



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 8, 2026 – 09:32 AM UTC

PDB ID : 1DMR / pdb_00001dmr
Title : OXIDIZED DMSO REDUCTASE FROM RHODOBACTER CAPSULATUS
Authors : Mcalpine, A.S.; Bailey, S.
Deposited on : 1997-04-22
Resolution : 1.82 Å(reported)

This is a Full wwPDB X-ray Structure 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/XrayValidationReportHelp>

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:

MolProbity : 4-5-2 with Phenix2.0
Mogul : 2022.3.0, CSD as543be (2022)
Xtriage (Phenix) : 2.0
EDS : 3.0
Buster-report : wwPDB partial adaption of 1.1.7 (2018)
Percentile statistics : 20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4 : 9.0.010 (Gargrove)
Density-Fitness : 1.0.12
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.49

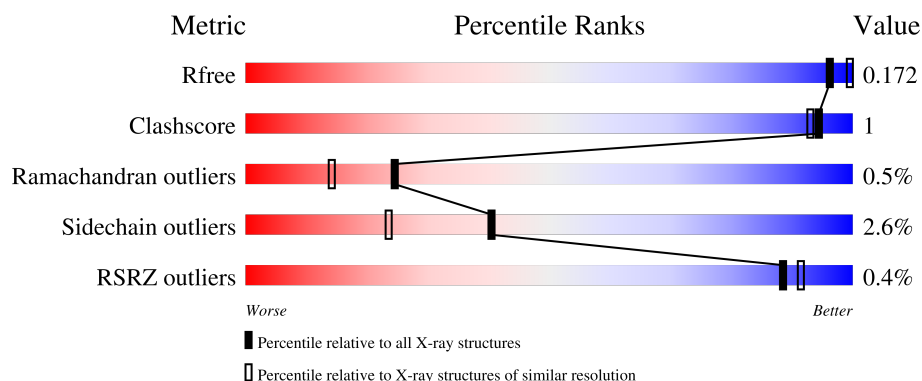
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 1.82 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)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	1112 (1.82-1.82)
Clashscore	190562	1148 (1.82-1.82)
Ramachandran outliers	187476	1140 (1.82-1.82)
Sidechain outliers	187428	1140 (1.82-1.82)
RSRZ outliers	180081	1112 (1.82-1.82)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments of the lower 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 $\leq 5\%$. The upper red bar (where present) indicates the fraction of residues that have poor fit to the electron density. The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	A	823	 88% 6% • 5%

2 Entry composition

There are 5 unique types of molecules in this entry. The entry contains 6605 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the ZeroOcc column contains the number of atoms modelled with zero occupancy, 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.

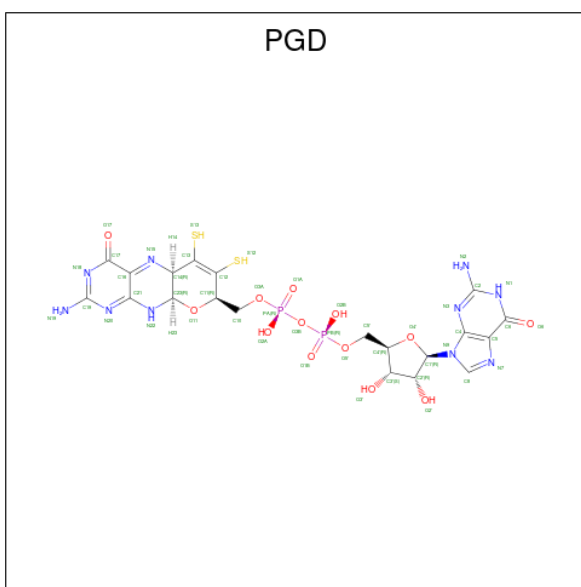
- Molecule 1 is a protein called DMSO REDUCTASE.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	779	Total	C	N	O	S	88	0	0
			5972	3797	1011	1137	27			

There are 14 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	39	SER	THR	conflict	UNP Q52675
A	43	ALA	GLU	conflict	UNP Q52675
A	107	GLU	GLN	conflict	UNP Q52675
A	234	GLU	ASP	conflict	UNP Q52675
A	236	ILE	VAL	conflict	UNP Q52675
A	280	ASP	MET	conflict	UNP Q52675
A	294	GLU	SER	conflict	UNP Q52675
A	295	GLY	ASP	conflict	UNP Q52675
A	312	GLU	ILE	conflict	UNP Q52675
A	374	ALA	SER	conflict	UNP Q52675
A	456	VAL	ILE	conflict	UNP Q52675
A	526	ALA	LYS	conflict	UNP Q52675
A	552	ALA	GLY	conflict	UNP Q52675
A	555	GLN	GLU	conflict	UNP Q52675

- Molecule 2 is 2-AMINO-5,6-DIMERCAPTO-7-METHYL-3,7,8A,9-TETRAHYDRO-8-OXA-1,3,9,10-TETRAAZA-ANTHRACEN-4-ONE GUANOSINE DINUCLEOTIDE (CCD ID: PGD) (formula: C₂₀H₂₄N₁₀O₁₃P₂S₂).



Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
2	A	1	Total	C	N	O	P	S	
			47	20	10	13	2	2	0
2	A	1	Total	C	N	O	P	S	
			47	20	10	13	2	2	0

- Molecule 3 is MOLYBDENUM(VI) ION (CCD ID: 6MO) (formula: Mo).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
3	A	1	Total	Mo		
			1	1	0	0

- Molecule 4 is OXYGEN ATOM (CCD ID: O) (formula: O).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	A	2	Total	O		
			2	2	0	0

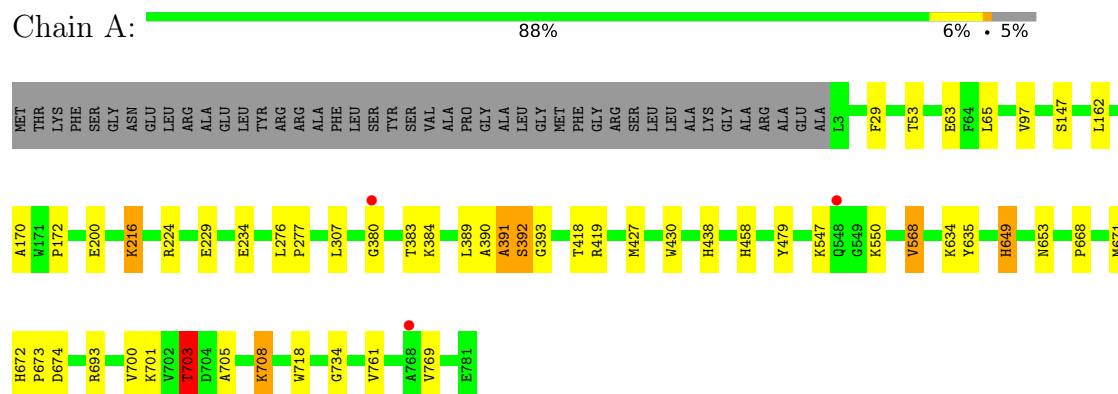
- Molecule 5 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
5	A	536	Total	O		
			536	536	0	0

3 Residue-property plots

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 electron 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 dot above a residue indicates a poor fit to the electron density ($RSRZ > 2$). 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: DMSO REDUCTASE



4 Data and refinement statistics

Property	Value	Source
Space group	P 41 21 2	Depositor
Cell constants a, b, c, α , β , γ	80.88Å 80.88Å 229.70Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	20.00 – 1.82 20.00 – 1.82	Depositor EDS
% Data completeness (in resolution range)	97.4 (20.00-1.82) 96.9 (20.00-1.82)	Depositor EDS
R_{merge}	0.08	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	3.42 (at 1.82Å)	Xtriage
Refinement program	REFMAC	Depositor
R, R_{free}	0.147 , 0.184 0.138 , 0.172	Depositor DCC
R_{free} test set	3441 reflections (5.15%)	wwPDB-VP
Wilson B-factor (Å ²)	13.2	Xtriage
Anisotropy	0.054	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.35 , 55.2	EDS
L-test for twinning ²	$\langle L \rangle = 0.49$, $\langle L^2 \rangle = 0.32$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.97	EDS
Total number of atoms	6605	wwPDB-VP
Average B, all atoms (Å ²)	16.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 3.11% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

²Theoretical values of $\langle |L| \rangle$, $\langle L^2 \rangle$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

5 Model quality

5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: 6MO, PGD, O

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	0.48	1/6133 (0.0%)	1.22	22/8349 (0.3%)

All (1) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	A	393	GLY	C-N	-5.65	1.25	1.33

All (22) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	693	ARG	CD-NE-CZ	27.05	162.27	124.40
1	A	380	GLY	O-C-N	-10.38	112.11	122.17
1	A	383	THR	CA-C-N	9.13	138.97	121.54
1	A	383	THR	C-N-CA	9.13	138.97	121.54
1	A	703	THR	CB-CA-C	-7.88	95.74	110.16
1	A	693	ARG	NE-CZ-NH1	-7.56	113.94	121.50
1	A	392	SER	CA-CB-OG	6.49	124.08	111.10
1	A	458	HIS	CA-CB-CG	6.37	120.17	113.80
1	A	391	ALA	N-CA-C	-6.31	97.36	110.80
1	A	438	HIS	CA-CB-CG	6.00	119.80	113.80
1	A	393	GLY	CA-C-N	5.93	130.15	121.31
1	A	393	GLY	C-N-CA	5.93	130.15	121.31
1	A	568	VAL	CB-CA-C	-5.74	101.96	110.33
1	A	700	VAL	N-CA-C	5.58	117.36	108.87
1	A	693	ARG	NH1-CZ-NH2	5.55	126.52	119.30
1	A	29	PHE	CA-CB-CG	5.52	119.32	113.80
1	A	568	VAL	N-CA-CB	5.31	119.27	111.52
1	A	383	THR	CA-C-O	5.25	128.02	120.51
1	A	479	TYR	CA-CB-CG	-5.20	104.54	113.90
1	A	635	TYR	CB-CA-C	5.13	116.53	108.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	703	THR	CA-C-O	-5.04	115.35	120.89
1	A	649	HIS	CB-CA-C	-5.02	110.40	117.23

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts ⓘ

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	5972	0	5776	15	3
2	A	94	0	40	1	0
3	A	1	0	0	0	0
4	A	2	0	0	1	0
5	A	536	0	0	3	3
All	All	6605	0	5816	15	3

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 1.

All (15) 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)
1:A:97:VAL:HG22	1:A:427:MET:HE1	1.66	0.78
1:A:671:MET:HE1	1:A:761:VAL:HG11	1.71	0.71
1:A:216:LYS:HE2	5:A:1225:HOH:O	1.98	0.64
1:A:147:SER:OG	4:A:785:O:O	2.17	0.62
1:A:63:GLU:OE2	5:A:1066:HOH:O	2.16	0.62
1:A:224:ARG:NH1	5:A:1142:HOH:O	2.30	0.59
1:A:703:THR:HG22	1:A:705:ALA:H	1.74	0.53
1:A:649:HIS:CG	2:A:782:PGD:H102	2.47	0.50
1:A:668:PRO:HB3	1:A:701:LYS:HE3	1.97	0.47
1:A:653:ASN:ND2	1:A:718:TRP:H	2.13	0.45
1:A:674:ASP:HB2	1:A:708:LYS:HD2	1.99	0.44
1:A:170:ALA:HB1	1:A:172:PRO:HD2	2.01	0.43
1:A:276:LEU:HB3	1:A:277:PRO:HD3	2.03	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:216:LYS:NZ	1:A:234:GLU:OE1	2.54	0.41
1:A:672:HIS:CG	1:A:673:PRO:HD2	2.56	0.41

All (3) symmetry-related close contacts are listed below. The label for Atom-2 includes the symmetry operator and encoded unit-cell translations to be applied.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:418:THR:CG2	5:A:1307:HOH:O[5_445]	1.93	0.27
1:A:634:LYS:NZ	5:A:1232:HOH:O[3_555]	1.95	0.25
1:A:229:GLU:CG	5:A:1276:HOH:O[5_455]	2.13	0.07

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 X-ray entries followed by that with respect to entries of similar resolution.

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	777/823 (94%)	753 (97%)	20 (3%)	4 (0%)	24 14

All (4) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	384	LYS
1	A	390	ALA
1	A	391	ALA
1	A	734	GLY

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 X-ray entries followed by that with respect to entries of similar resolution.

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	617/648 (95%)	601 (97%)	16 (3%)	40 23

All (16) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	53	THR
1	A	65	LEU
1	A	162	LEU
1	A	200	GLU
1	A	216	LYS
1	A	307	LEU
1	A	389	LEU
1	A	392	SER
1	A	419	ARG
1	A	430	TRP
1	A	547	LYS
1	A	550	LYS
1	A	568	VAL
1	A	703	THR
1	A	708	LYS
1	A	769	VAL

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (1) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	653	ASN

5.3.3 RNA ⓘ

There are no RNA molecules in this entry.

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

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

5.5 Carbohydrates ⓘ

There are no oligosaccharides in this entry.

5.6 Ligand geometry

Of 5 ligands modelled in this entry, 3 are monoatomic - leaving 2 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
2	PGD	A	782	4,3	46,52,52	3.58	15 (32%)	56,81,81	1.60	10 (17%)
2	PGD	A	783	3	46,52,52	3.44	17 (36%)	56,81,81	1.47	9 (16%)

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
2	PGD	A	782	4,3	-	5/22/82/82	0/6/6/6
2	PGD	A	783	3	-	0/22/82/82	0/6/6/6

All (32) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	A	782	PGD	C16-N15	17.75	1.45	1.28
2	A	783	PGD	C16-N15	16.73	1.44	1.28
2	A	783	PGD	C21-N22	7.97	1.43	1.35
2	A	782	PGD	C21-N22	7.52	1.43	1.35
2	A	782	PGD	PB-O1B	6.25	1.72	1.50
2	A	783	PGD	PB-O1B	5.93	1.71	1.50
2	A	783	PGD	PA-O1A	5.59	1.70	1.50
2	A	782	PGD	PA-O3B	5.09	1.65	1.59
2	A	782	PGD	PA-O1A	4.76	1.67	1.50
2	A	783	PGD	PA-O3A	3.92	1.74	1.59
2	A	782	PGD	PB-O5'	3.70	1.73	1.59
2	A	782	PGD	PB-O3B	3.58	1.63	1.59
2	A	782	PGD	PA-O2A	3.47	1.71	1.55
2	A	782	PGD	PA-O3A	3.41	1.72	1.59
2	A	783	PGD	PB-O5'	3.34	1.72	1.59
2	A	783	PGD	PB-O2B	3.20	1.70	1.55

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	A	782	PGD	C2-N2	3.14	1.41	1.34
2	A	783	PGD	C2-N2	3.04	1.41	1.34
2	A	783	PGD	PA-O3B	2.97	1.62	1.59
2	A	783	PGD	PA-O2A	2.95	1.69	1.55
2	A	783	PGD	C19-N19	2.83	1.42	1.34
2	A	782	PGD	PB-O2B	2.78	1.68	1.55
2	A	782	PGD	C19-N19	2.75	1.42	1.34
2	A	782	PGD	C17-C16	-2.73	1.39	1.47
2	A	783	PGD	C10-C11	2.68	1.55	1.51
2	A	783	PGD	PB-O3B	2.59	1.62	1.59
2	A	783	PGD	C17-C16	-2.58	1.40	1.47
2	A	783	PGD	O11-C23	-2.32	1.40	1.43
2	A	782	PGD	C10-C11	2.31	1.55	1.51
2	A	782	PGD	C21-N20	2.29	1.36	1.32
2	A	783	PGD	C21-N20	2.19	1.36	1.32
2	A	783	PGD	C5-N7	-2.04	1.35	1.39

All (19) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	A	782	PGD	C17-C16-N15	5.59	124.11	118.06
2	A	783	PGD	C17-C16-N15	4.87	123.33	118.06
2	A	783	PGD	N20-C19-N18	-4.11	119.92	126.44
2	A	782	PGD	N20-C19-N18	-3.54	120.83	126.44
2	A	782	PGD	C5-C4-N3	-3.23	123.24	128.39
2	A	782	PGD	O3B-PB-O1B	-2.97	101.76	110.70
2	A	783	PGD	C4'-O4'-C1'	-2.88	103.11	109.47
2	A	783	PGD	N19-C19-N18	2.71	121.28	117.09
2	A	782	PGD	C2-N1-C6	-2.71	120.20	125.11
2	A	783	PGD	C5-C4-N3	-2.54	124.34	128.39
2	A	783	PGD	C5-C4-N9	2.43	110.01	105.66
2	A	782	PGD	O3A-C10-C11	-2.42	102.59	108.58
2	A	783	PGD	O3B-PB-O1B	-2.41	103.44	110.70
2	A	782	PGD	C5-C4-N9	2.31	109.79	105.66
2	A	782	PGD	C14-N15-C16	-2.30	111.77	117.20
2	A	783	PGD	PA-O3A-C10	-2.26	108.41	121.35
2	A	782	PGD	N19-C19-N18	2.11	120.35	117.09
2	A	783	PGD	C2-N3-C4	2.08	115.89	112.30
2	A	782	PGD	O3A-PA-O1A	2.01	116.89	108.94

There are no chirality outliers.

All (5) torsion outliers are listed below:

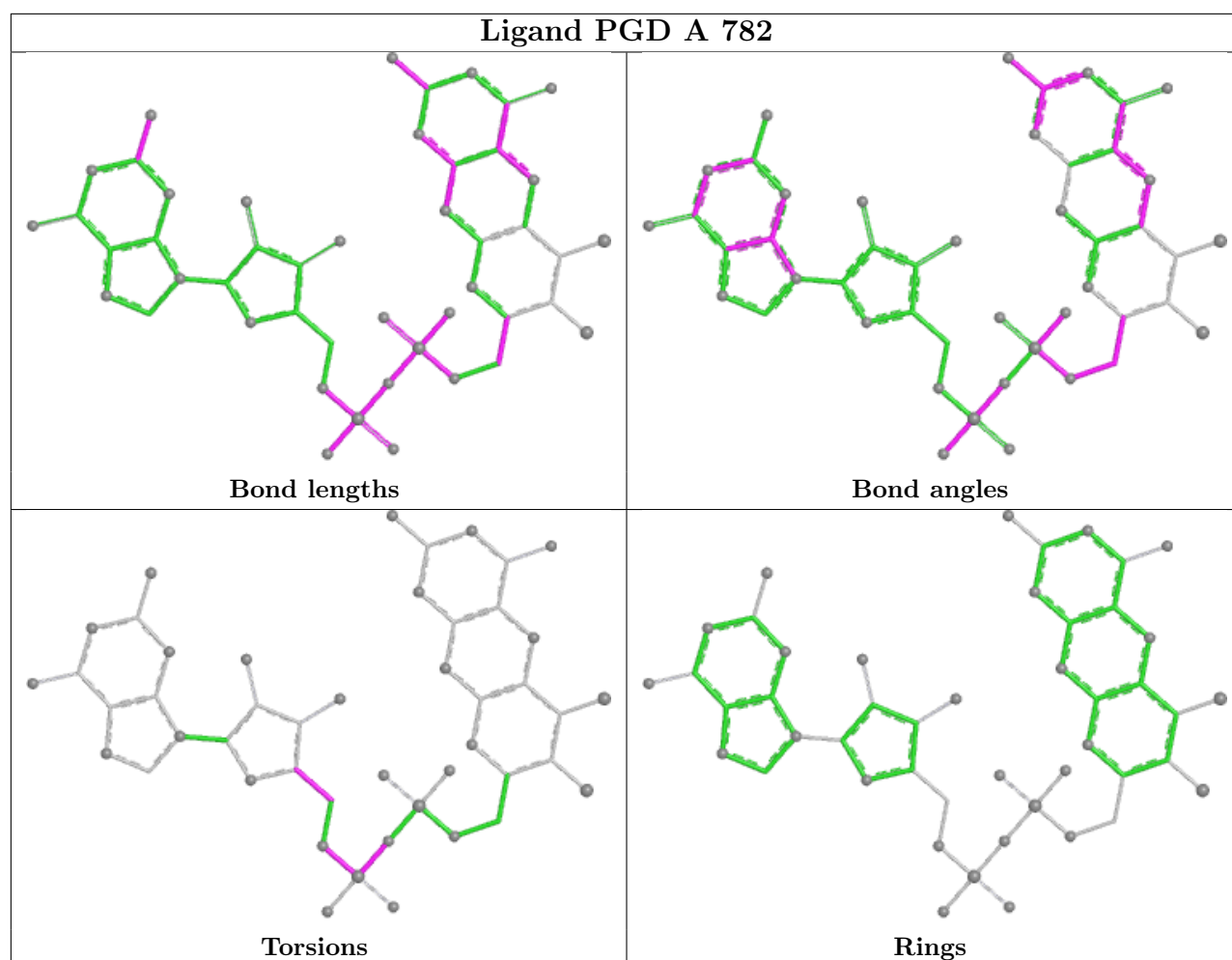
Mol	Chain	Res	Type	Atoms
2	A	782	PGD	PA-O3B-PB-O5'
2	A	782	PGD	C5'-O5'-PB-O1B
2	A	782	PGD	C5'-O5'-PB-O2B
2	A	782	PGD	C5'-O5'-PB-O3B
2	A	782	PGD	O4'-C4'-C5'-O5'

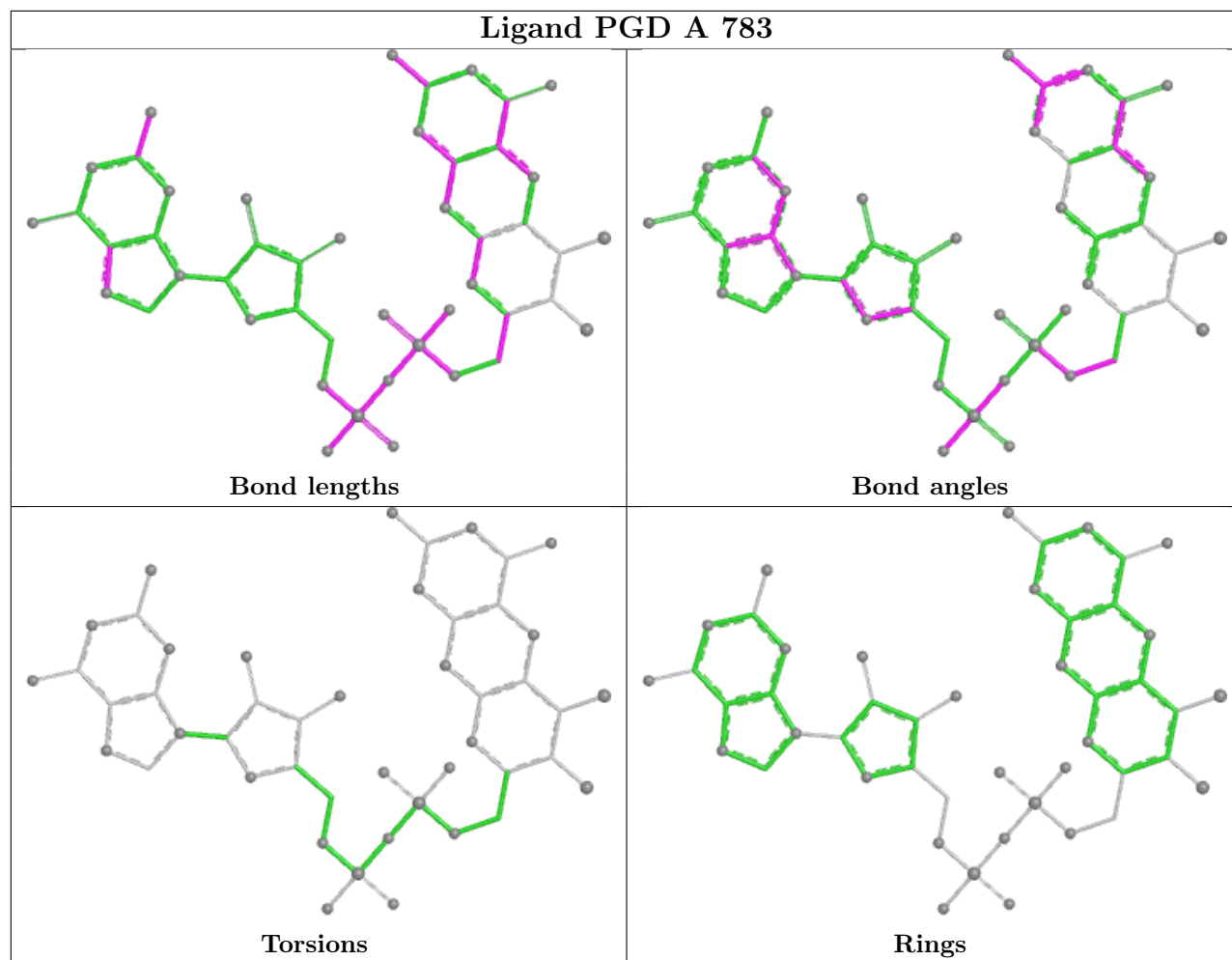
There are no ring outliers.

1 monomer is involved in 1 short contact:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
2	A	782	PGD	1	0

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





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 Fit of model and data [i](#)

6.1 Protein, DNA and RNA chains [i](#)

In the following table, the column labelled ‘#RSRZ> 2’ contains the number (and percentage) of RSRZ outliers, followed by percent RSRZ outliers for the chain as percentile scores relative to all X-ray entries and entries of similar resolution. The OWAB column contains the minimum, median, 95th percentile and maximum values of the occupancy-weighted average B-factor per residue. The column labelled ‘Q< 0.9’ lists the number of (and percentage) of residues with an average occupancy less than 0.9.

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	A	766/823 (93%)	-0.73	3 (0%) 88 91	7, 13, 27, 44	0

All (3) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	A	548	GLN	3.0
1	A	380	GLY	2.3
1	A	768	ALA	2.1

6.2 Non-standard residues in protein, DNA, RNA chains [i](#)

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

6.3 Carbohydrates [i](#)

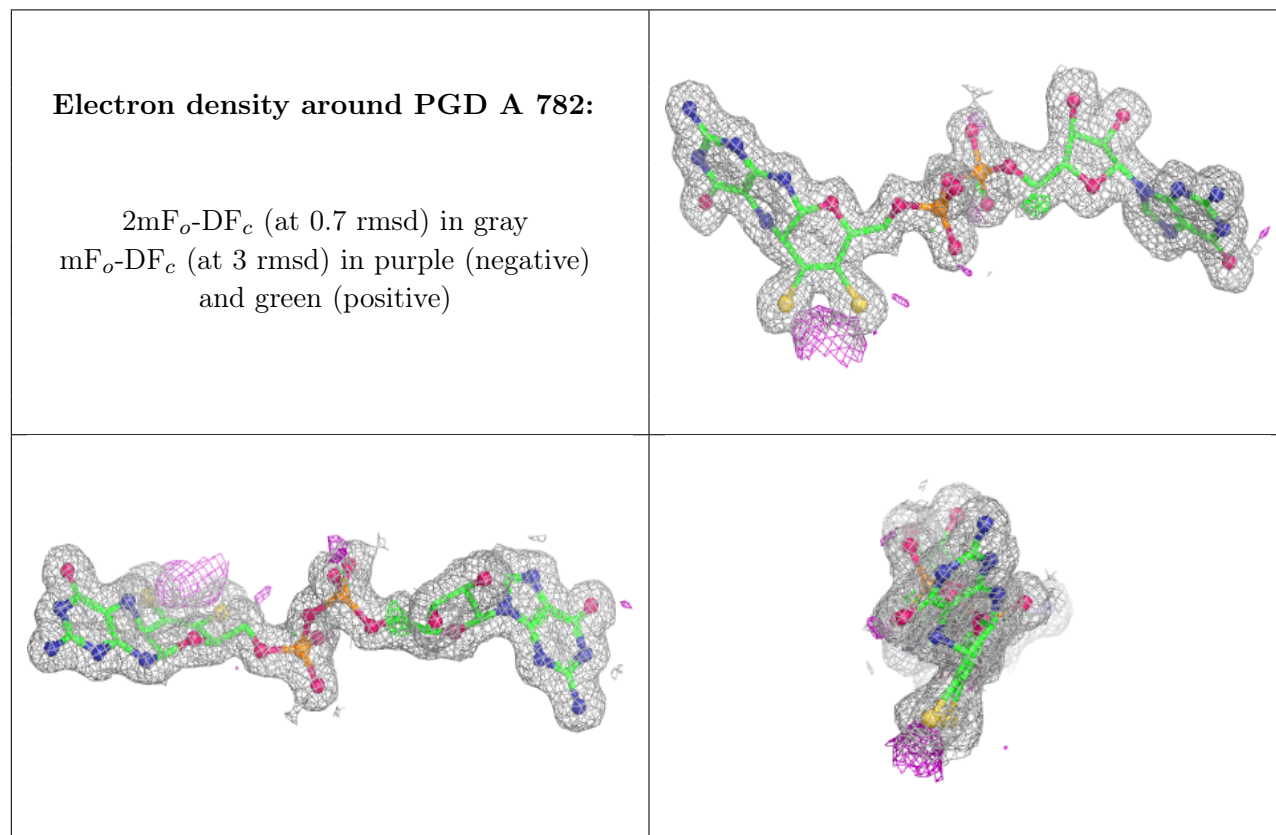
There are no oligosaccharides in this entry.

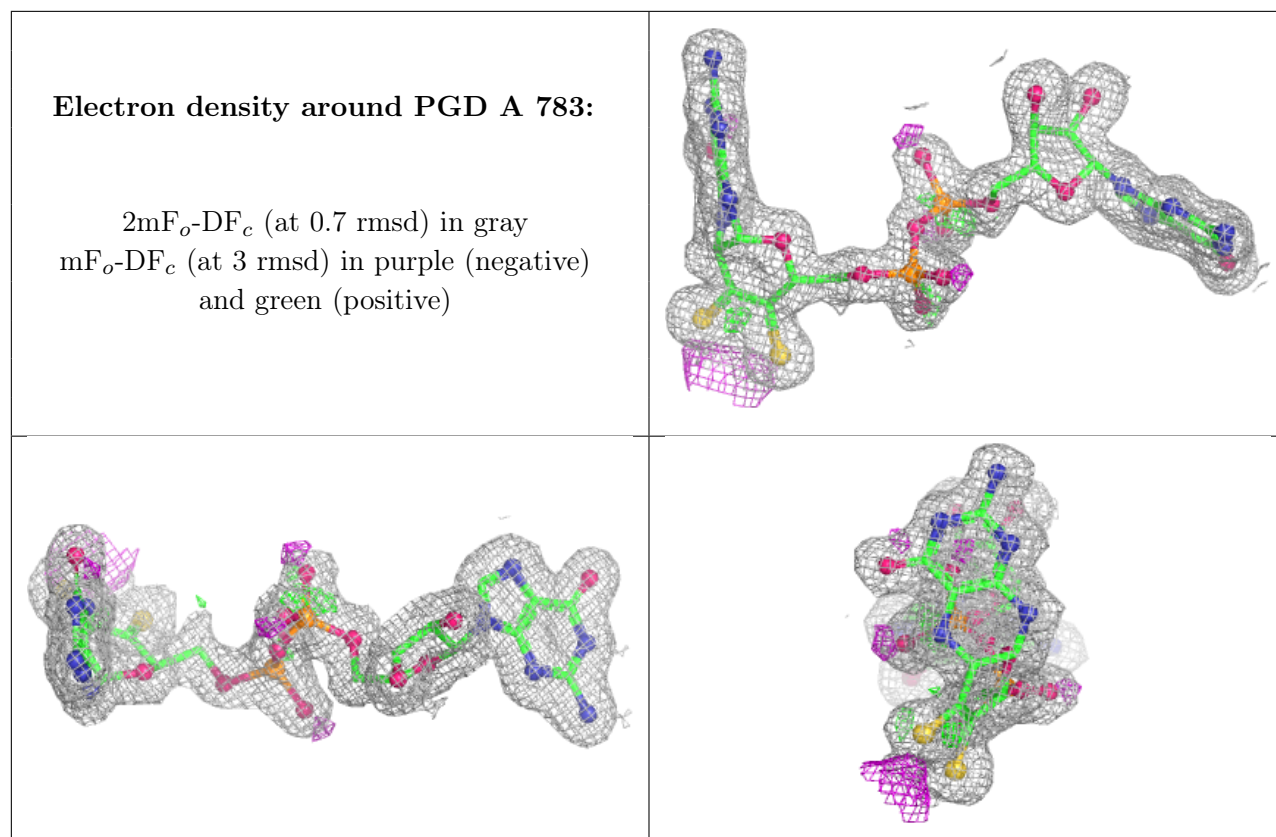
6.4 Ligands [i](#)

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled ‘Q< 0.9’ lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
2	PGD	A	782	47/47	0.98	0.04	4,7,9,10	0
2	PGD	A	783	47/47	0.98	0.04	5,8,10,10	0
3	6MO	A	784	1/1	1.00	0.04	12,12,12,12	0
4	O	A	785	1/1	1.00	0.10	12,12,12,12	0
4	O	A	786	1/1	1.00	0.10	9,9,9,9	0

The following is a graphical depiction of the model fit to experimental electron density of all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the geometry validation Tables will also be included. Each fit is shown from different orientation to approximate a three-dimensional view.





6.5 Other polymers ⓘ

There are no such residues in this entry.