



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 7, 2026 – 03:09 AM UTC

PDB ID : 3LGP / pdb_00003lgp
Title : Crystal structure of catalytic domain of tace with benzimidazolyl-thienyl-tart
rate based inhibitor
Authors : Orth, P.
Deposited on : 2010-01-21
Resolution : 1.90 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

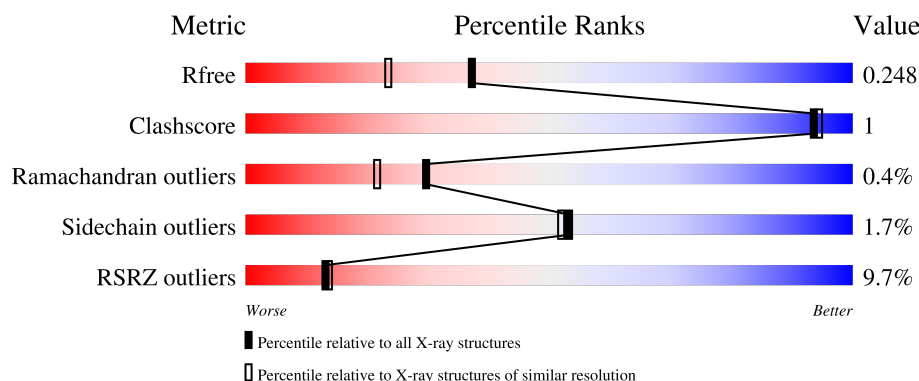
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 1.90 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	7789 (1.90-1.90)
Clashscore	190562	8410 (1.90-1.90)
Ramachandran outliers	187476	8333 (1.90-1.90)
Sidechain outliers	187428	8333 (1.90-1.90)
RSRZ outliers	180081	7790 (1.90-1.90)

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	270	6% 88% 5% 7%
1	B	270	12% 87% 6% 6%

2 Entry composition

There are 4 unique types of molecules in this entry. The entry contains 4209 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 Disintegrin and metalloproteinase domain-containing protein 17.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	251	Total	C	N	O	S	0	2	0
			1975	1246	326	389	14			
1	B	254	Total	C	N	O	S	0	0	0
			1934	1221	325	376	12			

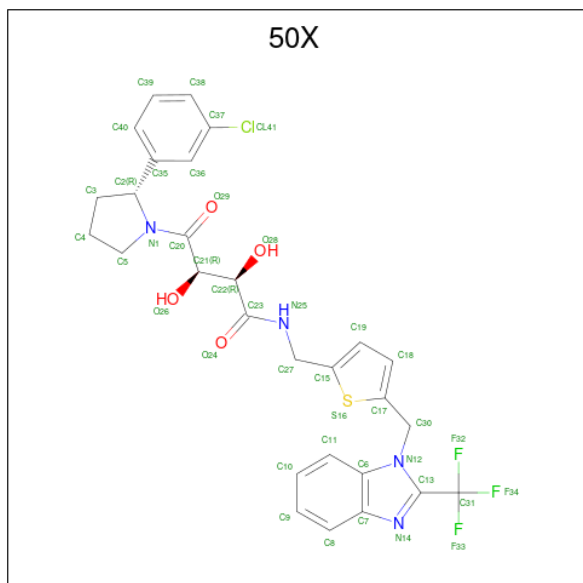
There are 22 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	266	ALA	SER	engineered mutation	UNP P78536
A	353	GLY	VAL	engineered mutation	UNP P78536
A	452	GLN	ASN	engineered mutation	UNP P78536
A	477	GLY	-	expression tag	UNP P78536
A	478	SER	-	expression tag	UNP P78536
A	479	HIS	-	expression tag	UNP P78536
A	480	HIS	-	expression tag	UNP P78536
A	481	HIS	-	expression tag	UNP P78536
A	482	HIS	-	expression tag	UNP P78536
A	483	HIS	-	expression tag	UNP P78536
A	484	HIS	-	expression tag	UNP P78536
B	266	ALA	SER	engineered mutation	UNP P78536
B	353	GLY	VAL	engineered mutation	UNP P78536
B	452	GLN	ASN	engineered mutation	UNP P78536
B	477	GLY	-	expression tag	UNP P78536
B	478	SER	-	expression tag	UNP P78536
B	479	HIS	-	expression tag	UNP P78536
B	480	HIS	-	expression tag	UNP P78536
B	481	HIS	-	expression tag	UNP P78536
B	482	HIS	-	expression tag	UNP P78536
B	483	HIS	-	expression tag	UNP P78536
B	484	HIS	-	expression tag	UNP P78536

- Molecule 2 is ZINC ION (CCD ID: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
2	A	1	Total Zn 1 1	0	0
2	B	1	Total Zn 1 1	0	0

- Molecule 3 is (2R,3R)-4-[(2R)-2-(3-chlorophenyl)pyrrolidin-1-yl]-2,3-dihydroxy-4-oxo-N-[(5-{2-(trifluoromethyl)-1H-benzimidazol-1-yl}methyl)thiophen-2-yl)methyl]butanamide (CCD ID: 50X) (formula: C₂₈H₂₆ClF₃N₄O₄S).



Mol	Chain	Residues	Atoms							ZeroOcc	AltConf
3	A	1	Total	C	Cl	F	N	O	S	0	0
			41	28	1	3	4	4	1		
3	B	1	Total	C	Cl	F	N	O	S	0	0
			41	28	1	3	4	4	1		

- Molecule 4 is water.

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
4	A	120	Total O 120 120	0	0
4	B	96	Total O 96 96	0	0

- Molecule 1: Disintegrin and metalloproteinase domain-containing protein 17



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	73.34Å 76.62Å 103.51Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	47.16 – 1.90 47.16 – 1.90	Depositor EDS
% Data completeness (in resolution range)	(Not available) (47.16-1.90) 99.4 (47.16-1.90)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.90 (at 1.90Å)	Xtriage
Refinement program	BUSTER 2.9.3	Depositor
R, R_{free}	0.201 , 0.244 0.205 , 0.248	Depositor DCC
R_{free} test set	889 reflections (0.78%)	wwPDB-VP
Wilson B-factor (Å ²)	34.6	Xtriage
Anisotropy	0.257	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.35 , 41.3	EDS
L-test for twinning ²	$\langle L \rangle = 0.49$, $\langle L^2 \rangle = 0.32$	Xtriage
Estimated twinning fraction	0.017 for k,h,-l	Xtriage
F_o, F_c correlation	0.96	EDS
Total number of atoms	4209	wwPDB-VP
Average B, all atoms (Å ²)	40.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 3.92% 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: 50X, ZN

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	0.83	0/2025	1.16	6/2735 (0.2%)
1	B	0.83	1/1979 (0.1%)	1.26	3/2685 (0.1%)
All	All	0.83	1/4004 (0.0%)	1.21	9/5420 (0.2%)

All (1) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	B	441	SER	CA-C	6.10	1.55	1.52

All (9) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	313	ASP	N-CA-C	-7.56	98.48	109.59
1	B	313	ASP	N-CA-C	-7.42	97.89	109.25
1	A	439	ALA	CA-C-N	6.70	129.00	120.56
1	A	439	ALA	C-N-CA	6.70	129.00	120.56
1	A	440	VAL	N-CA-C	6.16	116.34	110.42
1	B	434	VAL	N-CA-C	5.72	117.14	110.62
1	A	465	LYS	N-CA-C	5.27	120.71	113.97
1	A	228	LEU	N-CA-C	-5.20	100.25	108.73
1	B	410	ASN	CA-CB-CG	5.07	117.67	112.60

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	1975	0	1862	3	0
1	B	1934	0	1778	8	0
2	A	1	0	0	0	0
2	B	1	0	0	0	0
3	A	41	0	24	0	0
3	B	41	0	25	4	0
4	A	120	0	0	0	0
4	B	96	0	0	0	0
All	All	4209	0	3689	11	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 1.

All (11) 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:B:438:ILE:CD1	3:B:485:50X:CL41	2.93	0.54
1:B:438:ILE:HD11	3:B:485:50X:CL41	2.48	0.50
1:B:279:ILE:HG21	1:B:282:ILE:HG13	1.93	0.48
1:B:349:GLY:O	3:B:485:50X:H21	2.15	0.47
1:A:401:LEU:HD21	1:A:448:LYS:HG2	1.99	0.45
1:A:314:VAL:HG11	1:A:347:THR:HG21	1.98	0.45
1:B:438:ILE:HD13	3:B:485:50X:CL41	2.53	0.44
1:B:314:VAL:HG11	1:B:347:THR:HG21	1.99	0.44
1:B:443:ASP:OD1	1:B:444:HIS:HD2	2.01	0.44
1:B:240:GLY:HA3	1:B:247:THR:OG1	2.19	0.43
1:A:289:GLN:HG2	1:A:297:HIS:CG	2.56	0.41

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 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	249/270 (92%)	244 (98%)	4 (2%)	1 (0%)	30	22
1	B	252/270 (93%)	245 (97%)	6 (2%)	1 (0%)	30	22
All	All	501/540 (93%)	489 (98%)	10 (2%)	2 (0%)	30	22

All (2) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	365	CYS
1	B	365	CYS

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	209/230 (91%)	206 (99%)	3 (1%)	59	59
1	B	194/230 (84%)	190 (98%)	4 (2%)	47	44
All	All	403/460 (88%)	396 (98%)	7 (2%)	53	52

All (7) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	345	MET
1	A	440	VAL
1	A	441	SER
1	B	223	ASN
1	B	283	ARG
1	B	313	ASP
1	B	448	LYS

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (9) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	269	ASN
1	A	377	ASN
1	A	429	GLN
1	A	452	GLN
1	A	471	GLN
1	B	223	ASN
1	B	359	ASN
1	B	410	ASN
1	B	444	HIS

5.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 4 ligands modelled in this entry, 2 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	$\# Z > 2$
3	50X	A	485	2	45,45,45	2.13	17 (37%)	63,66,66	1.83	14 (22%)
3	50X	B	485	2	45,45,45	1.74	10 (22%)	63,66,66	1.53	9 (14%)

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	50X	A	485	2	-	4/35/45/45	0/5/5/5
3	50X	B	485	2	-	2/35/45/45	0/5/5/5

All (27) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	B	485	50X	C21-C20	7.01	1.60	1.53
3	A	485	50X	C21-C20	5.72	1.59	1.53
3	A	485	50X	O29-C20	5.03	1.31	1.22
3	A	485	50X	C9-C8	3.42	1.44	1.38
3	A	485	50X	C20-N1	3.34	1.42	1.34
3	A	485	50X	C36-C37	3.03	1.43	1.38
3	A	485	50X	C39-C38	2.97	1.44	1.38
3	B	485	50X	C9-C8	2.92	1.43	1.38
3	A	485	50X	C8-C7	2.83	1.44	1.40
3	A	485	50X	C13-N12	2.78	1.40	1.36
3	A	485	50X	C10-C9	2.70	1.44	1.38
3	B	485	50X	O29-C20	2.63	1.27	1.22
3	B	485	50X	C10-C9	2.62	1.44	1.38
3	A	485	50X	C5-N1	2.57	1.52	1.47
3	A	485	50X	C11-C6	2.53	1.43	1.39
3	A	485	50X	C40-C35	2.52	1.43	1.39
3	A	485	50X	C36-C35	2.51	1.42	1.39
3	A	485	50X	F33-C31	2.37	1.42	1.32
3	B	485	50X	C23-N25	2.35	1.39	1.33
3	A	485	50X	C10-C11	2.31	1.42	1.38
3	B	485	50X	C13-N12	2.21	1.39	1.36
3	B	485	50X	C30-N12	2.21	1.50	1.46
3	A	485	50X	C23-N25	2.18	1.38	1.33
3	A	485	50X	F34-C31	2.10	1.41	1.32
3	B	485	50X	C37-CL41	-2.10	1.69	1.74
3	B	485	50X	C40-C35	2.08	1.42	1.39
3	B	485	50X	C35-C2	2.02	1.55	1.51

All (23) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
3	A	485	50X	C21-C22-C23	7.69	117.58	109.04
3	B	485	50X	C17-C30-N12	-6.19	106.06	112.92
3	A	485	50X	C22-C21-C20	-4.23	103.72	109.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
3	A	485	50X	C3-C2-N1	3.97	106.35	101.93
3	B	485	50X	C31-C13-N14	3.94	125.59	122.44
3	B	485	50X	C22-C21-C20	-3.71	104.41	109.40
3	A	485	50X	C17-C30-N12	-3.61	108.92	112.92
3	B	485	50X	F32-C31-C13	3.41	116.65	111.95
3	A	485	50X	O28-C22-C21	-2.77	104.53	110.17
3	A	485	50X	C11-C6-N12	2.55	135.72	130.42
3	A	485	50X	O26-C21-C22	2.54	115.33	110.17
3	B	485	50X	O28-C22-C21	-2.52	105.03	110.17
3	A	485	50X	F32-C31-C13	-2.49	108.53	111.95
3	B	485	50X	C3-C2-N1	2.46	104.67	101.93
3	A	485	50X	C7-C6-N12	-2.44	103.62	105.55
3	B	485	50X	C7-C6-N12	-2.37	103.68	105.55
3	A	485	50X	O28-C22-C23	2.20	115.24	110.63
3	B	485	50X	C11-C6-N12	2.18	134.95	130.42
3	A	485	50X	C19-C15-S16	2.18	114.47	110.10
3	A	485	50X	O29-C20-C21	2.09	123.29	119.12
3	B	485	50X	C7-N14-C13	2.09	107.23	104.61
3	A	485	50X	C7-N14-C13	2.06	107.20	104.61
3	A	485	50X	C18-C19-C15	-2.05	108.84	113.60

There are no chirality outliers.

All (6) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
3	A	485	50X	C18-C17-C30-N12
3	A	485	50X	S16-C15-C27-N25
3	B	485	50X	S16-C15-C27-N25
3	A	485	50X	C19-C15-C27-N25
3	A	485	50X	C15-C27-N25-C23
3	B	485	50X	C19-C15-C27-N25

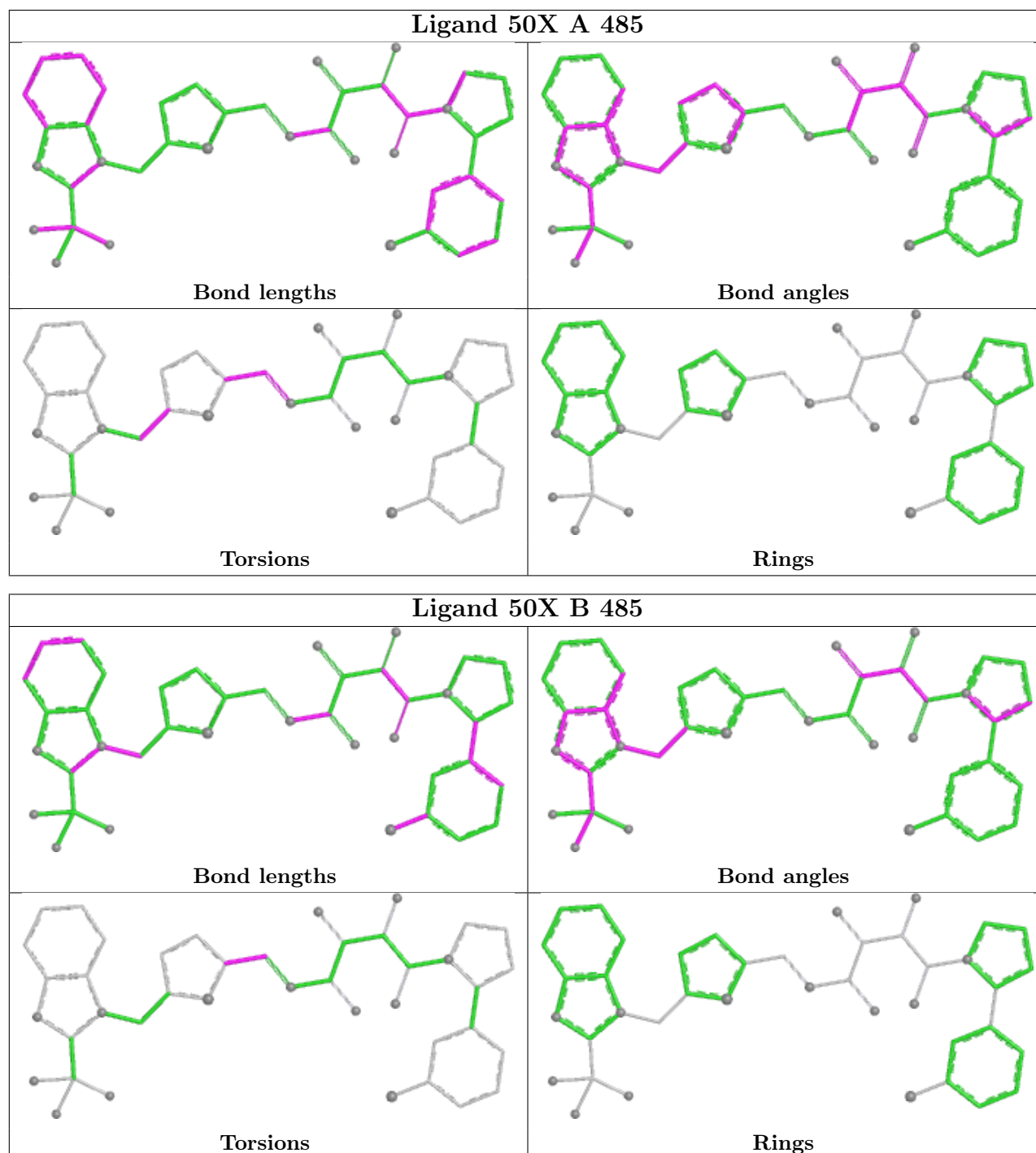
There are no ring outliers.

1 monomer is involved in 4 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
3	B	485	50X	4	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

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	251/270 (92%)	0.46	16 (6%) 25 27	22, 34, 59, 72	2 (0%)
1	B	254/270 (94%)	0.84	33 (12%) 7 7	25, 42, 70, 82	0
All	All	505/540 (93%)	0.65	49 (9%) 13 14	22, 38, 67, 82	2 (0%)

All (49) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	B	220	PRO	4.9
1	B	221	MET	4.7
1	A	271	GLY	4.3
1	B	466	ALA	4.2
1	A	474	SER	4.1
1	A	218	PRO	3.7
1	A	354	GLY	3.4
1	B	238	TYR	3.2
1	A	441	SER	3.2
1	B	291	VAL	3.1
1	B	293	PRO	3.1
1	B	288	PRO	3.1
1	B	369	TYR	2.9
1	B	361	HIS	2.9
1	B	294	GLY	2.9
1	A	361	HIS	2.8
1	B	305	PRO	2.8
1	A	362	GLY	2.8
1	B	292	LYS	2.7
1	A	220	PRO	2.7
1	B	373	VAL	2.7
1	B	245	SER	2.7
1	B	282	ILE	2.7
1	B	440	VAL	2.7

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Mol	Chain	Res	Type	RSRZ
1	B	304	TYR	2.6
1	B	310	ASP	2.6
1	A	222	LYS	2.6
1	B	286	LYS	2.6
1	B	473	ARG	2.5
1	B	287	SER	2.5
1	B	331	LYS	2.5
1	B	356	PRO	2.5
1	B	241	ARG	2.4
1	B	358	ALA	2.4
1	B	463	GLU	2.4
1	A	440	VAL	2.4
1	A	438	ILE	2.3
1	B	246	THR	2.3
1	A	442	GLY	2.3
1	A	464	SER	2.3
1	B	302	LYS	2.3
1	B	465	LYS	2.3
1	A	293	PRO	2.2
1	A	373	VAL	2.2
1	A	473	ARG	2.2
1	B	301	ALA	2.1
1	B	290	GLU	2.1
1	B	372	PRO	2.1
1	B	311	ALA	2.0

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

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

6.3 Carbohydrates ⓘ

There are no oligosaccharides in this entry.

6.4 Ligands ⓘ

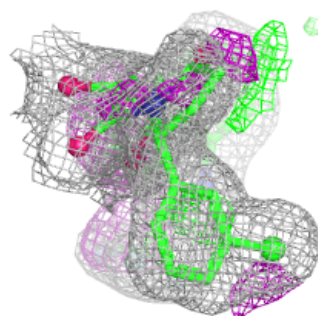
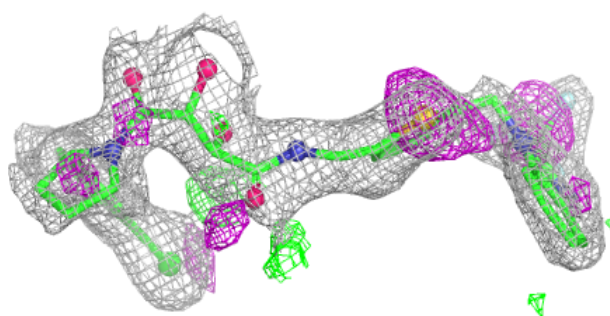
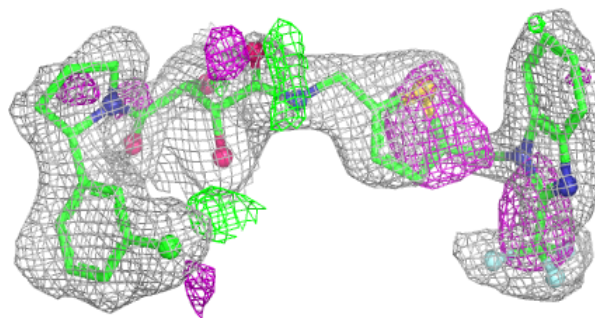
In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists 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	50X	A	485	41/41	0.86	0.14	29,40,47,51	0
3	50X	B	485	41/41	0.97	0.06	27,31,39,40	0
2	ZN	A	1	1/1	1.00	0.02	33,33,33,33	0
2	ZN	B	2	1/1	1.00	0.02	32,32,32,32	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.

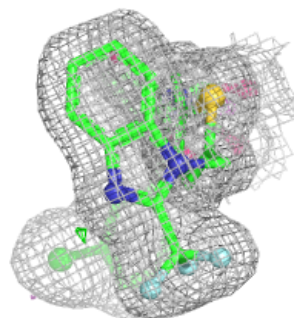
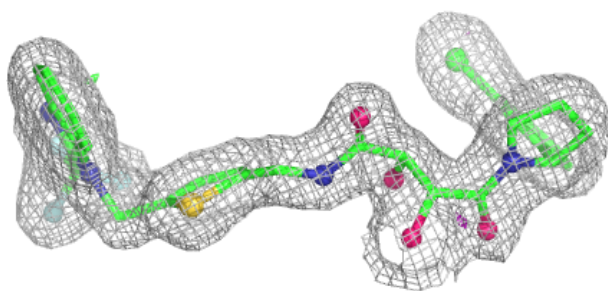
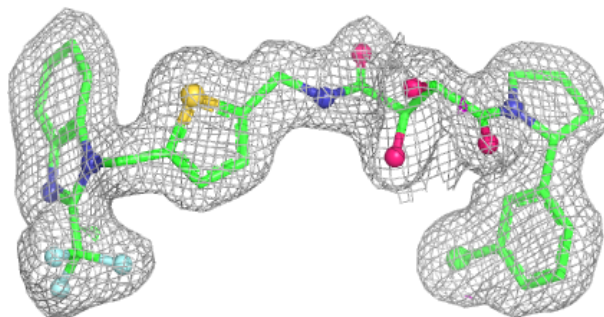
Electron density around 50X A 485:

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



Electron density around 50X B 485:

$2mF_o-DF_c$ (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.