



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 8, 2026 – 04:18 PM UTC

PDB ID : 4UVA / pdb_00004uva
Title : LSD1(KDM1A)-CoREST in complex with 1-Methyl-Tranylcypromine (1R,2S)
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Deposited on : 2014-08-05
Resolution : 2.90 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

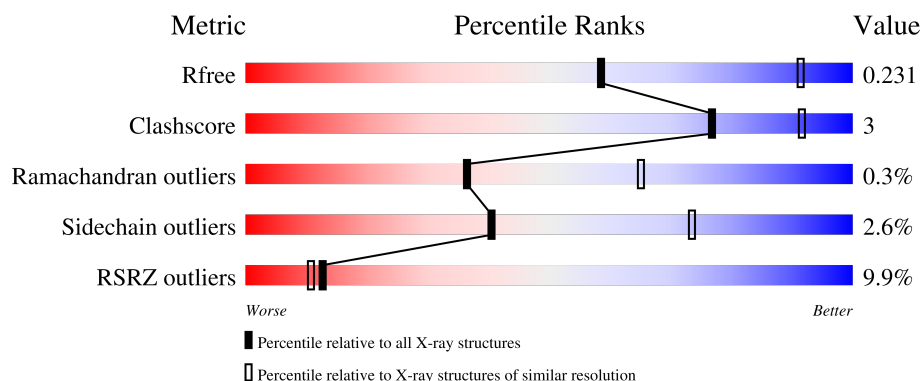
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.90 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	2481 (2.90-2.90)
Clashscore	190562	2690 (2.90-2.90)
Ramachandran outliers	187476	2623 (2.90-2.90)
Sidechain outliers	187428	2625 (2.90-2.90)
RSRZ outliers	180081	2481 (2.90-2.90)

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	872	6% 69% 7% 24%
2	B	482	5% 26% 72%

2 Entry composition

There are 4 unique types of molecules in this entry. The entry contains 6358 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 LYSINE-SPECIFIC HISTONE DEMETHYLASE 1A.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
1	A	666	5217	3324	906	967	20	0	0	0

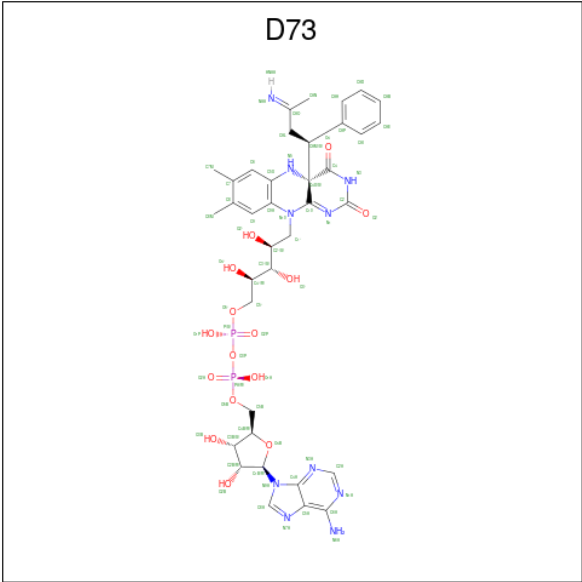
There are 5 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	171	PRO	ALA	conflict	UNP O60341
A	?	-	ASP	deletion	UNP O60341
A	?	-	THR	deletion	UNP O60341
A	?	-	VAL	deletion	UNP O60341
A	?	-	LYS	deletion	UNP O60341

- Molecule 2 is a protein called REST COREPRESSOR 1.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
			Total	C	N	O	S			
2	B	133	1076	676	194	203	3	0	0	0

- Molecule 3 is [(2R,3S,4R,5R)-5-(6-amino-9H-purin-9-yl)-3,4-dihydroxytetrahydrofuran-2-yl] methyl (2R,3S,4S)-2,3,4-trihydroxy-5-[(4aS)-4a-[(1S,3E)-3-imino-1-phenylbutyl]-7,8-dimethyl-2,4-dioxo-3,4,4a,5-tetrahydrobenzo[g]pteridin-10(2H)-yl]pentyl dihydrogen diphosphate (CCD ID: D73) (formula: C₃₇H₄₆N₁₀O₁₅P₂).



Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
3	A	1	Total	C	N	O	P	0	0
			64	37	10	15	2		

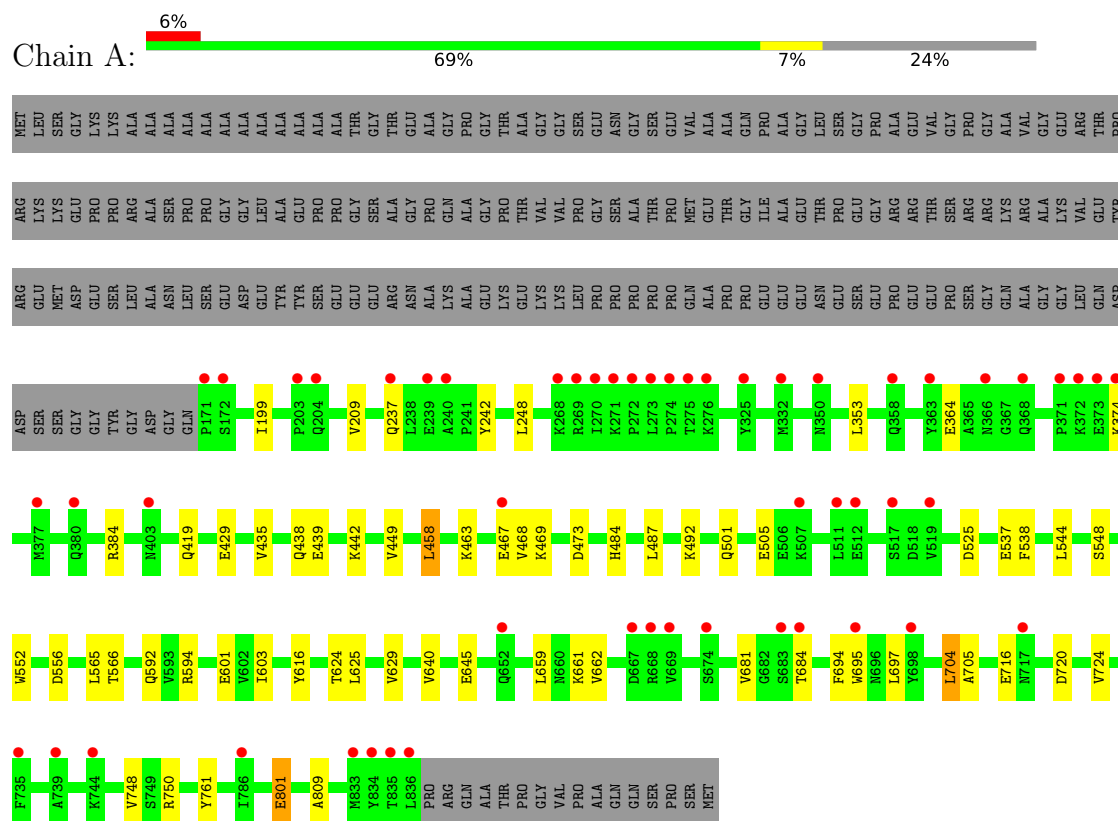
- Molecule 4 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	A	1	Total	O	0	0
			1	1		

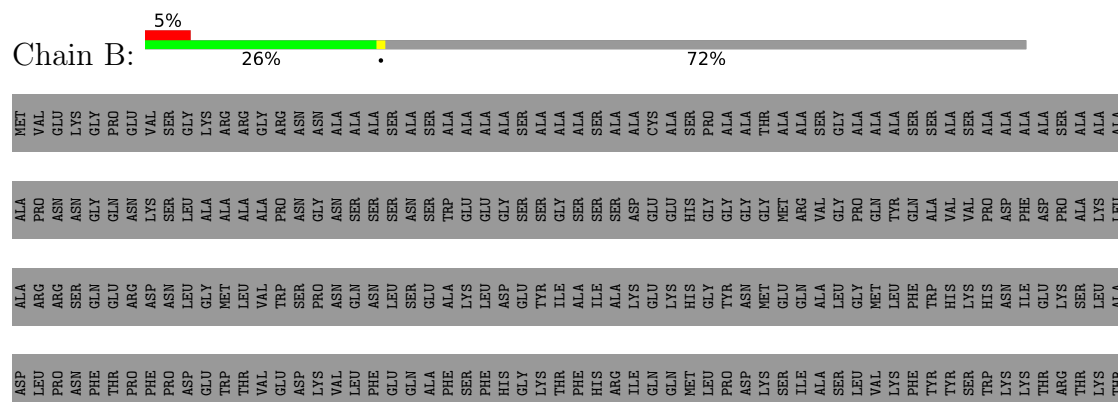
3 Residue-property plots [i](#)

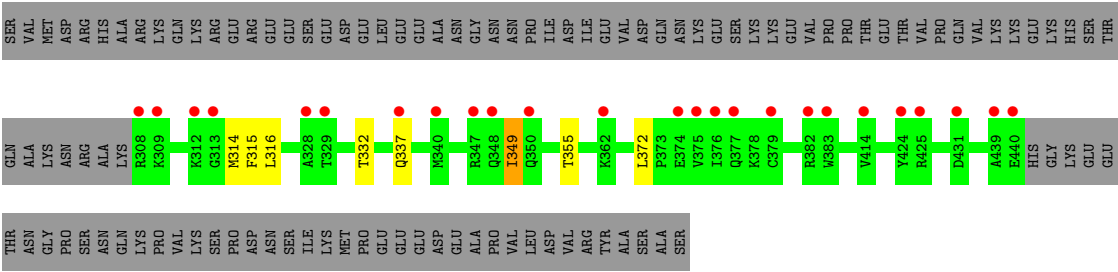
These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density. 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: LYSINE-SPECIFIC HISTONE DEMETHYLASE 1A



• Molecule 2: REST COREPRESSOR 1





4 Data and refinement statistics

Property	Value	Source
Space group	I 2 2 2	Depositor
Cell constants a, b, c, α , β , γ	118.97Å 179.91Å 234.55Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	90.12 – 2.90 90.12 – 2.90	Depositor EDS
% Data completeness (in resolution range)	99.4 (90.12-2.90) 99.4 (90.12-2.90)	Depositor EDS
R_{merge}	0.07	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	2.55 (at 2.91Å)	Xtriage
Refinement program	REFMAC 5.7.0027	Depositor
R, R_{free}	0.220 , 0.232 0.218 , 0.231	Depositor DCC
R_{free} test set	1092 reflections (1.96%)	wwPDB-VP
Wilson B-factor (Å ²)	72.4	Xtriage
Anisotropy	0.176	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.35 , 50.2	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	0.94	EDS
Total number of atoms	6358	wwPDB-VP
Average B, all atoms (Å ²)	80.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 2.95% 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: D73

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	0.55	0/5331	0.76	0/7232
2	B	0.43	0/1091	0.79	0/1471
All	All	0.53	0/6422	0.77	0/8703

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts

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	5217	0	5252	37	0
2	B	1076	0	1091	8	0
3	A	64	0	42	0	0
4	A	1	0	0	0	0
All	All	6358	0	6385	37	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 3.

All (37) 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:384:ARG:HB3	2:B:314:MET:CE	2.27	0.64
1:A:384:ARG:HB3	2:B:314:MET:HE3	1.80	0.63
1:A:548:SER:O	1:A:552:TRP:HB3	1.99	0.62
1:A:435:VAL:HG13	2:B:349:ILE:HG13	1.84	0.59
1:A:374:LYS:HE3	1:A:525:ASP:OD1	2.04	0.57
1:A:566:THR:HG21	1:A:697:LEU:HD13	1.88	0.56
1:A:419:GLN:HE22	2:B:315:PHE:H	1.54	0.55
1:A:435:VAL:CG1	2:B:349:ILE:HG13	2.39	0.52
1:A:353:LEU:HB3	1:A:565:LEU:HD22	1.92	0.51
1:A:364:GLU:HA	1:A:681:VAL:HB	1.93	0.50
1:A:484:HIS:CD2	2:B:372:LEU:HD13	2.46	0.49
1:A:435:VAL:O	1:A:439:GLU:HB2	2.11	0.49
1:A:801:GLU:HG2	1:A:809:ALA:H	1.78	0.49
1:A:801:GLU:CG	1:A:809:ALA:HA	2.42	0.48
1:A:442:LYS:HE3	2:B:355:THR:HG21	1.96	0.48
1:A:761:TYR:CD1	1:A:809:ALA:HB1	2.49	0.47
1:A:463:LYS:O	1:A:467:GLU:HG2	2.14	0.47
1:A:695:TRP:CE3	1:A:697:LEU:HD11	2.50	0.46
1:A:537:GLU:HG3	1:A:544:LEU:HG	1.98	0.46
1:A:473:ASP:OD1	1:A:473:ASP:C	2.60	0.44
1:A:601:GLU:HA	1:A:616:TYR:O	2.17	0.44
1:A:662:VAL:HB	1:A:705:ALA:HB3	2.00	0.44
1:A:384:ARG:HB3	2:B:314:MET:HE1	1.98	0.43
1:A:501:GLN:O	1:A:505:GLU:HB2	2.18	0.43
1:A:720:ASP:O	1:A:724:VAL:HG23	2.17	0.43
1:A:537:GLU:CG	1:A:544:LEU:HG	2.49	0.43
1:A:592:GLN:HB3	1:A:603:ILE:HD12	2.01	0.43
1:A:801:GLU:HG2	1:A:809:ALA:N	2.34	0.43
1:A:662:VAL:HG13	1:A:748:VAL:HG22	2.00	0.43
1:A:625:LEU:HD22	1:A:629:VAL:HG11	2.01	0.42
1:A:594:ARG:HG2	1:A:640:VAL:HB	2.02	0.42
1:A:209:VAL:HG13	1:A:242:TYR:HD1	1.84	0.42
1:A:716:GLU:HG2	1:A:750:ARG:HG2	2.02	0.41
1:A:661:LYS:HD3	1:A:704:LEU:HD21	2.03	0.41
1:A:199:ILE:HD11	1:A:248:LEU:HD13	2.03	0.41
1:A:458:LEU:HB3	1:A:487:LEU:HD13	2.03	0.40
1:A:694:PHE:HA	1:A:704:LEU:O	2.21	0.40

There are no symmetry-related clashes.

5.3 Torsion angles

5.3.1 Protein backbone

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	664/872 (76%)	641 (96%)	21 (3%)	2 (0%)	36	65
2	B	131/482 (27%)	125 (95%)	6 (5%)	0	100	100
All	All	795/1354 (59%)	766 (96%)	27 (3%)	2 (0%)	36	65

All (2) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	801	GLU
1	A	468	VAL

5.3.2 Protein sidechains

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	566/711 (80%)	552 (98%)	14 (2%)	42	74
2	B	117/395 (30%)	113 (97%)	4 (3%)	32	66
All	All	683/1106 (62%)	665 (97%)	18 (3%)	40	73

All (18) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	237	GLN
1	A	429	GLU
1	A	438	GLN
1	A	449	VAL

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Mol	Chain	Res	Type
1	A	458	LEU
1	A	469	LYS
1	A	492	LYS
1	A	538	PHE
1	A	556	ASP
1	A	624	THR
1	A	645	GLU
1	A	659	LEU
1	A	684	THR
1	A	704	LEU
2	B	316	LEU
2	B	332	THR
2	B	337	GLN
2	B	349	ILE

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (10) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	237	GLN
1	A	296	GLN
1	A	380	GLN
1	A	410	GLN
1	A	417	GLN
1	A	419	GLN
1	A	438	GLN
1	A	459	HIS
1	A	484	HIS
1	A	742	GLN

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

1 ligand is modelled in this entry.

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	$\# Z > 2$
3	D73	A	900	-	69,70,70	2.38	16 (23%)	91,107,107	1.45	14 (15%)

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
3	D73	A	900	-	-	7/45/97/97	0/7/7/7

All (16) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	A	900	D73	C4X-C4	-11.72	1.49	1.54
3	A	900	D73	C5X-C9A	8.25	1.49	1.40
3	A	900	D73	CAP-CAM	-6.74	1.41	1.51
3	A	900	D73	C5A-C4A	4.86	1.47	1.39
3	A	900	D73	C4X-N5	3.82	1.50	1.46
3	A	900	D73	C8-C7	3.64	1.49	1.40
3	A	900	D73	C5A-C6A	2.95	1.49	1.41
3	A	900	D73	CAO-NAA	2.74	1.33	1.27
3	A	900	D73	CAN-CAO	2.48	1.53	1.49
3	A	900	D73	C5X-N5	-2.42	1.35	1.39
3	A	900	D73	C8A-N7A	2.41	1.36	1.31
3	A	900	D73	CAL-CAO	2.27	1.54	1.50
3	A	900	D73	PA-O3P	2.12	1.61	1.59
3	A	900	D73	P-O3P	2.07	1.61	1.59
3	A	900	D73	C4A-N9A	-2.05	1.33	1.37
3	A	900	D73	C2-N3	-2.03	1.34	1.39

All (14) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
3	A	900	D73	C5A-C4A-N3A	-5.38	119.31	126.72
3	A	900	D73	N3A-C4A-N9A	4.39	134.64	127.17
3	A	900	D73	C2A-N3A-C4A	3.73	120.94	111.83
3	A	900	D73	N3A-C2A-N1A	-3.71	122.97	128.58
3	A	900	D73	CAL-CAM-CAP	-3.64	107.83	112.27
3	A	900	D73	C4A-C5A-N7A	-3.32	106.78	110.58
3	A	900	D73	C4A-N9A-C8A	3.10	108.99	105.74
3	A	900	D73	C4-N3-C2	-3.00	120.89	125.42
3	A	900	D73	O4-C4-C4X	-2.97	118.02	123.61
3	A	900	D73	C9A-N10-C10	-2.43	115.95	119.73
3	A	900	D73	C6A-C5A-N7A	2.39	136.70	132.09
3	A	900	D73	C5A-N7A-C8A	2.33	107.11	103.45
3	A	900	D73	C2A-N1A-C6A	2.22	122.38	118.73
3	A	900	D73	N9A-C8A-N7A	-2.03	111.06	113.94

There are no chirality outliers.

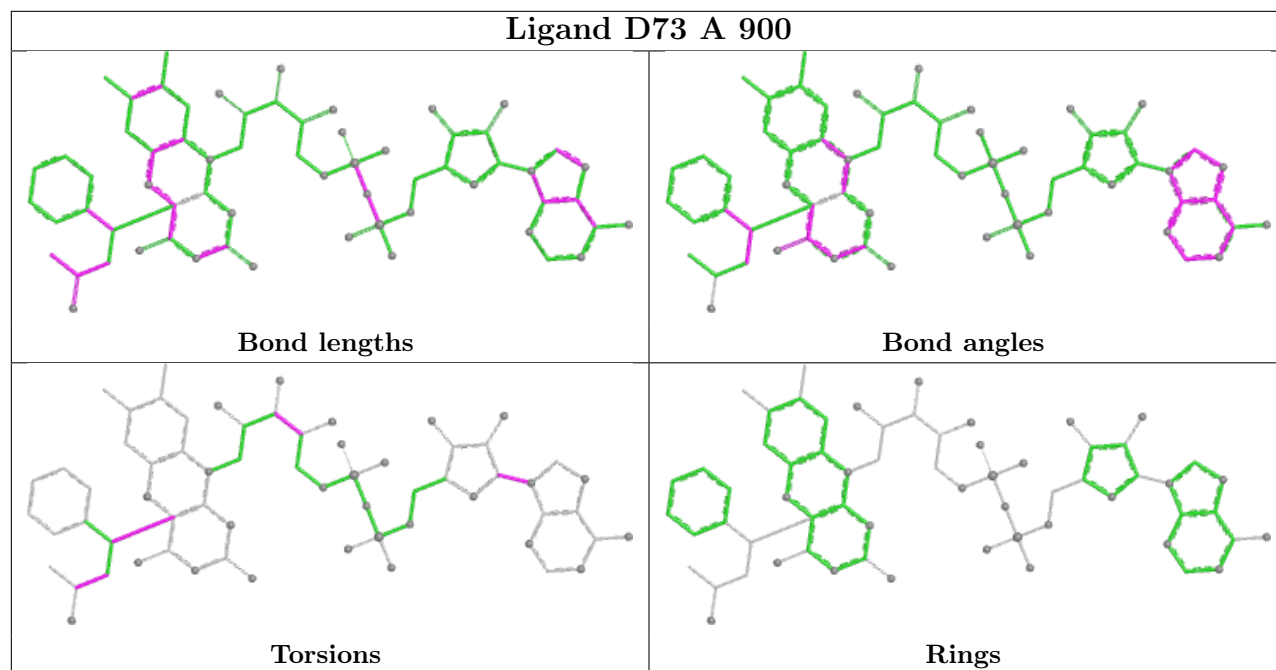
All (7) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
3	A	900	D73	C4-C4X-CAM-CAL
3	A	900	D73	C10-C4X-CAM-CAL
3	A	900	D73	C2'-C3'-C4'-O4'
3	A	900	D73	CAM-CAL-CAO-CAN
3	A	900	D73	O3'-C3'-C4'-O4'
3	A	900	D73	O3'-C3'-C4'-C5'
3	A	900	D73	C2B-C1B-N9A-C8A

There are no ring outliers.

No monomer is involved in short contacts.

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

6.1 Protein, DNA and RNA chains

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	666/872 (76%)	0.49	54 (8%)	18 15	43, 72, 110, 141	0
2	B	133/482 (27%)	1.27	25 (18%)	3 3	65, 103, 127, 144	0
All	All	799/1354 (59%)	0.62	79 (9%)	13 11	43, 79, 115, 144	0

All (79) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	A	836	LEU	9.0
1	A	171	PRO	6.7
2	B	376	ILE	5.9
1	A	275	THR	5.6
2	B	337	GLN	5.3
2	B	440	GLU	4.3
1	A	377	MET	4.2
1	A	833	MET	4.0
1	A	272	PRO	3.8
1	A	786	ILE	3.7
2	B	382	ARG	3.5
1	A	511	LEU	3.3
1	A	667	ASP	3.3
1	A	273	LEU	3.3
2	B	379	CYS	3.3
2	B	312	LYS	3.2
2	B	377	GLN	3.2
2	B	329	THR	3.2
2	B	383	TRP	3.2
1	A	271	LYS	3.1
2	B	340	MET	3.0
1	A	744	LYS	2.9
2	B	425	ARG	2.9
2	B	362	LYS	2.9

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Mol	Chain	Res	Type	RSRZ
1	A	374	LYS	2.9
2	B	414	VAL	2.9
1	A	325	TYR	2.8
1	A	467	GLU	2.8
1	A	684	THR	2.8
1	A	269	ARG	2.8
1	A	835	THR	2.8
2	B	350	GLN	2.8
1	A	373	GLU	2.8
2	B	374	GLU	2.8
2	B	308	ARG	2.8
1	A	668	ARG	2.7
1	A	669	VAL	2.7
1	A	276	LYS	2.7
1	A	332	MET	2.7
1	A	358	GLN	2.6
2	B	328	ALA	2.6
1	A	363	TYR	2.6
2	B	313	GLY	2.6
2	B	431	ASP	2.6
1	A	270	ILE	2.5
1	A	372	LYS	2.5
1	A	674	SER	2.5
1	A	274	PRO	2.5
2	B	348	GLN	2.5
1	A	380	GLN	2.4
1	A	403	ASN	2.4
2	B	375	VAL	2.4
1	A	735	PHE	2.4
1	A	172	SER	2.4
2	B	424	TYR	2.4
1	A	834	TYR	2.3
1	A	237	GLN	2.3
1	A	368	GLN	2.3
1	A	350	ASN	2.3
1	A	739	ALA	2.3
2	B	439	ALA	2.3
1	A	203	PRO	2.3
1	A	239	GLU	2.2
1	A	519	VAL	2.2
1	A	698	TYR	2.2
1	A	695	TRP	2.2

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Mol	Chain	Res	Type	RSRZ
1	A	240	ALA	2.2
1	A	512	GLU	2.2
1	A	517	SER	2.1
2	B	347	ARG	2.1
1	A	652	GLN	2.1
1	A	204	GLN	2.1
1	A	268	LYS	2.1
1	A	683	SER	2.1
2	B	309	LYS	2.1
1	A	507	LYS	2.0
1	A	371	PRO	2.0
1	A	366	ASN	2.0
1	A	717	ASN	2.0

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](#)

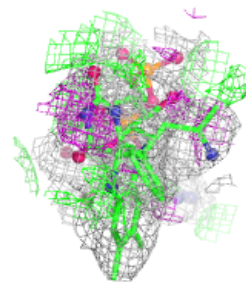
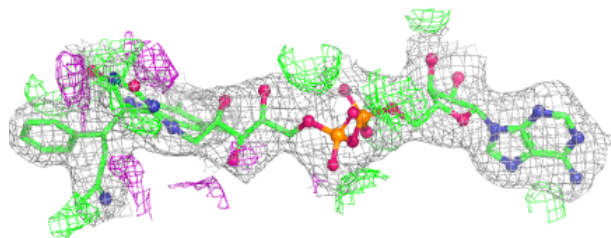
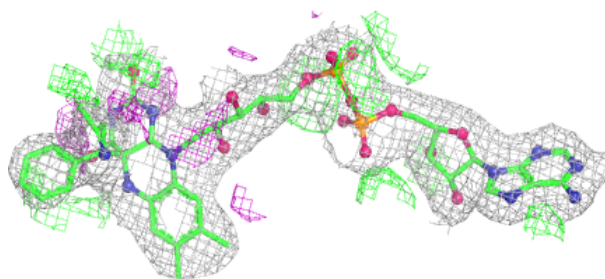
In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists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

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors($\text{\AA}^2$)	Q<0.9
3	D73	A	900	64/64	0.97	0.09	43,58,79,82	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.

Electron density around D73 A 900:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



6.5 Other polymers [i](#)

There are no such residues in this entry.