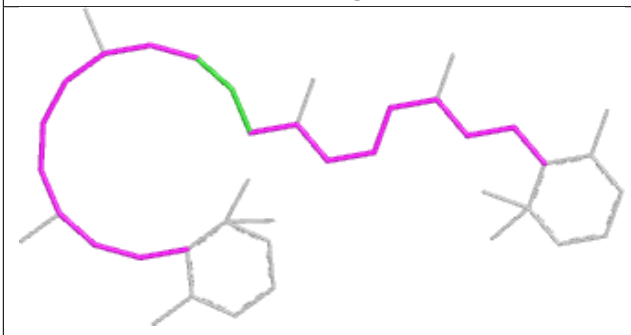
Ligand WVN A 853



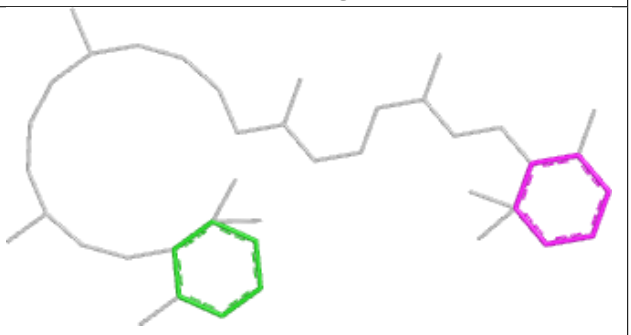
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Bond angles

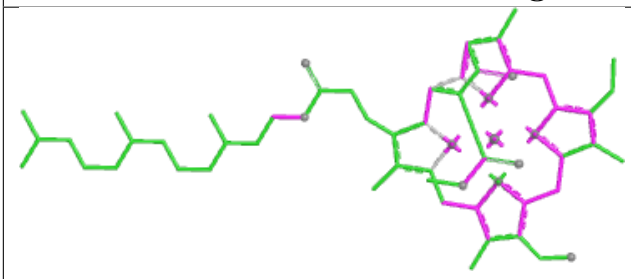


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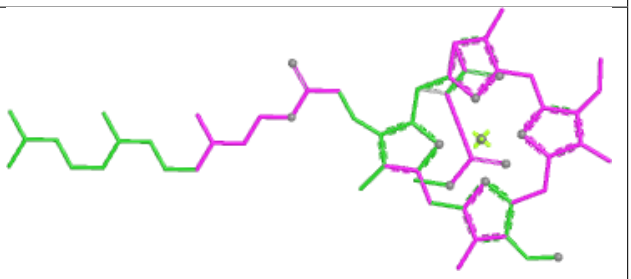


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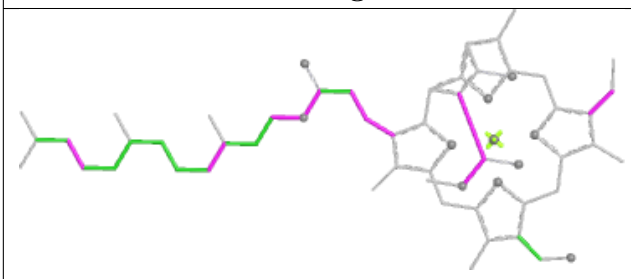
Ligand CL7 A 841



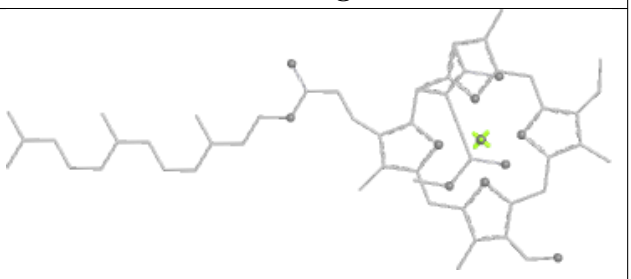
Bond lengths



Bond angles

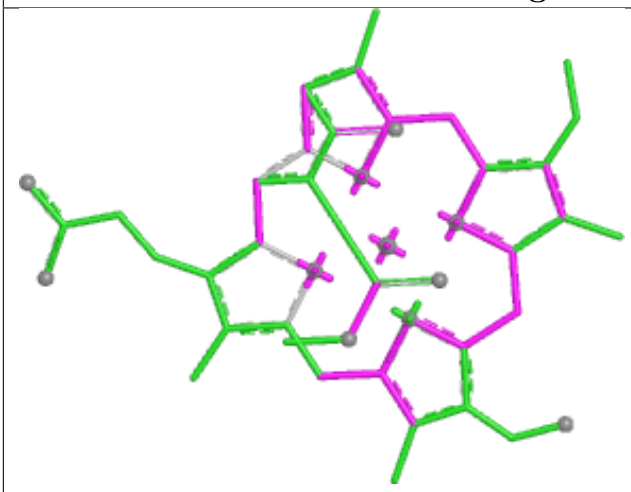


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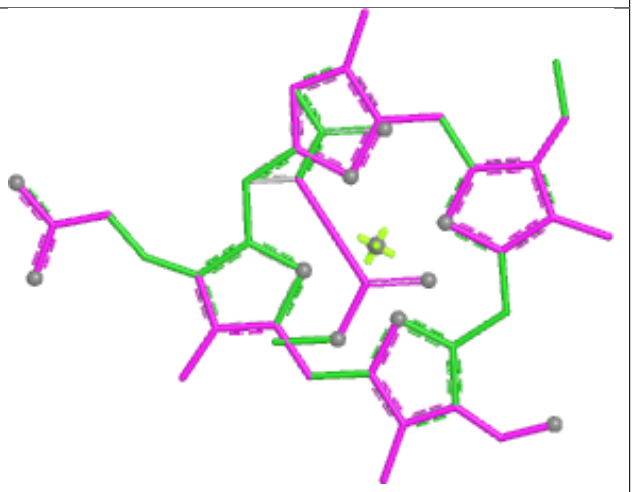


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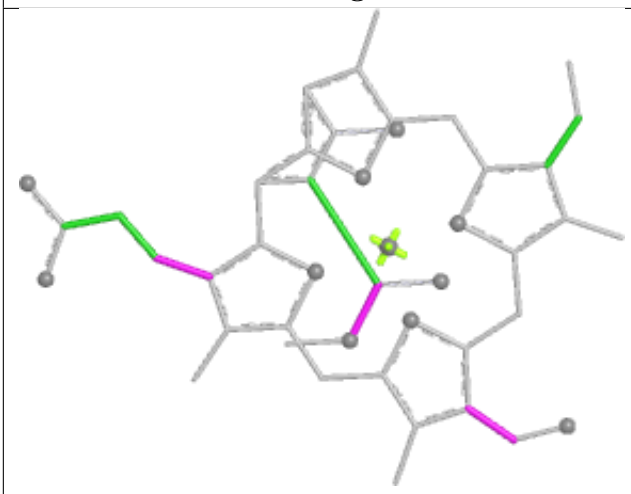
Ligand CL7 B 823



Bond lengths



Bond angles

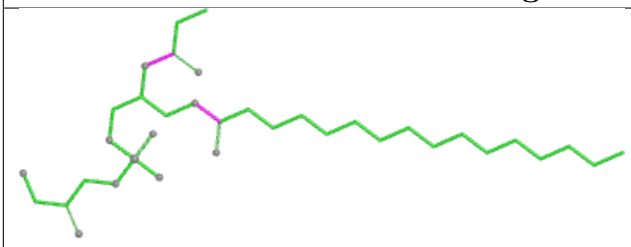


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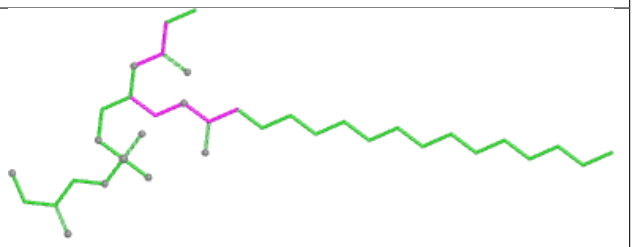


Rings

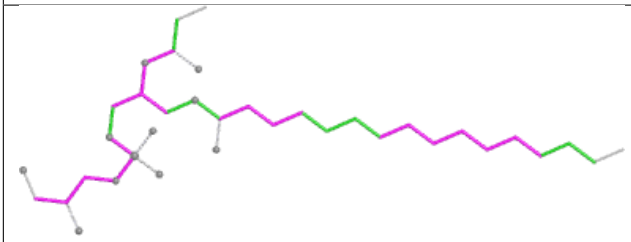
Ligand LHG A 824



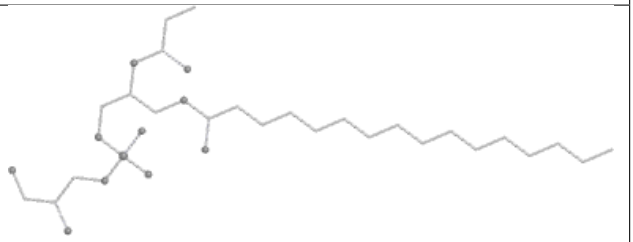
Bond lengths



Bond angles

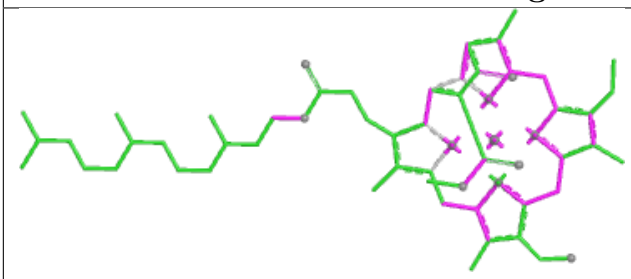


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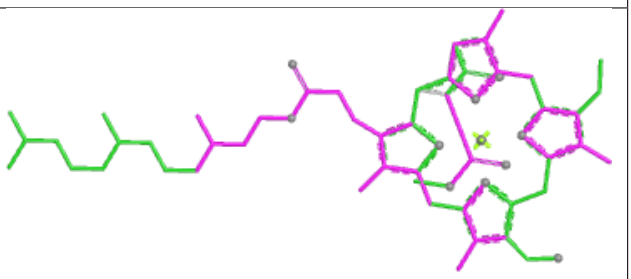


Rings

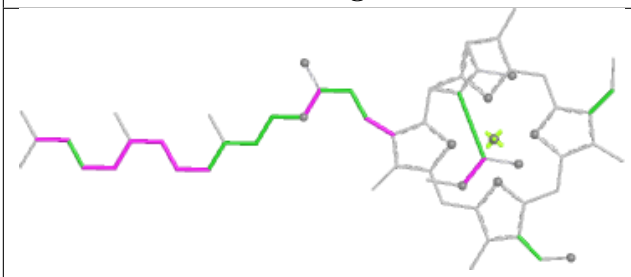
Ligand CL7 A 844



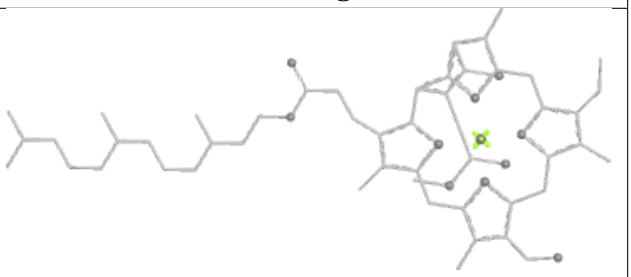
Bond lengths



Bond angles

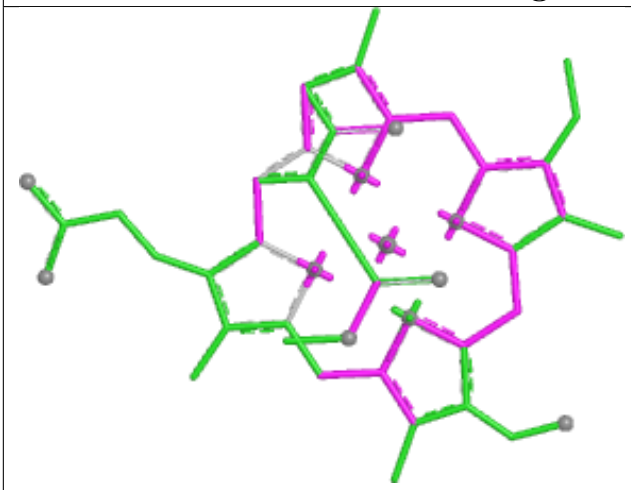


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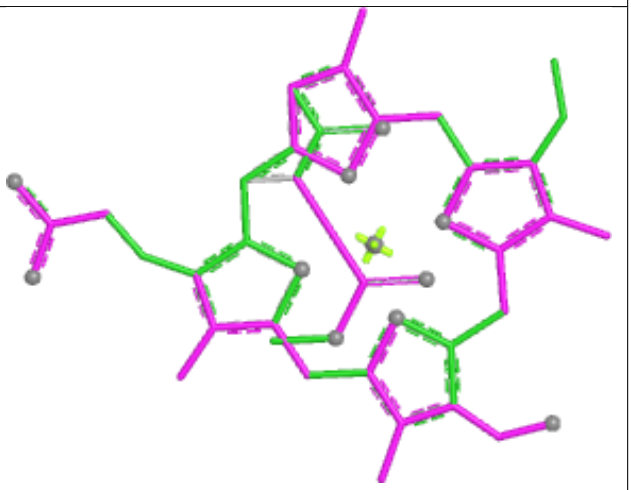


Rings

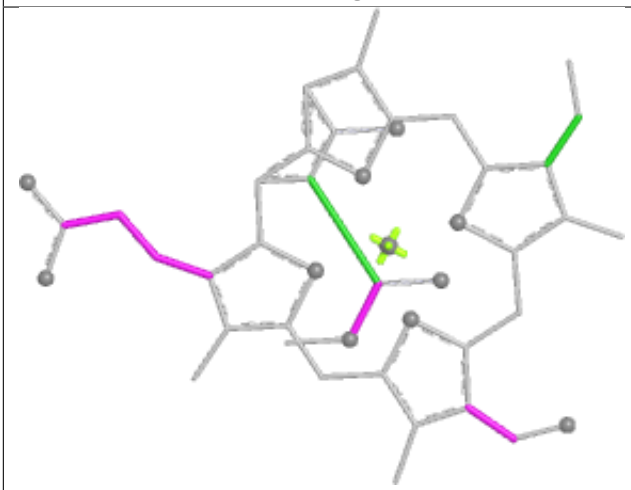
Ligand CL7 F 203



Bond lengths



Bond angles

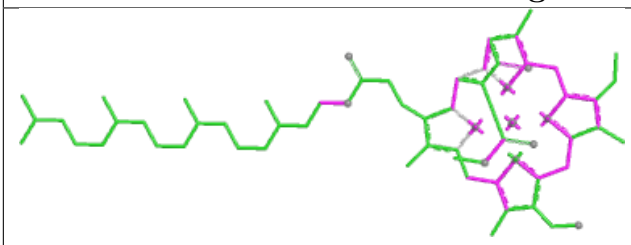


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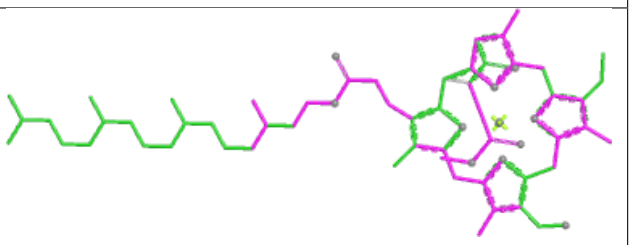


Rings

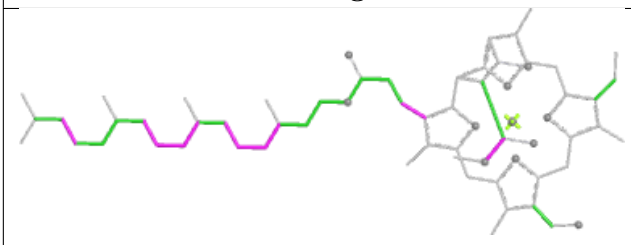
Ligand CL7 A 813



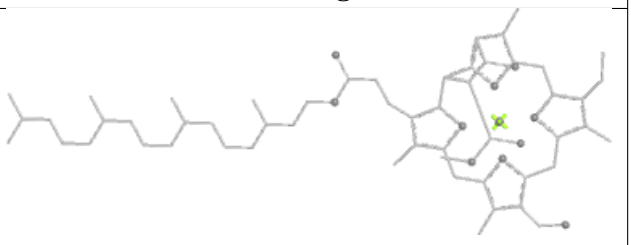
Bond lengths



Bond angles

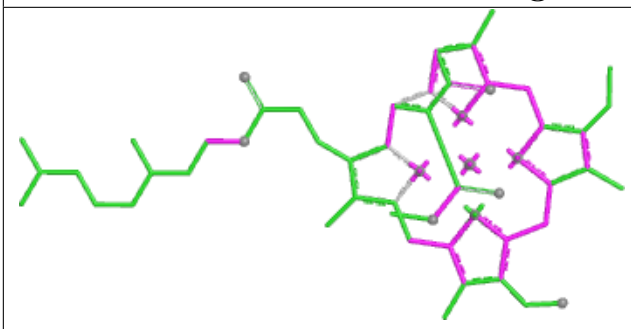


Torsions

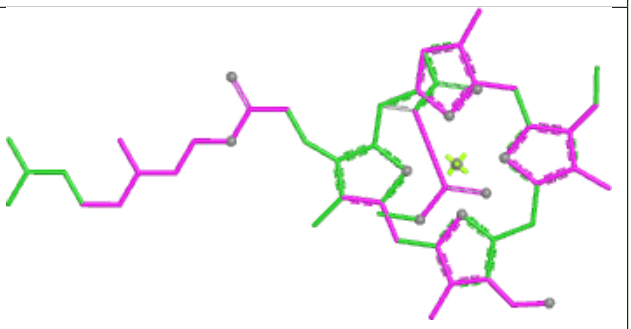


Rings

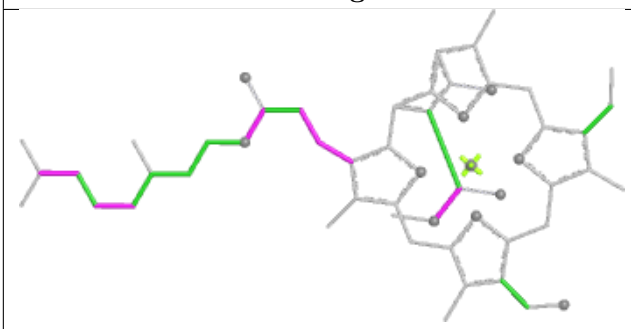
Ligand CL7 B 831



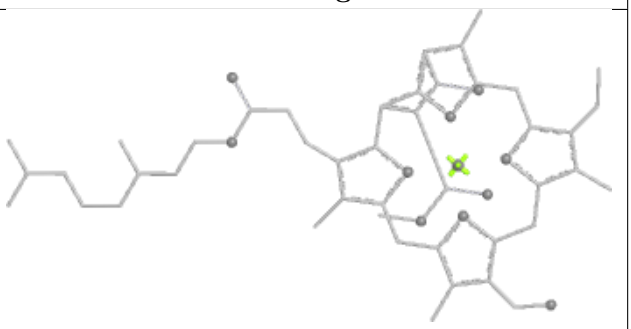
Bond lengths



Bond angles

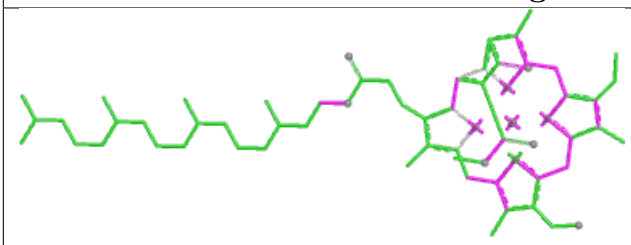


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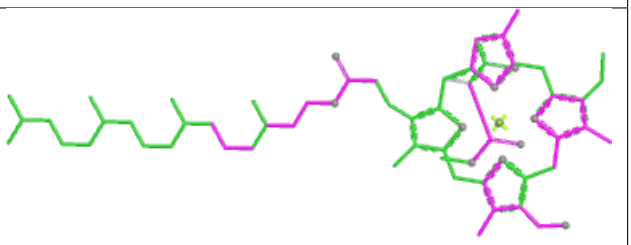


Rings

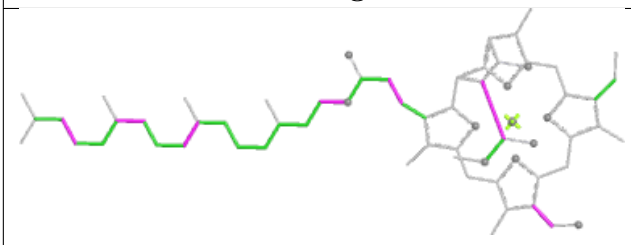
Ligand CL7 B 802



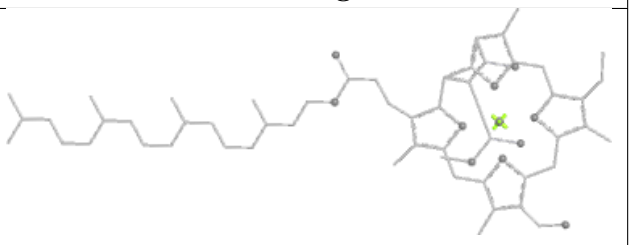
Bond lengths



Bond angles

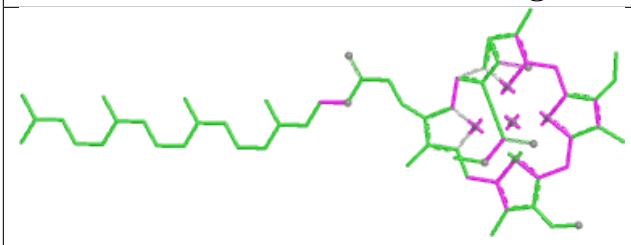


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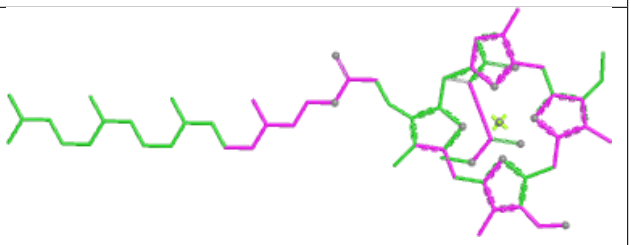


Rings

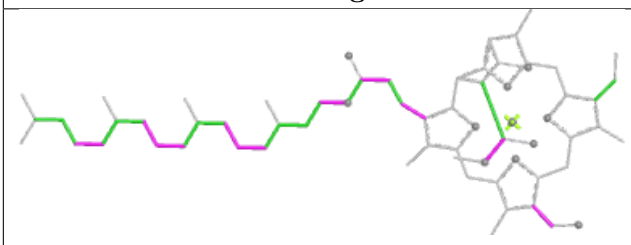
Ligand CL7 A 827



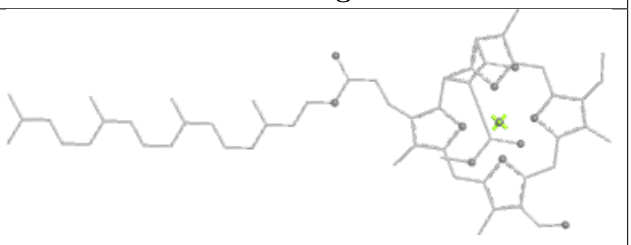
Bond lengths



Bond angles

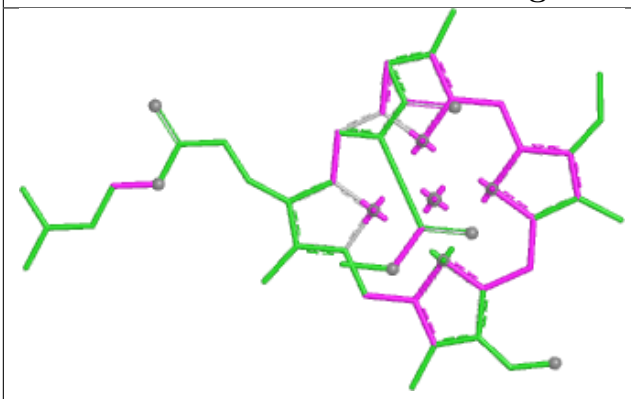


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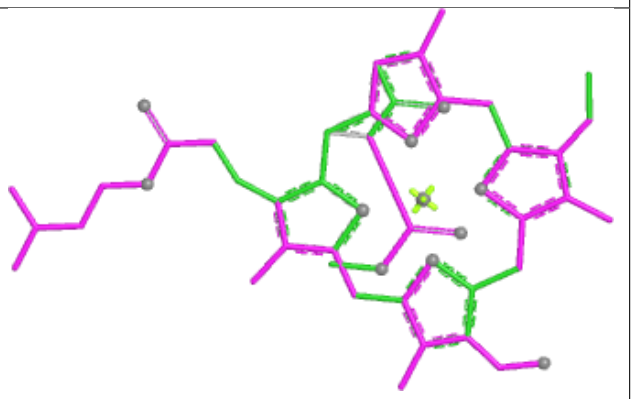


Rings

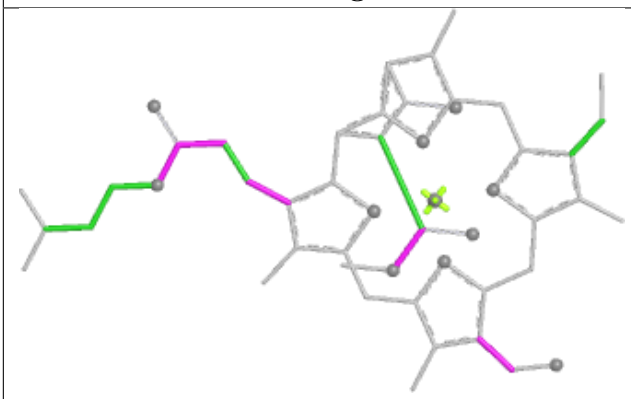
Ligand CL7 B 835



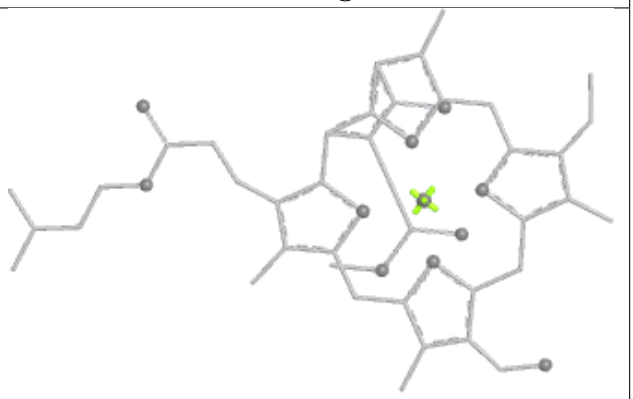
Bond lengths



Bond angles

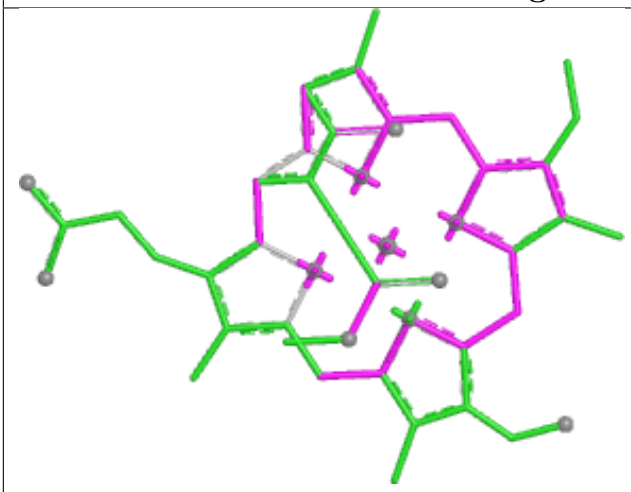


Torsions

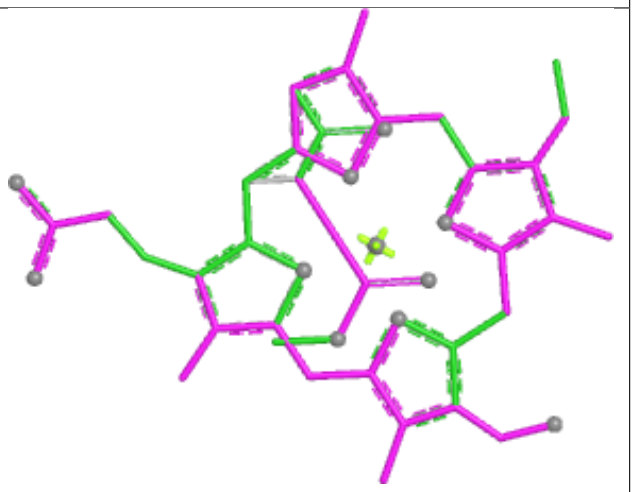


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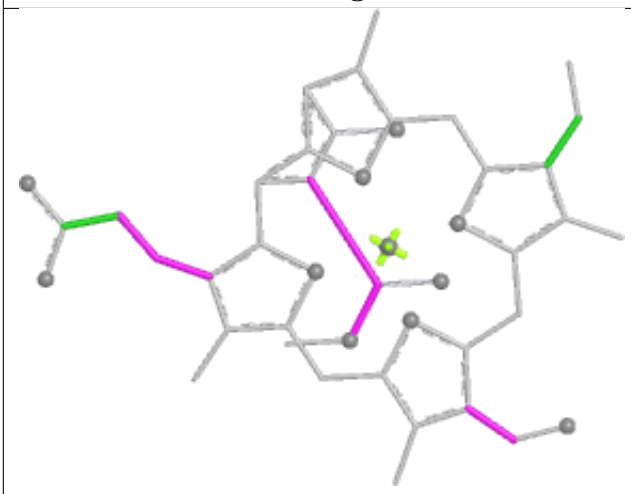
Ligand CL7 B 816



Bond lengths



Bond angles

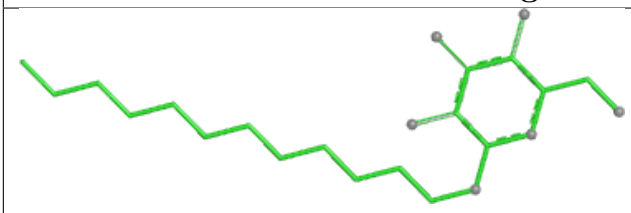


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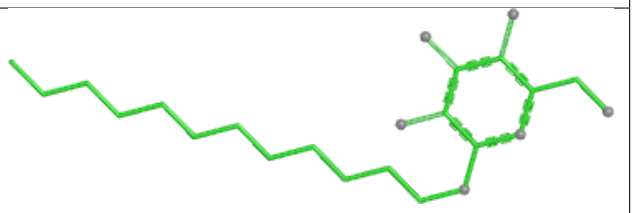


Rings

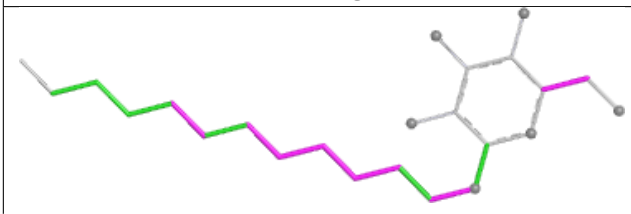
Ligand LMT A 847



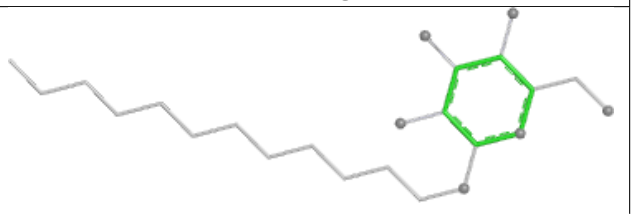
Bond lengths



Bond angles

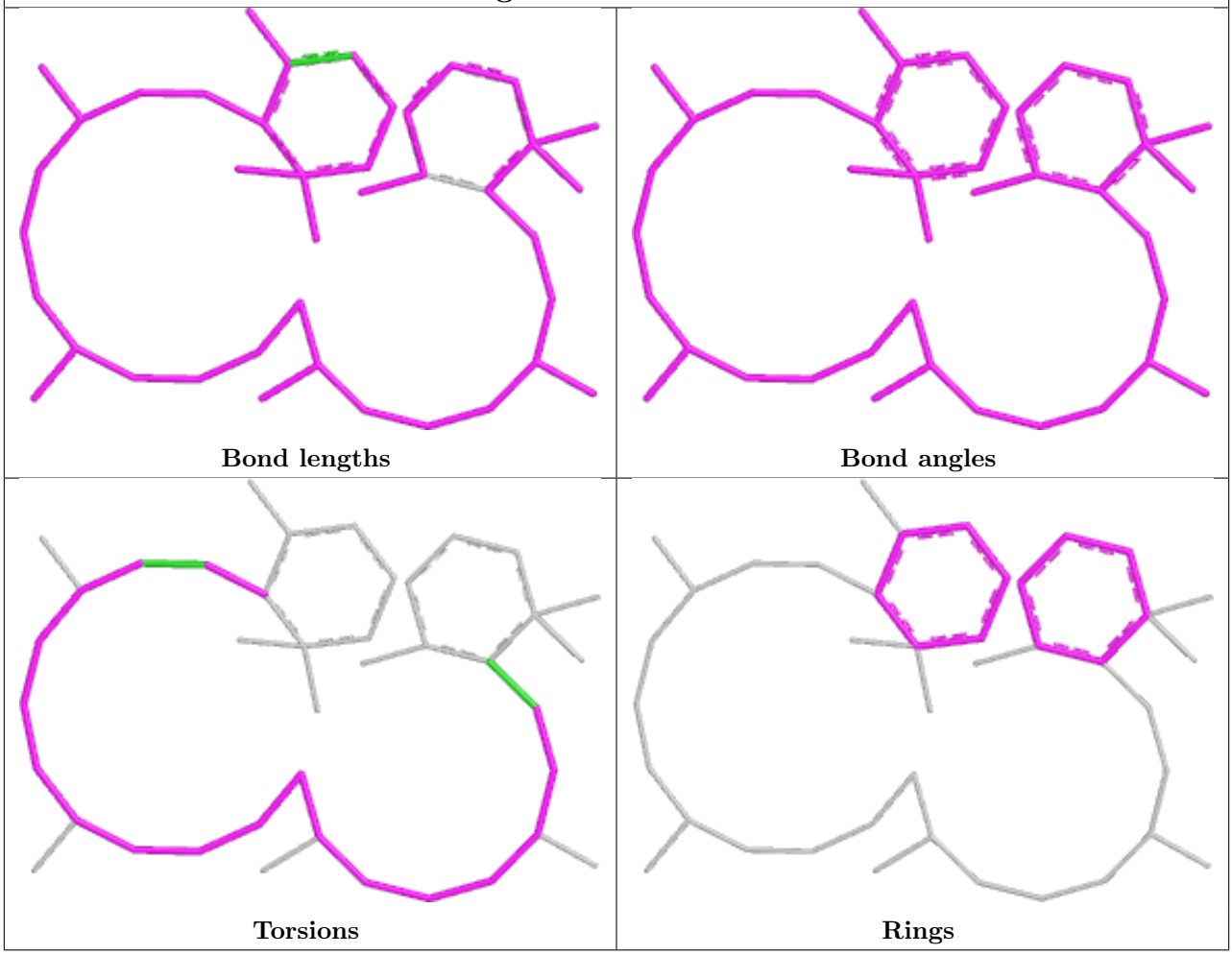


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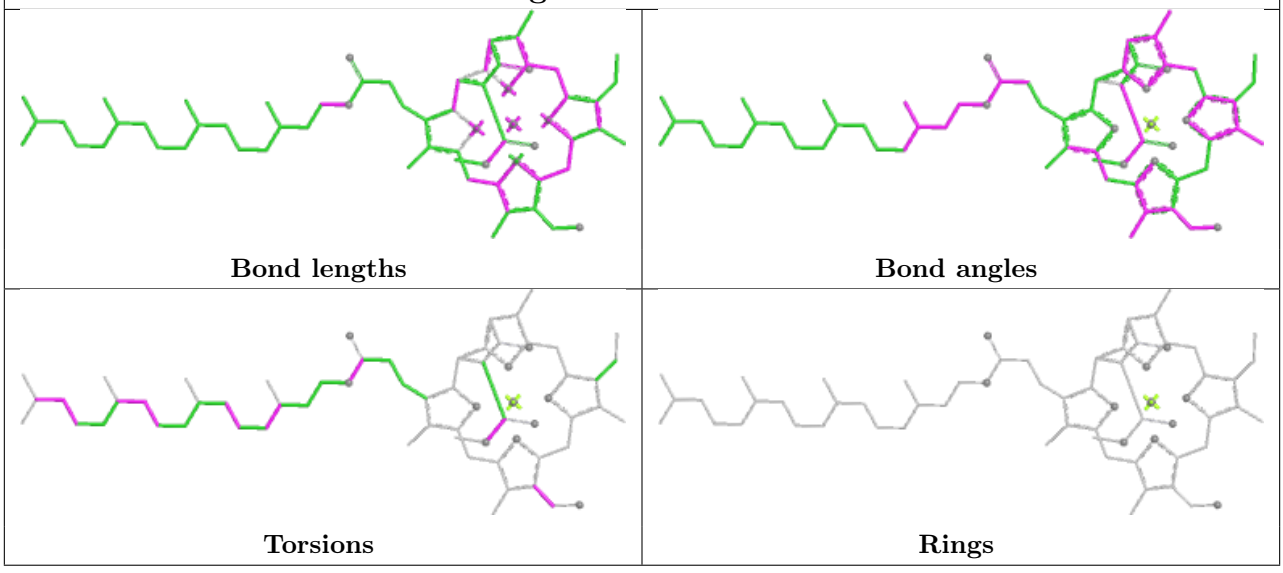


Rings

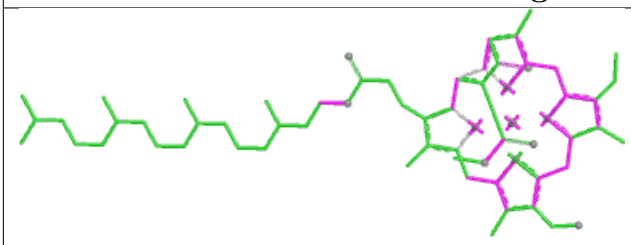
Ligand WVN B 850



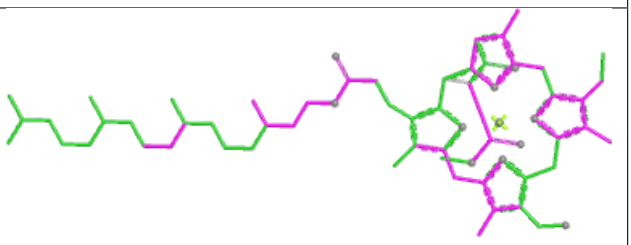
Ligand CL7 A 818



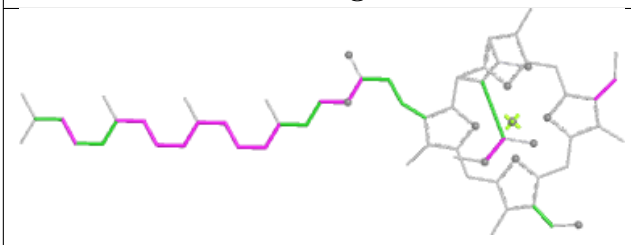
Ligand CL7 F 202



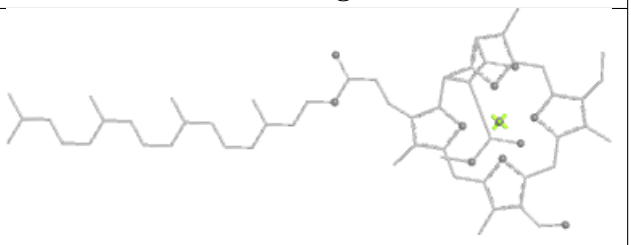
Bond lengths



Bond angles

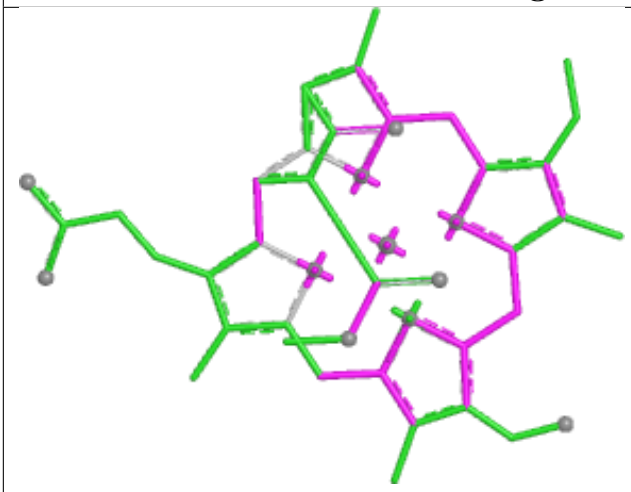


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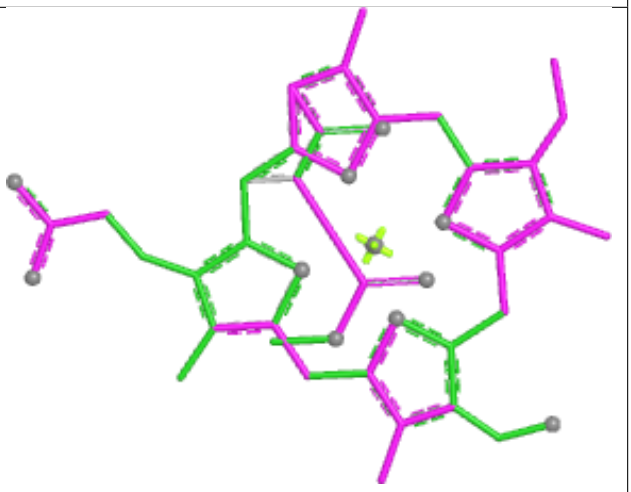


Rings

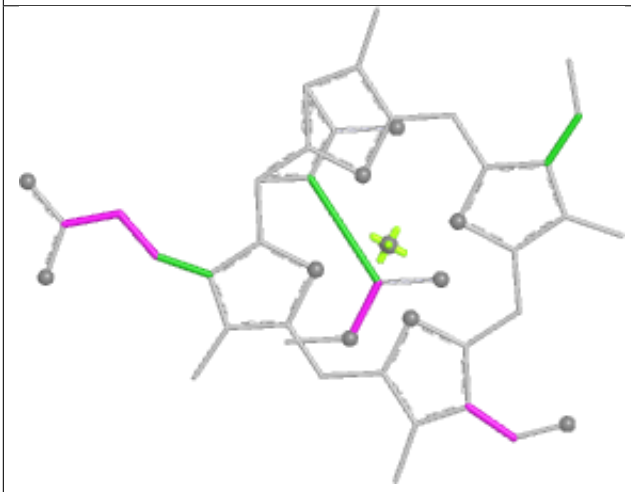
Ligand CL7 B 838



Bond lengths



Bond angles

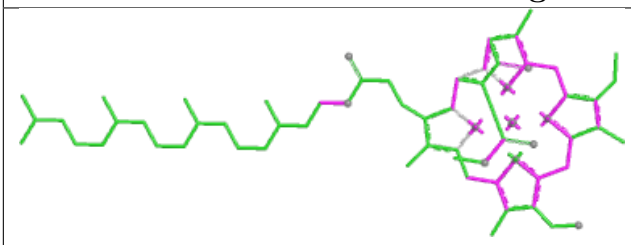


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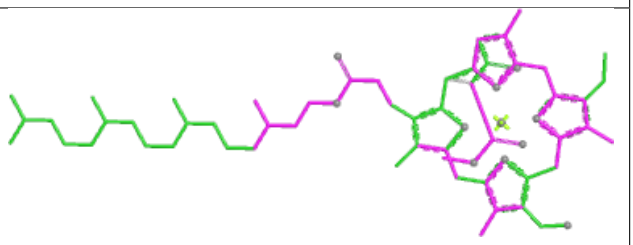


Rings

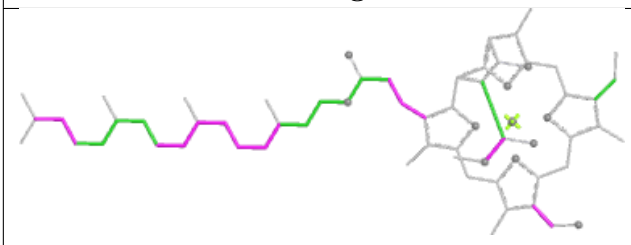
Ligand CL7 B 811



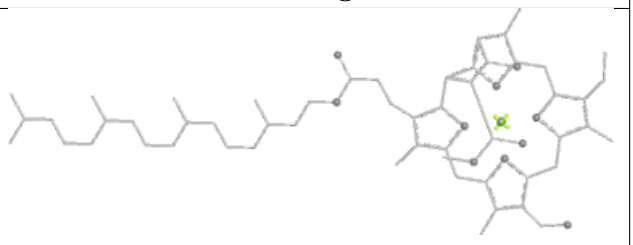
Bond lengths



Bond angles

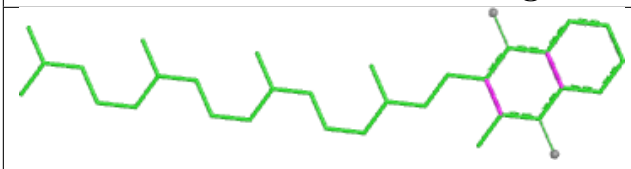


Torsions

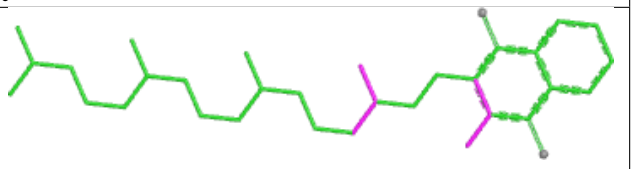


Rings

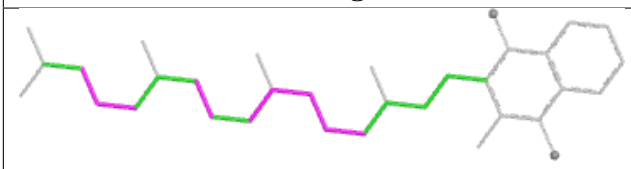
Ligand PQN B 820



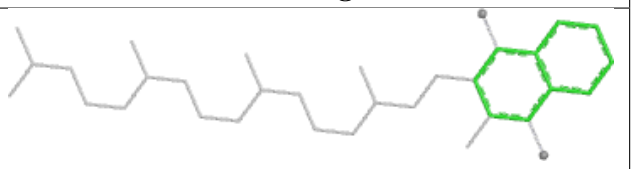
Bond lengths



Bond angles

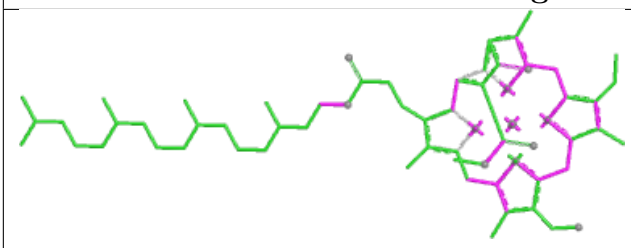


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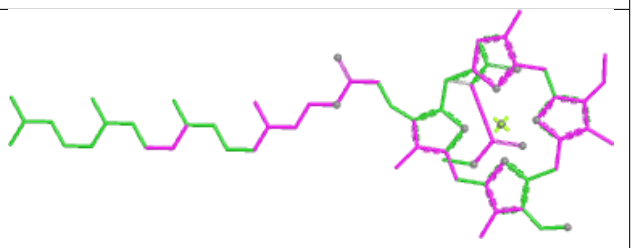


Rings

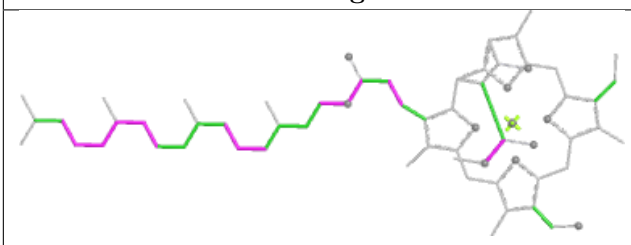
Ligand CL7 L 207



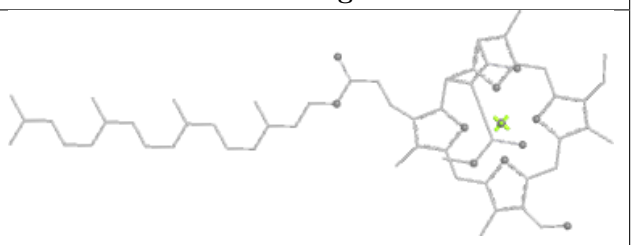
Bond lengths



Bond angles



Torsions



Rings

5.7 Other polymers (i)

There are no such residues in this entry.

5.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

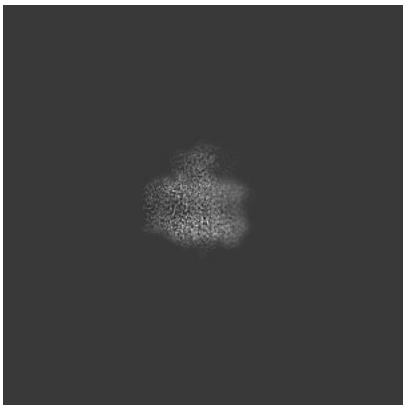
6 Map visualisation

This section contains visualisations of the EMDB entry EMD-77326. These allow visual inspection of the internal detail of the map and identification of artifacts.

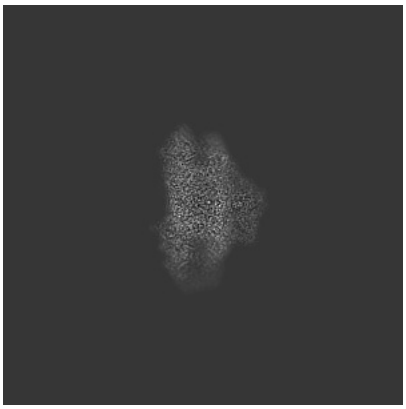
Images derived from a raw map, generated by summing the deposited half-maps, are presented below the corresponding image components of the primary map to allow further visual inspection and comparison with those of the primary map.

6.1 Orthogonal projections

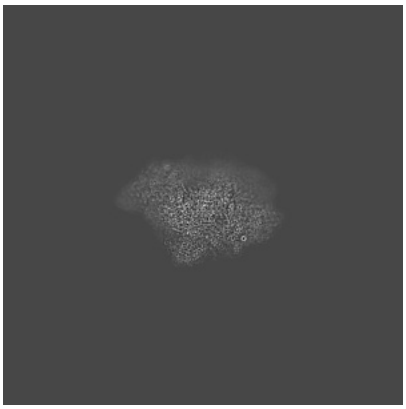
6.1.1 Primary map



X

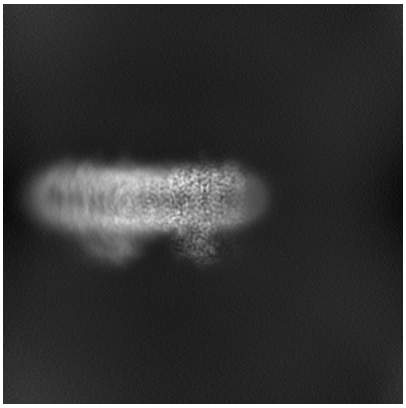


Y

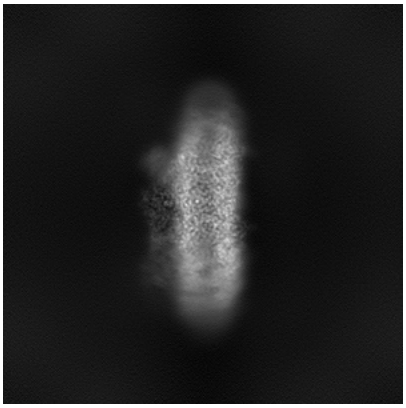


Z

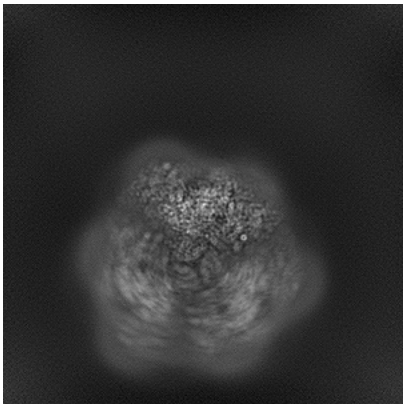
6.1.2 Raw map



X



Y

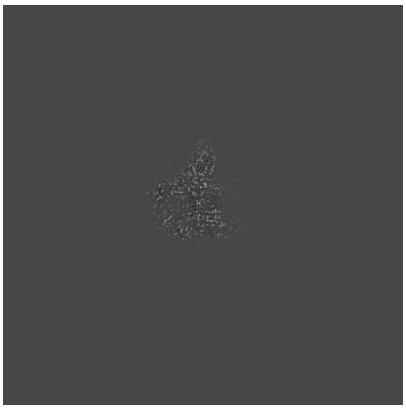


Z

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

6.2 Central slices (i)

6.2.1 Primary map



X Index: 250

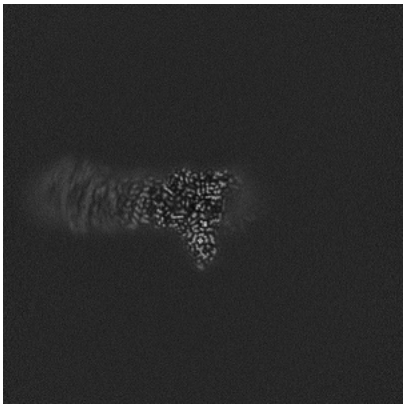


Y Index: 250

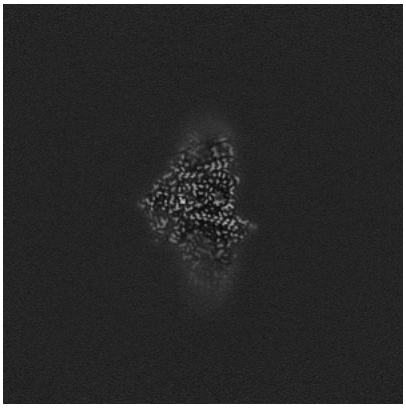


Z Index: 250

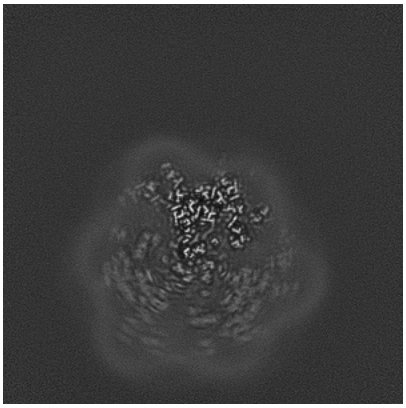
6.2.2 Raw map



X Index: 250



Y Index: 250

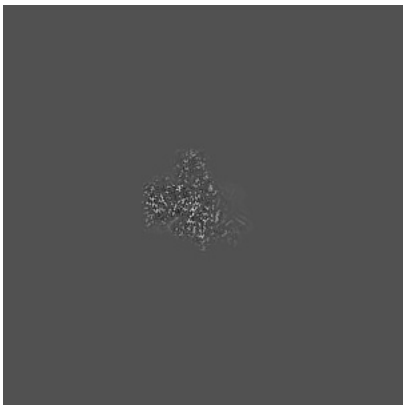


Z Index: 250

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

6.3 Largest variance slices (i)

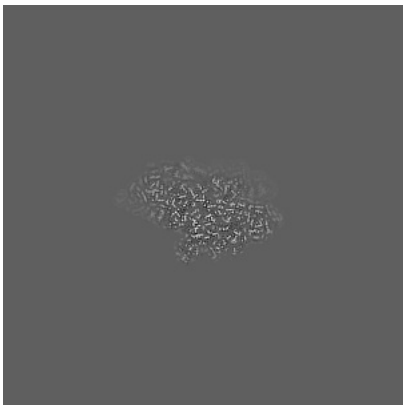
6.3.1 Primary map



X Index: 228

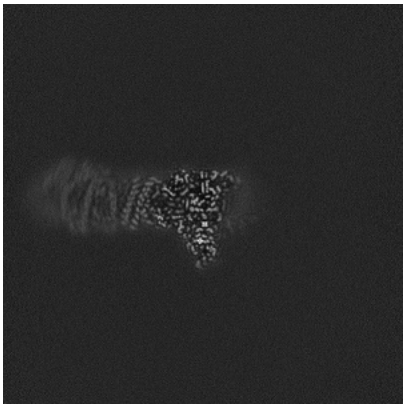


Y Index: 241

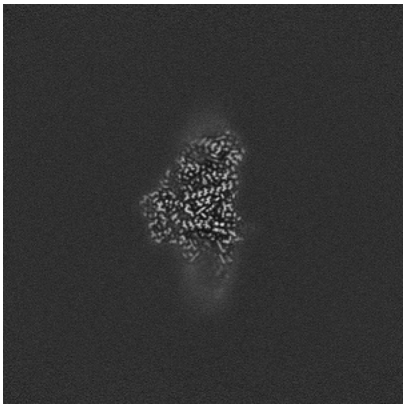


Z Index: 229

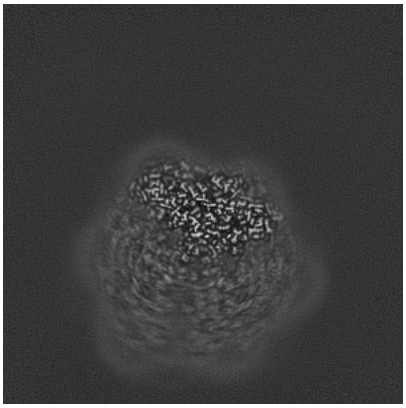
6.3.2 Raw map



X Index: 252



Y Index: 242

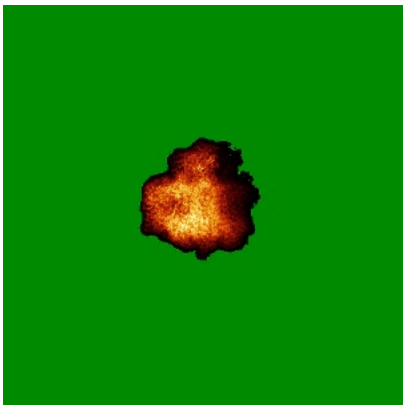


Z Index: 270

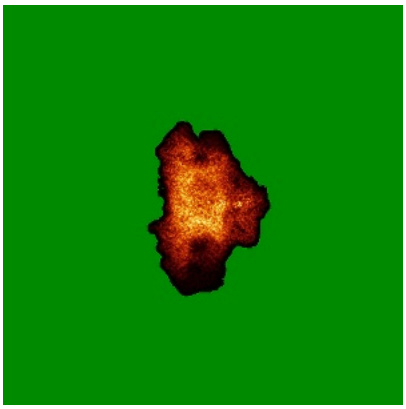
The images above show the largest variance slices of the map in three orthogonal directions.

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

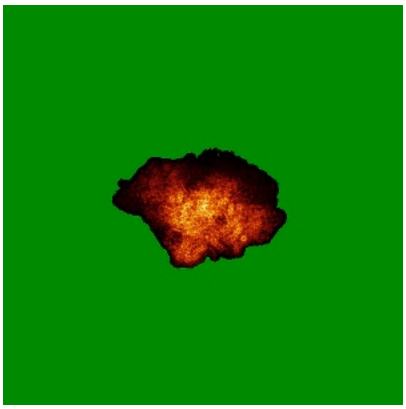
6.4.1 Primary map



X

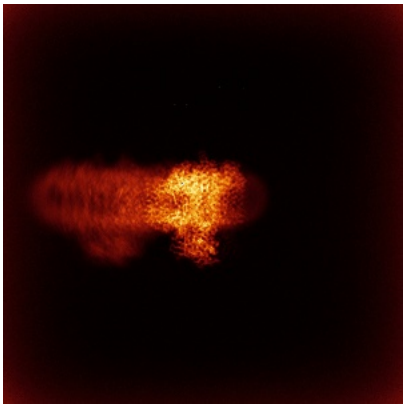


Y

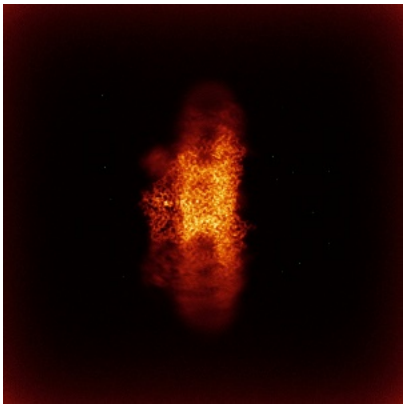


Z

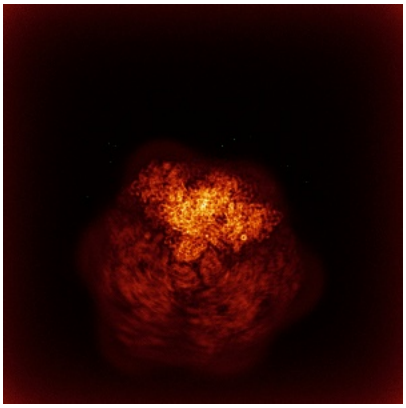
6.4.2 Raw map



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 0.0127. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

6.5.2 Raw map



X Y Z

These images show the 3D surface of the raw map. The raw map's contour level was selected so that its surface encloses the same volume as the primary map does at its recommended contour level.

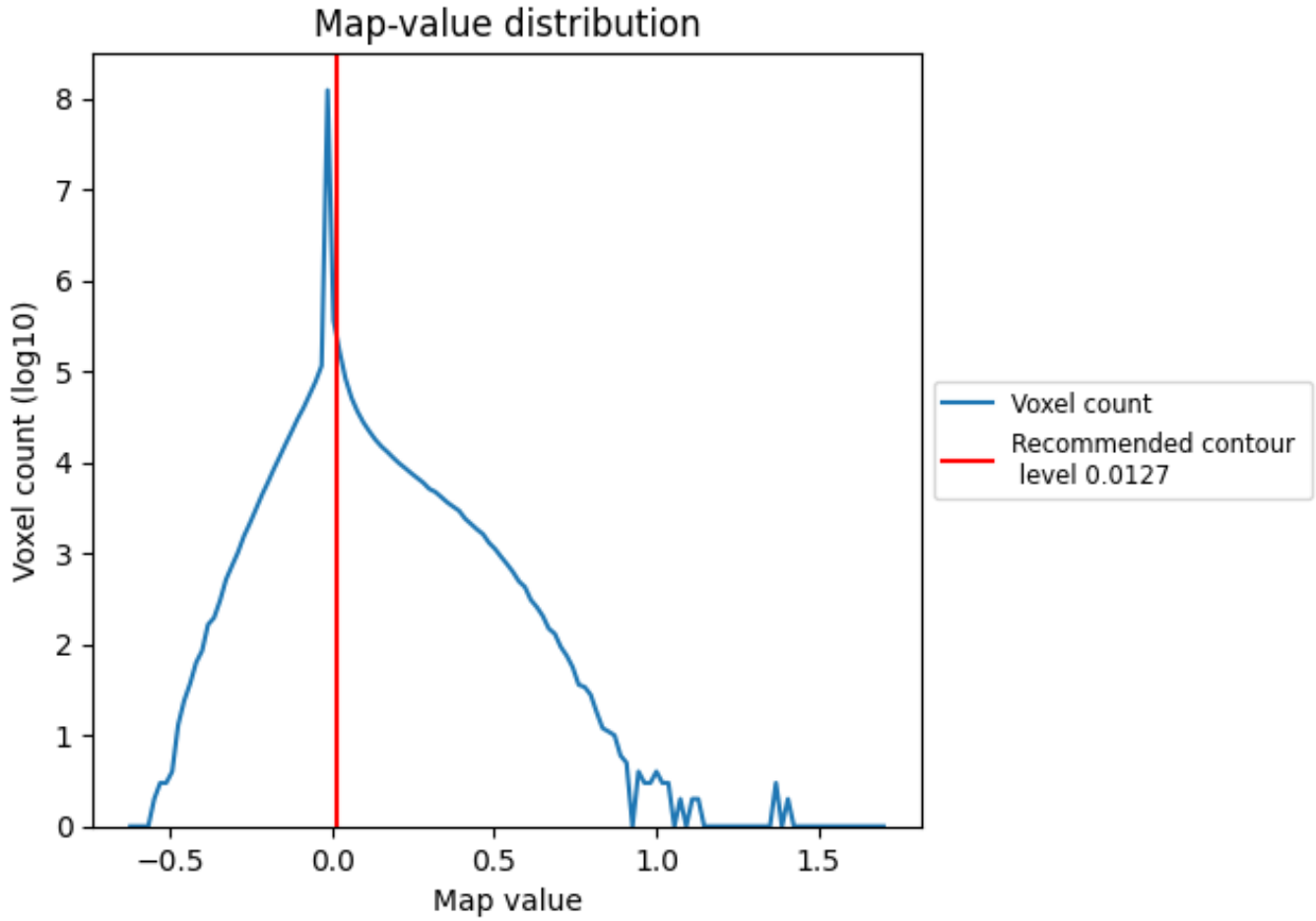
6.6 Mask visualisation (i)

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

7 Map analysis

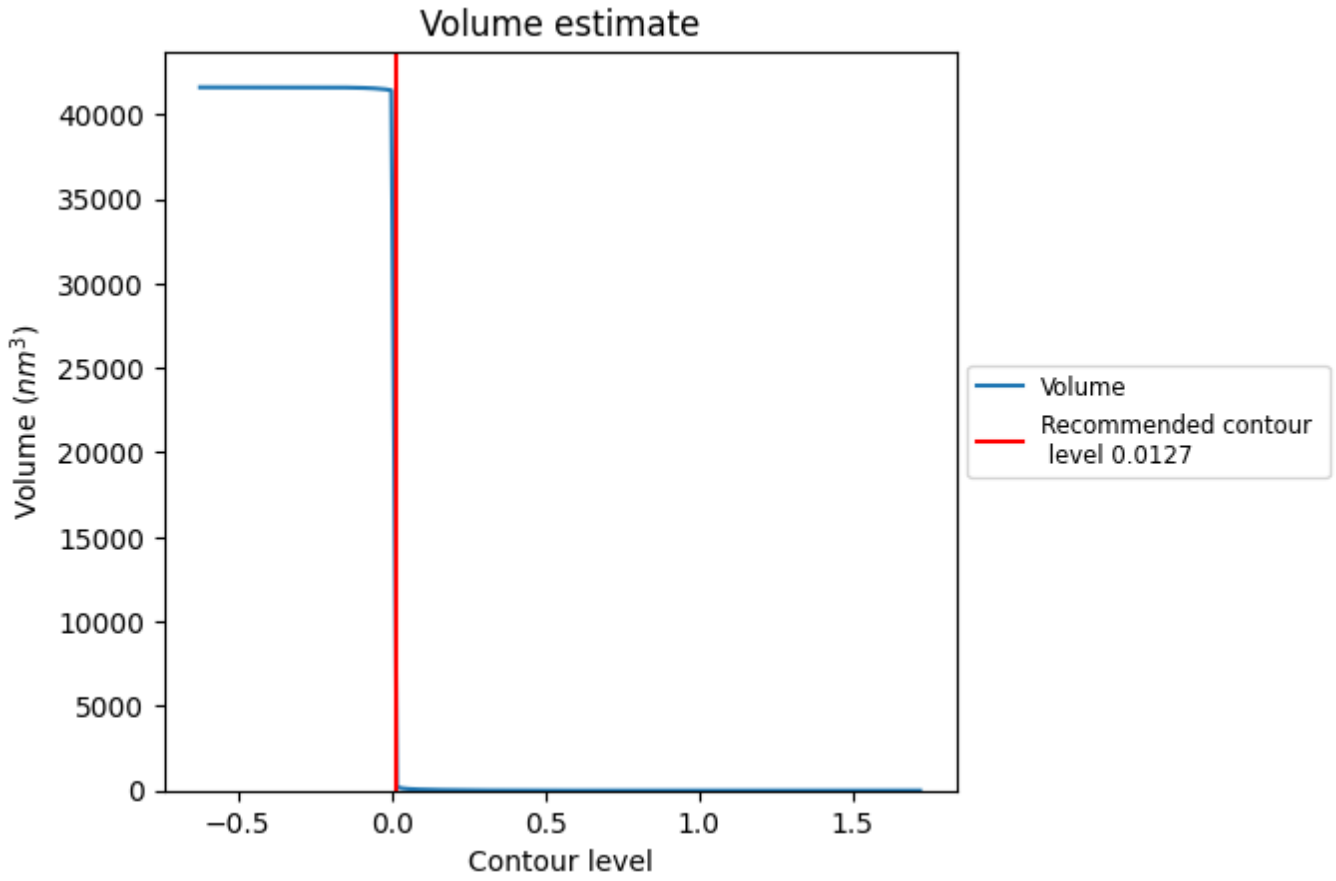
This section contains the results of statistical analysis of the map.

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.

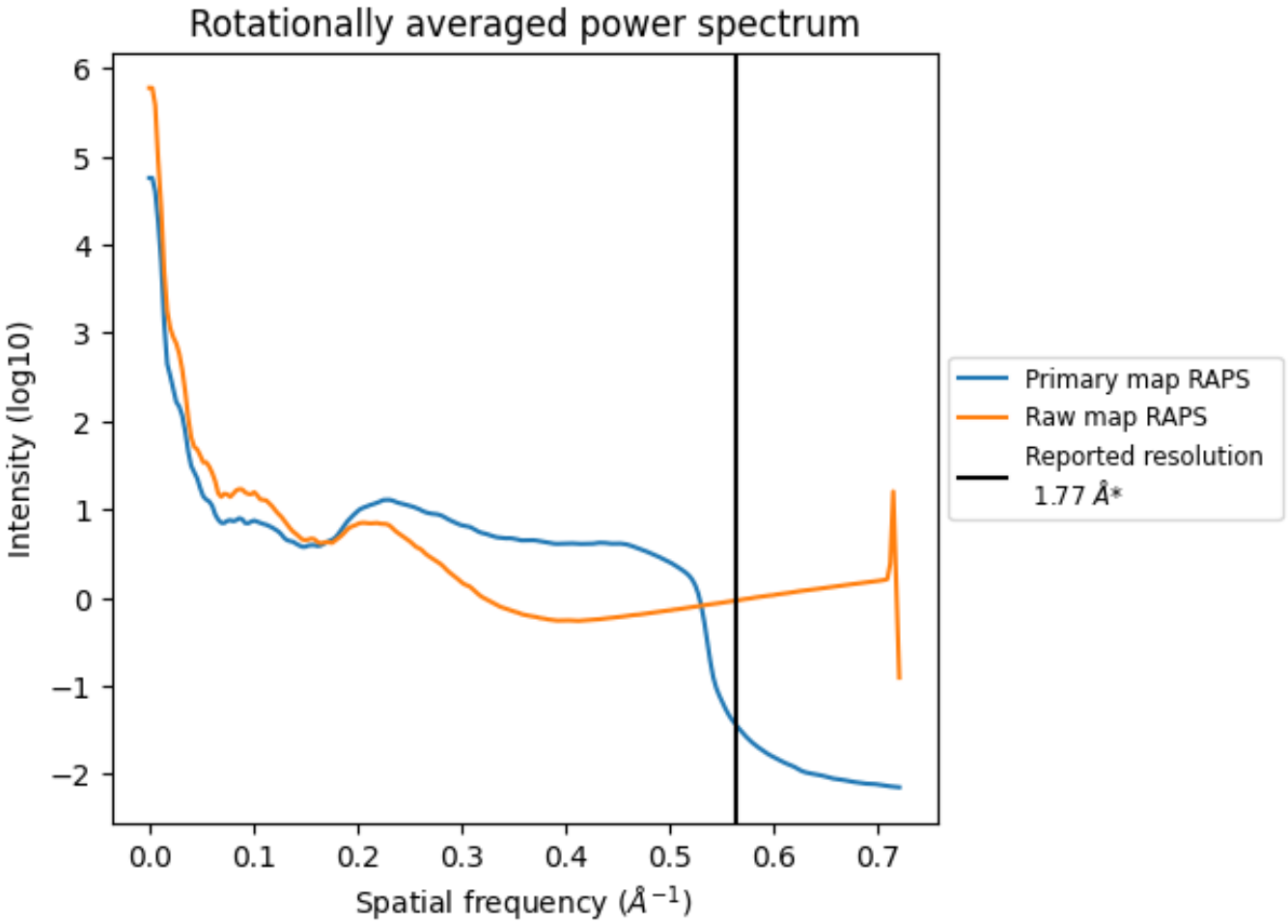
7.2 Volume estimate



The volume at the recommended contour level is 12168 nm^3; this corresponds to an approximate mass of 10992 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)

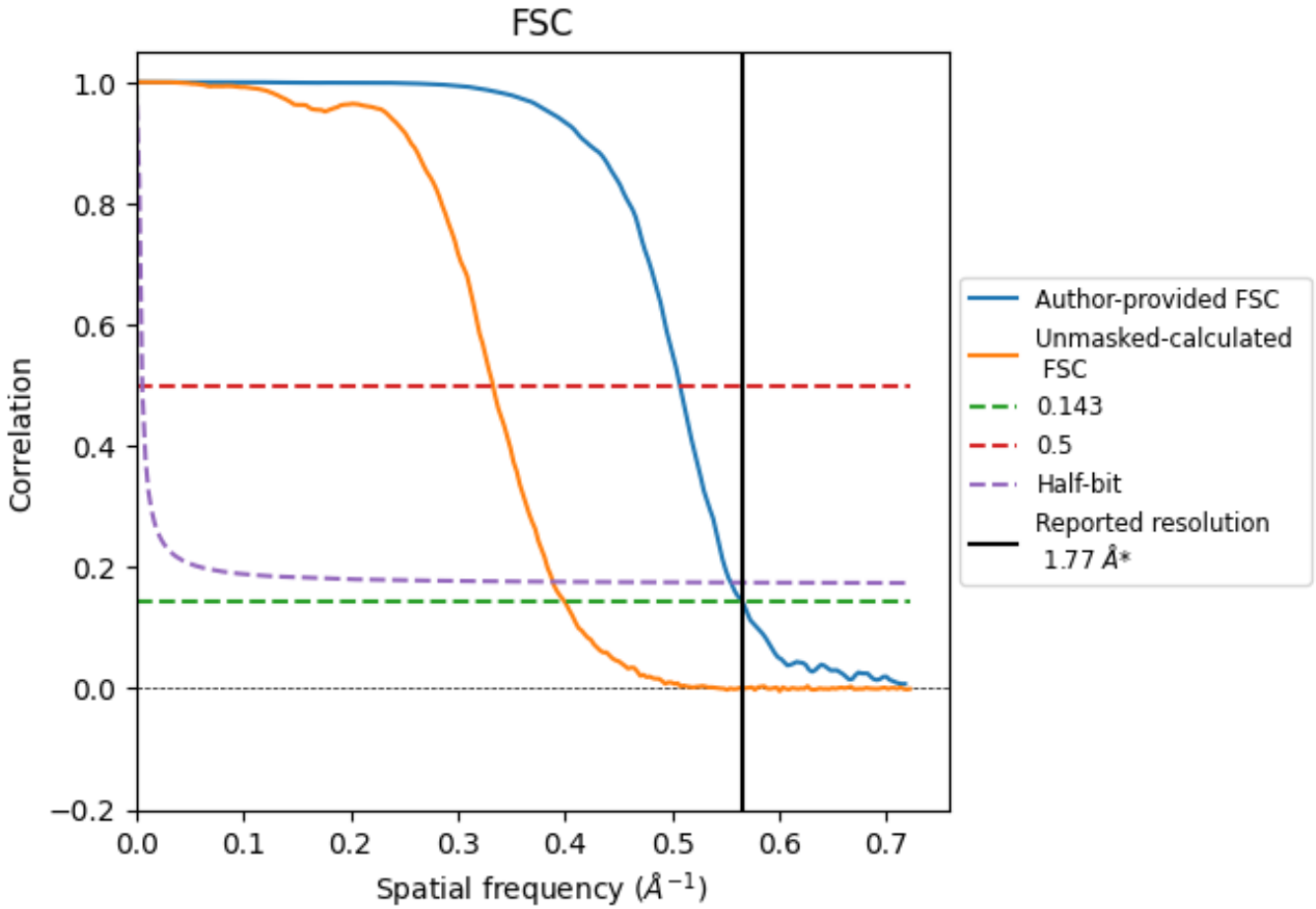


*Reported resolution corresponds to spatial frequency of 0.565 Å^{-1}

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 0.565 Å^{-1}

8.2 Resolution estimates (i)

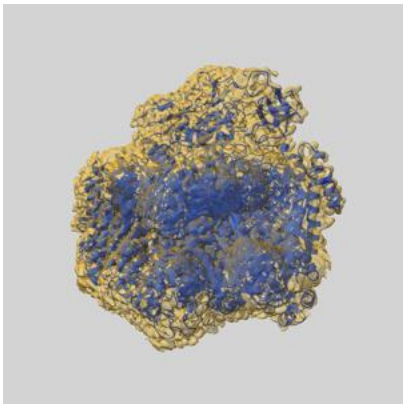
Resolution estimate (Å)	Estimation criterion (FSC cut-off)		
	0.143	0.5	Half-bit
Reported by author	1.77	-	-
Author-provided FSC curve	1.77	1.97	1.80
Unmasked-calculated*	2.50	3.00	2.57

*Resolution estimate based on FSC curve calculated by comparison of deposited half-maps. The value from deposited half-maps intersecting FSC 0.143 CUT-OFF 2.50 differs from the reported value 1.77 by more than 10 %

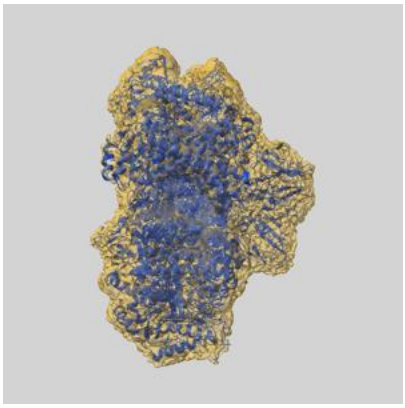
9 Map-model fit

This section contains information regarding the fit between EMDB map EMD-77326 and PDB model 36AI. Per-residue inclusion information can be found in section 3 on page 20.

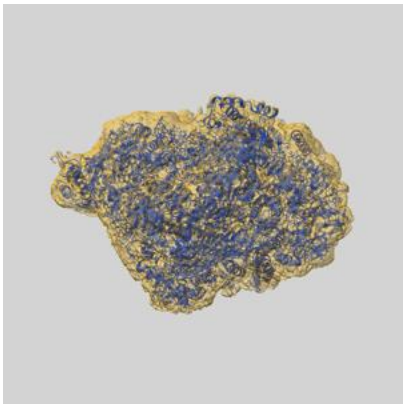
9.1 Map-model overlay



X



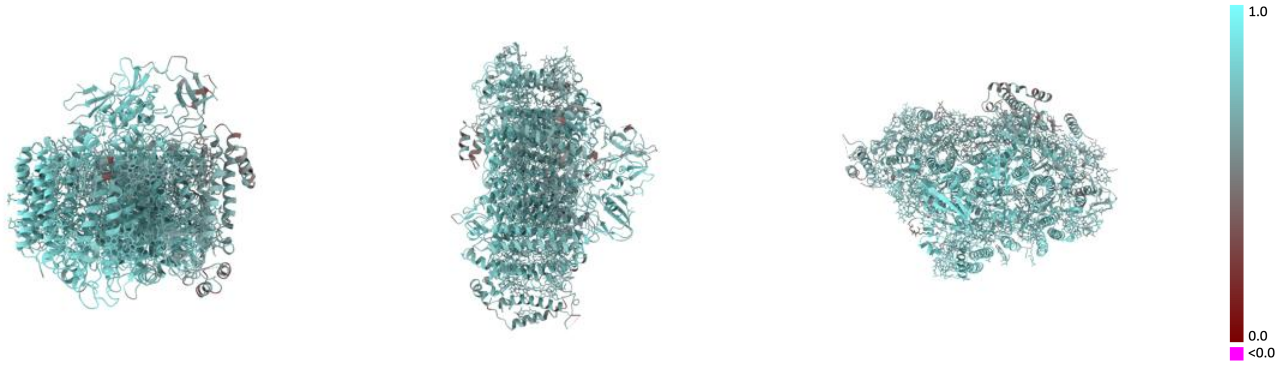
Y



Z

The images above show the 3D surface view of the map at the recommended contour level 0.0127 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.

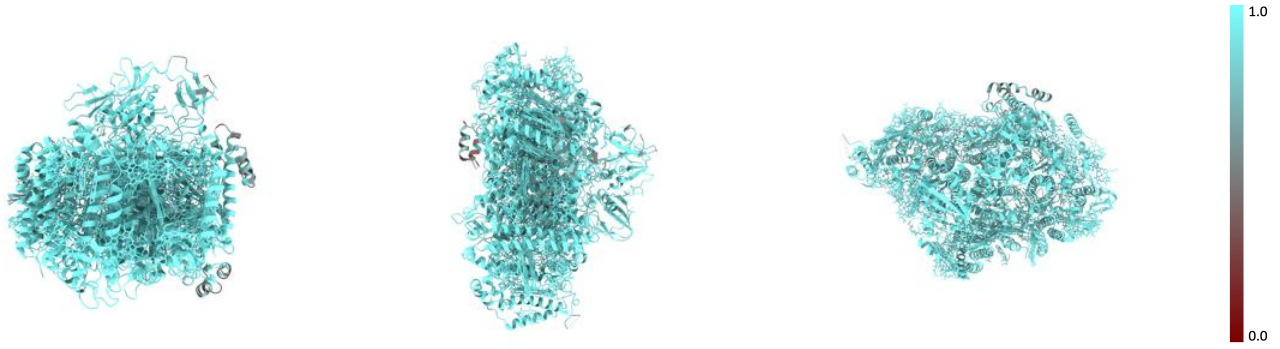
9.2 Q-score mapped to coordinate model (i)



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.

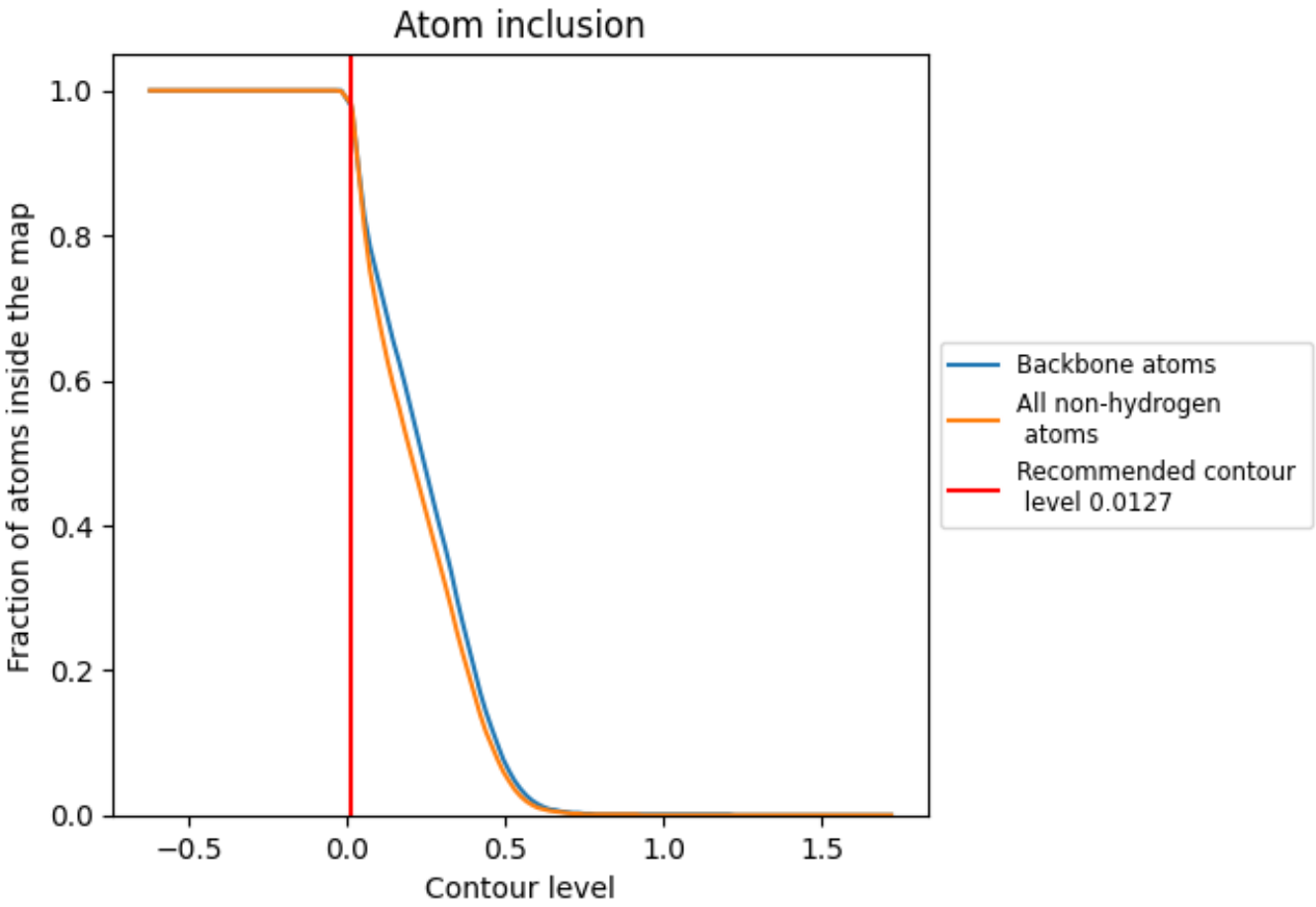
9.3 Atom inclusion mapped to coordinate model (i)



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 (0.0127).

9.4 Atom inclusion (i)



At the recommended contour level, 98% of all backbone atoms, 98% 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 (0.0127) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	0.9820	0.7460
A	0.9950	0.7580
B	0.9930	0.7660
C	0.9980	0.8080
D	0.9890	0.7690
E	0.8930	0.6260
F	0.8310	0.5640
I	0.9970	0.8010
K	0.9650	0.5890
L	0.9910	0.7730
M	0.9960	0.7800
X	0.9950	0.6140

