



Full wwPDB X-ray Structure Validation Report ⓘ

Mar 8, 2026 – 06:29 AM UTC

PDB ID : 3LE9 / pdb_00003le9
Title : Crystal structure of the catalytic domain of TACE with Indazolinone-phenylhydantoin inhibitor
Authors : Orth, P.
Deposited on : 2010-01-14
Resolution : 1.85 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

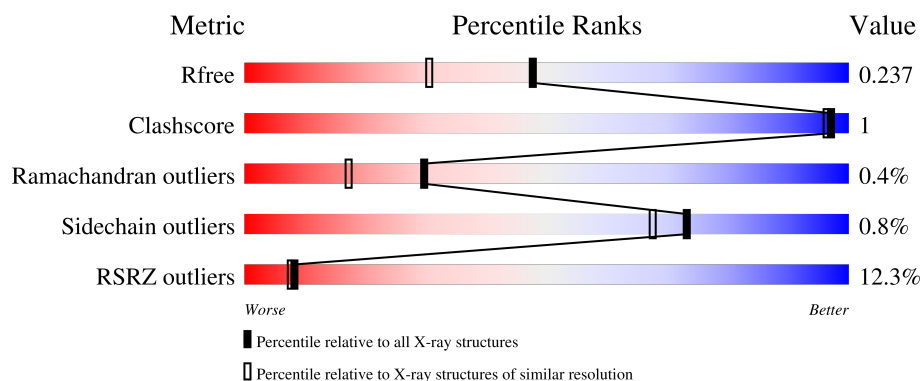
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 1.85 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	3428 (1.86-1.86)
Clashscore	190562	3579 (1.86-1.86)
Ramachandran outliers	187476	3553 (1.86-1.86)
Sidechain outliers	187428	3553 (1.86-1.86)
RSRZ outliers	180081	3429 (1.86-1.86)

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% 90% 7%
1	B	270	17% 87% 6% 7%

2 Entry composition

There are 5 unique types of molecules in this entry. The entry contains 4189 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	1	0
			1956	1235	326	383	12			
1	B	252	Total	C	N	O	S	0	0	0
			1926	1218	321	375	12			

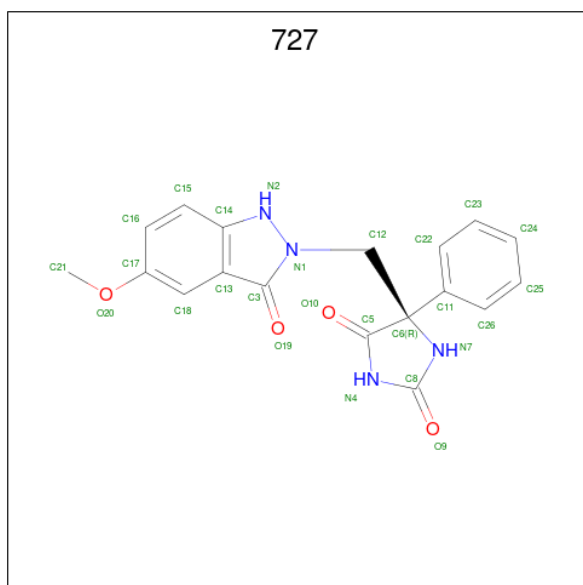
There are 22 discrepancies between the modelled and reference sequences:

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).

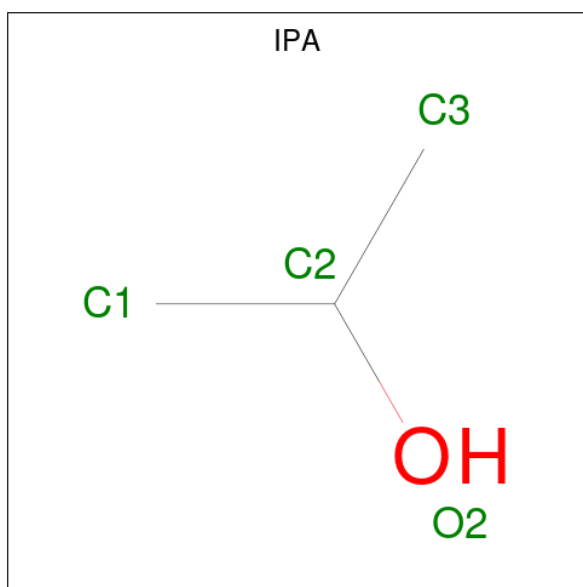
Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
2	A	1	Total	Zn	0	0
			1	1		
2	B	1	Total	Zn	0	0
			1	1		

- Molecule 3 is (5R)-5-[(5-methoxy-3-oxo-1,3-dihydro-2H-indazol-2-yl)methyl]-5-phenylimidazolidine-2,4-dione (CCD ID: 727) (formula: C₁₈H₁₆N₄O₄).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
3	A	1	Total	C	N	O	0	0
			26	18	4	4		
3	B	1	Total	C	N	O	0	0
			26	18	4	4		

- Molecule 4 is ISOPROPYL ALCOHOL (CCD ID: IPA) (formula: C₃H₈O).



Mol	Chain	Residues	Atoms			ZeroOcc	AltConf
4	A	1	Total	C	O	0	0
			4	3	1		

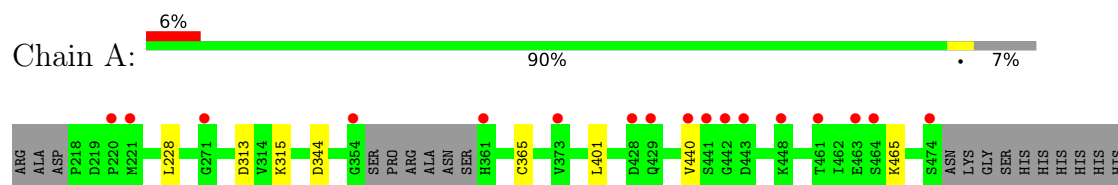
- Molecule 5 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
5	A	139	Total	O	0	0
			139	139		
5	B	110	Total	O	0	0
			110	110		

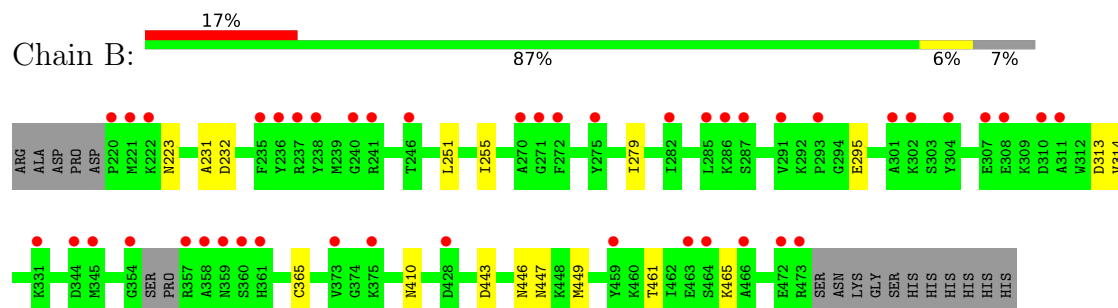
3 Residue-property plots [i](#)

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: Disintegrin and metalloproteinase domain-containing protein 17



- 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	74.42Å 75.49Å 102.92Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	37.74 – 1.85 37.74 – 1.85	Depositor EDS
% Data completeness (in resolution range)	(Not available) (37.74-1.85) 99.3 (37.74-1.85)	Depositor EDS
R_{merge}	(Not available)	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	2.76 (at 1.85Å)	Xtriage
Refinement program	BUSTER 2.9.3	Depositor
R, R_{free}	0.205 , 0.230 0.208 , 0.237	Depositor DCC
R_{free} test set	958 reflections (0.84%)	wwPDB-VP
Wilson B-factor (Å ²)	27.7	Xtriage
Anisotropy	0.073	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.35 , 36.7	EDS
L-test for twinning ²	$\langle L \rangle = 0.49$, $\langle L^2 \rangle = 0.33$	Xtriage
Estimated twinning fraction	0.017 for k,h,-l	Xtriage
F_o, F_c correlation	0.95	EDS
Total number of atoms	4189	wwPDB-VP
Average B, all atoms (Å ²)	33.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 5.17% 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: ZN, 727, IPA

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	0.81	0/2003	1.11	3/2707 (0.1%)
1	B	0.82	0/1970	1.24	6/2669 (0.2%)
All	All	0.82	0/3973	1.17	9/5376 (0.2%)

There are no bond length outliers.

All (9) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	B	313	ASP	N-CA-C	-7.03	98.58	109.76
1	A	313	ASP	N-CA-C	-6.97	99.51	109.96
1	B	447	ASN	CA-CB-CG	6.82	119.42	112.60
1	B	232	ASP	CA-CB-CG	6.11	118.71	112.60
1	B	443	ASP	CA-CB-CG	5.73	118.33	112.60
1	B	410	ASN	CA-CB-CG	5.51	118.11	112.60
1	B	314	VAL	N-CA-C	5.36	116.09	110.62
1	A	228	LEU	N-CA-C	-5.30	100.09	108.73
1	A	465	LYS	N-CA-C	5.24	120.33	113.88

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	1956	0	1842	2	0
1	B	1926	0	1774	4	0
2	A	1	0	0	0	0
2	B	1	0	0	0	0
3	A	26	0	15	2	0
3	B	26	0	15	0	0
4	A	4	0	7	0	0
5	A	139	0	0	0	0
5	B	110	0	0	0	0
All	All	4189	0	3653	7	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 (7) 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:461:THR:HG23	1:B:465:LYS:HE3	1.89	0.54
1:A:315:LYS:HE3	3:A:485:727:H24	1.92	0.52
3:A:485:727:N2	3:A:485:727:C5	2.73	0.51
1:A:401:LEU:HD13	1:A:440:VAL:HG23	1.95	0.49
1:B:446:ASN:HA	1:B:449:MET:HE3	1.98	0.45
1:B:255:ILE:HG21	1:B:279:ILE:HG13	2.01	0.43
1:B:231:ALA:HB2	1:B:251:LEU:HD11	2.02	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	248/270 (92%)	241 (97%)	6 (2%)	1 (0%)	30	17
1	B	248/270 (92%)	241 (97%)	6 (2%)	1 (0%)	30	17

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
All	All	496/540 (92%)	482 (97%)	12 (2%)	2 (0%)	30	17

All (2) Ramachandran outliers are listed below:

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

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	205/230 (89%)	204 (100%)	1 (0%)	81	77
1	B	194/230 (84%)	192 (99%)	2 (1%)	68	60
All	All	399/460 (87%)	396 (99%)	3 (1%)	73	67

All (3) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	344	ASP
1	B	223	ASN
1	B	295	GLU

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	269	ASN
1	A	377	ASN
1	A	410	ASN
1	A	444	HIS
1	A	452	GLN
1	A	471	GLN
1	B	223	ASN
1	B	359	ASN

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Mol	Chain	Res	Type
1	B	410	ASN
1	B	429	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 ⓘ

Of 5 ligands modelled in this entry, 2 are monoatomic - leaving 3 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	727	B	485	2	27,29,29	1.76	8 (29%)	33,43,43	1.78	8 (24%)
3	727	A	485	2	27,29,29	1.93	9 (33%)	33,43,43	1.61	8 (24%)
4	IPA	A	7	-	3,3,3	0.90	0	3,3,3	0.79	0

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	727	B	485	2	-	3/12/28/28	0/4/4/4

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
3	727	A	485	2	-	3/12/28/28	0/4/4/4

All (17) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	A	485	727	C22-C11	3.92	1.45	1.39
3	A	485	727	C6-N7	3.55	1.49	1.46
3	B	485	727	C16-C17	3.24	1.44	1.38
3	B	485	727	N2-N1	3.23	1.44	1.41
3	B	485	727	C22-C11	3.20	1.44	1.39
3	A	485	727	O10-C5	3.12	1.28	1.22
3	B	485	727	C8-N7	2.90	1.40	1.35
3	A	485	727	C26-C11	2.83	1.44	1.39
3	A	485	727	C16-C17	2.77	1.43	1.38
3	B	485	727	C6-N7	2.61	1.48	1.46
3	A	485	727	C18-C13	-2.56	1.35	1.39
3	A	485	727	C23-C22	2.54	1.43	1.38
3	B	485	727	C23-C22	2.16	1.42	1.38
3	A	485	727	O20-C17	-2.13	1.33	1.37
3	B	485	727	C13-C3	-2.13	1.45	1.48
3	A	485	727	C13-C3	-2.12	1.45	1.48
3	B	485	727	C26-C11	2.02	1.42	1.39

All (16) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
3	B	485	727	C5-C6-N7	-5.06	97.75	100.54
3	B	485	727	C6-C5-N4	4.21	110.69	107.92
3	A	485	727	C11-C6-N7	-3.94	108.23	112.54
3	B	485	727	C18-C13-C14	3.72	123.01	119.39
3	A	485	727	O10-C5-C6	-3.07	123.39	125.88
3	A	485	727	C18-C13-C14	2.94	122.25	119.39
3	B	485	727	C13-C14-N2	2.90	112.54	107.90
3	A	485	727	C13-C14-N2	2.79	112.36	107.90
3	B	485	727	C14-C13-C3	-2.63	105.77	108.17
3	B	485	727	C11-C6-N7	-2.51	109.80	112.54
3	B	485	727	O10-C5-C6	-2.48	123.86	125.88
3	A	485	727	C13-C18-C17	-2.46	115.40	119.41
3	A	485	727	C14-C13-C3	-2.42	105.97	108.17
3	B	485	727	C13-C18-C17	-2.41	115.48	119.41
3	A	485	727	C12-C6-C5	-2.13	105.17	108.85
3	A	485	727	C16-C15-C14	-2.03	115.66	119.57

There are no chirality outliers.

All (6) torsion outliers are listed below:

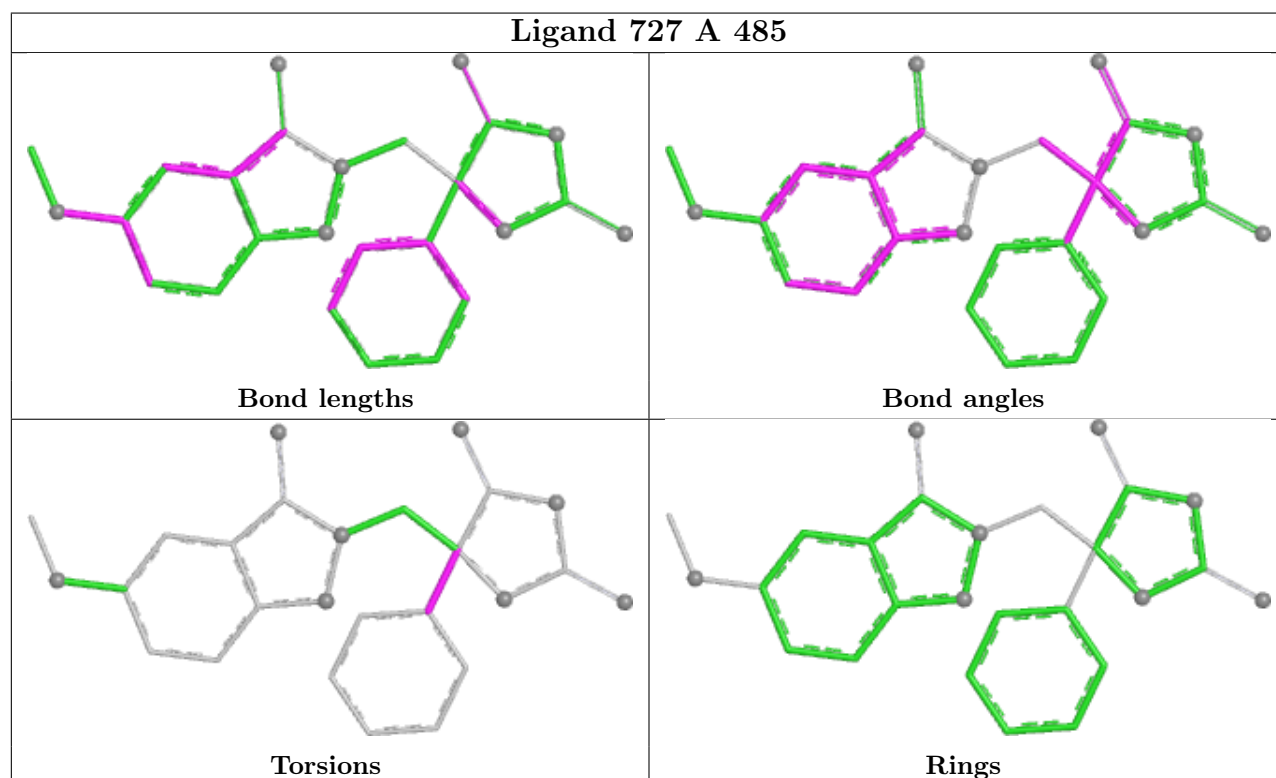
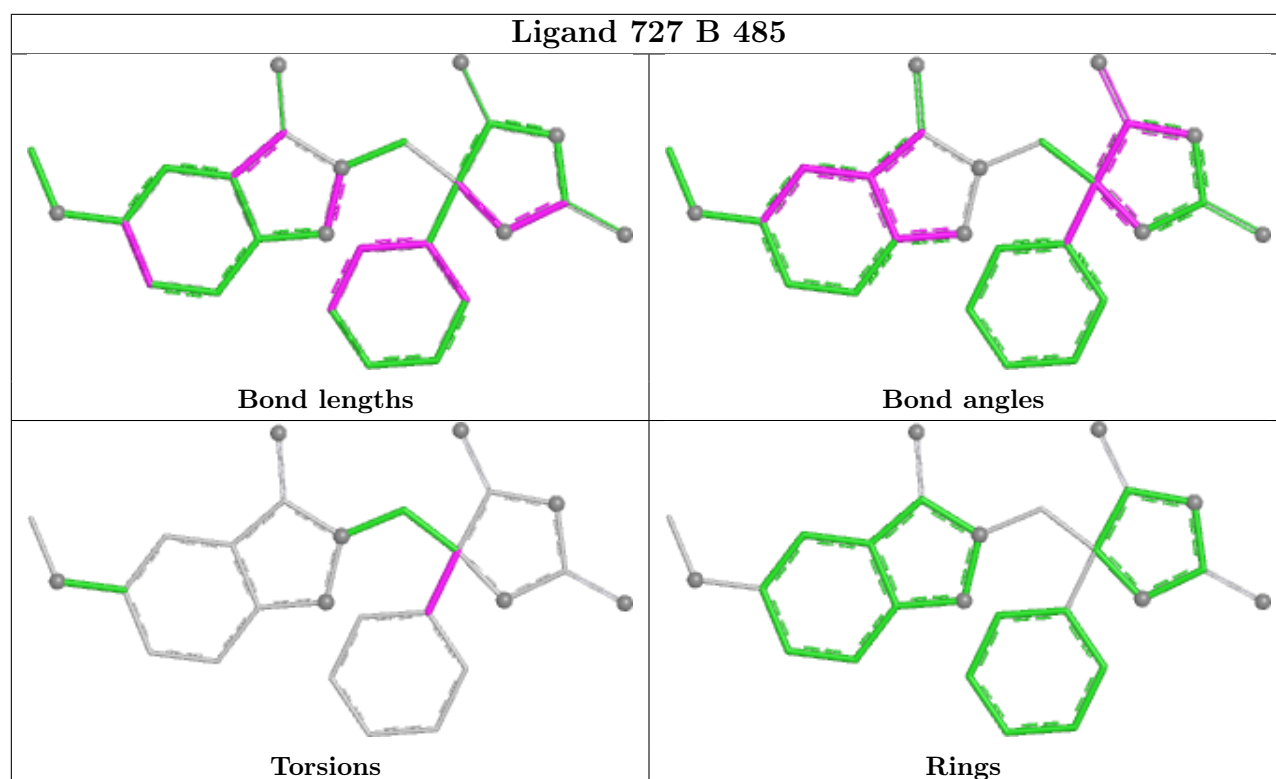
Mol	Chain	Res	Type	Atoms
3	A	485	727	C22-C11-C6-N7
3	A	485	727	C26-C11-C6-N7
3	B	485	727	C22-C11-C6-N7
3	B	485	727	C26-C11-C6-N7
3	A	485	727	C22-C11-C6-C5
3	B	485	727	C22-C11-C6-C5

There are no ring outliers.

1 monomer is involved in 2 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
3	A	485	727	2	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 ⓘ

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%)	0.24	17 (6%) 23 25	15, 27, 48, 59	1 (0%)
1	B	252/270 (93%)	0.95	45 (17%) 3 3	21, 35, 58, 73	0
All	All	503/540 (93%)	0.60	62 (12%) 8 8	15, 31, 55, 73	1 (0%)

All (62) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	B	220	PRO	5.7
1	B	221	MET	5.3
1	A	354	GLY	4.9
1	B	354	GLY	4.3
1	B	361	HIS	3.9
1	A	474	SER	3.7
1	B	304	TYR	3.7
1	A	463	GLU	3.6
1	B	359	ASN	3.6
1	A	440	VAL	3.6
1	B	373	VAL	3.4
1	A	220	PRO	3.4
1	B	360	SER	3.4
1	B	238	TYR	3.2
1	A	441	SER	3.1
1	B	291	VAL	3.1
1	B	270	ALA	3.1
1	B	293	PRO	3.1
1	B	301	ALA	2.9
1	B	310	ASP	2.8
1	B	464	SER	2.8
1	B	358	ALA	2.8
1	B	271	GLY	2.8
1	B	473	ARG	2.8

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Mol	Chain	Res	Type	RSRZ
1	B	241	ARG	2.7
1	B	282	ILE	2.7
1	A	442	GLY	2.7
1	B	275	TYR	2.7
1	B	286	LYS	2.7
1	A	428	ASP	2.6
1	B	308	GLU	2.6
1	B	287	SER	2.6
1	A	361	HIS	2.6
1	B	285	LEU	2.6
1	B	237	ARG	2.6
1	B	357	ARG	2.6
1	B	428	ASP	2.6
1	A	464	SER	2.5
1	B	331	LYS	2.5
1	A	443	ASP	2.5
1	A	429	GLN	2.4
1	B	222	LYS	2.3
1	B	345	MET	2.3
1	A	271	GLY	2.2
1	B	307	GLU	2.2
1	B	311	ALA	2.2
1	B	344	ASP	2.2
1	B	472	GLU	2.2
1	A	448	LYS	2.2
1	A	373	VAL	2.1
1	B	466	ALA	2.1
1	B	272	PHE	2.1
1	B	463	GLU	2.1
1	B	235	PHE	2.1
1	B	236	TYR	2.1
1	A	461	THR	2.1
1	B	375	LYS	2.0
1	B	459	TYR	2.0
1	A	221	MET	2.0
1	B	246	THR	2.0
1	B	302	LYS	2.0
1	B	240	GLY	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 [i](#)

There are no oligosaccharides in this entry.

6.4 Ligands [i](#)

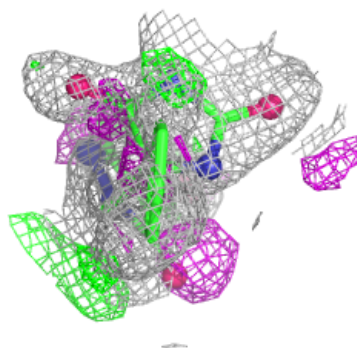
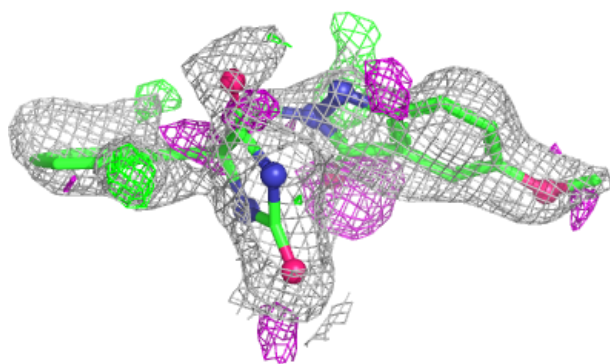
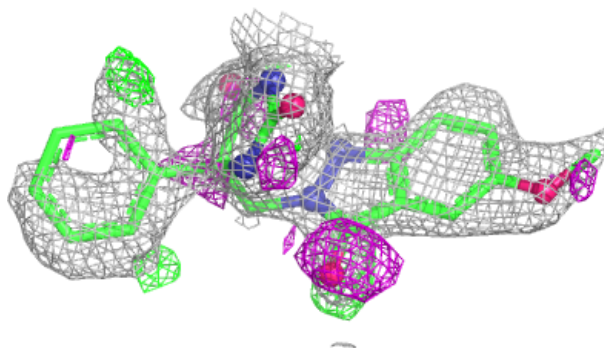
In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists 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	727	A	485	26/26	0.81	0.19	25,43,49,50	0
3	727	B	485	26/26	0.92	0.10	31,35,47,49	0
4	IPA	A	7	4/4	0.95	0.10	22,26,26,27	0
2	ZN	B	2	1/1	1.00	0.03	25,25,25,25	0
2	ZN	A	1	1/1	1.00	0.02	26,26,26,26	0

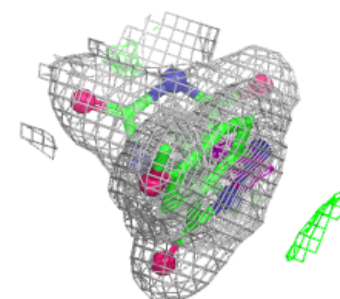
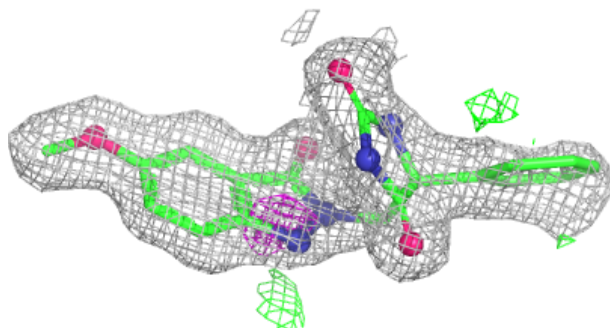
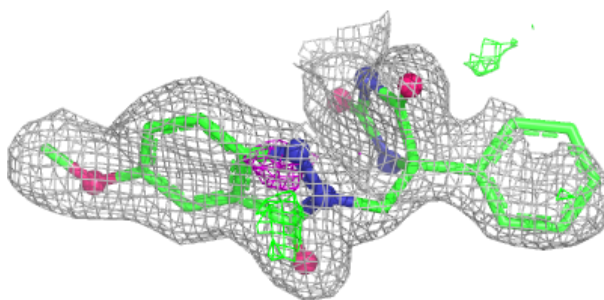
The following is a graphical depiction of the model fit to experimental electron density of all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the geometry validation Tables will also be included. Each fit is shown from different orientation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

Electron density around 727 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 727 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.