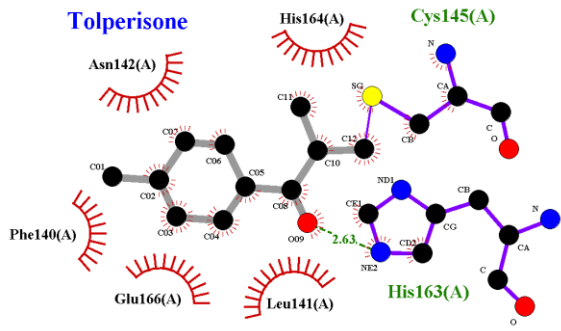
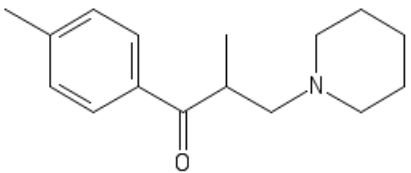
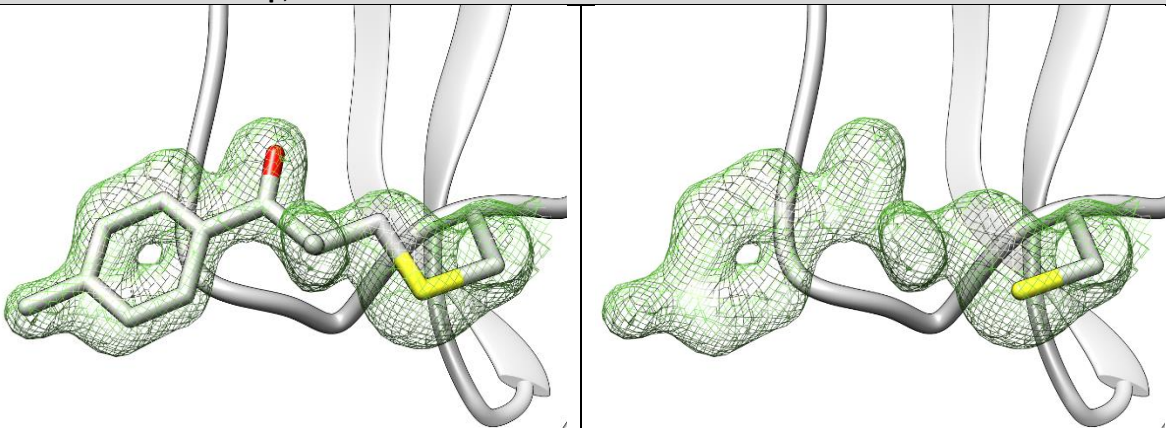
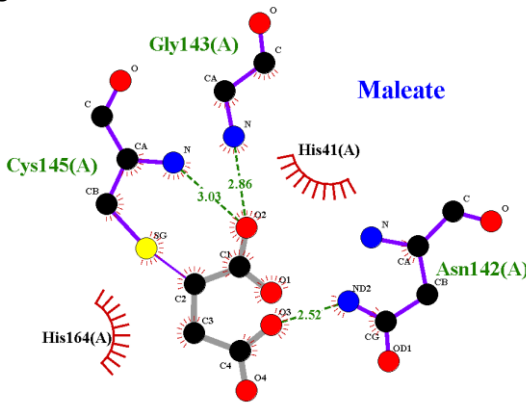
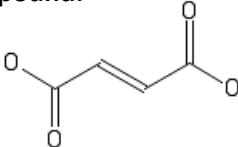
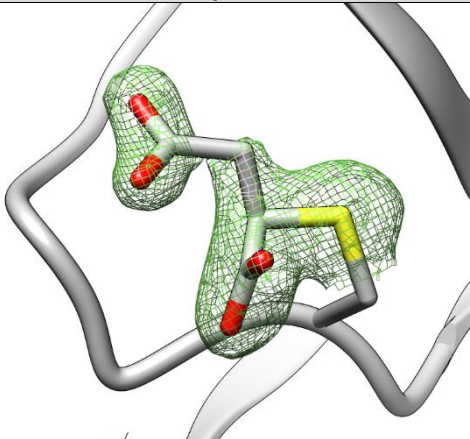
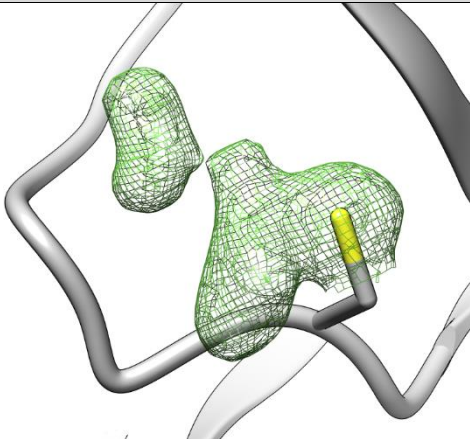


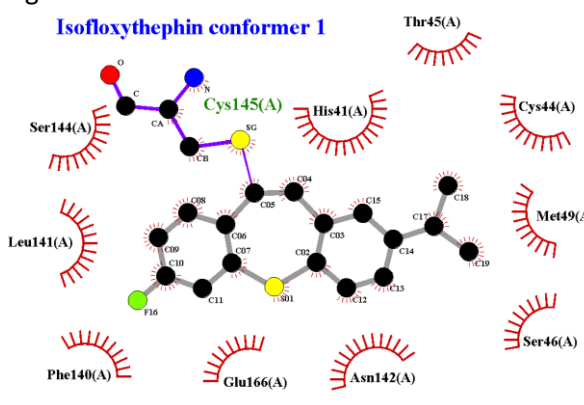
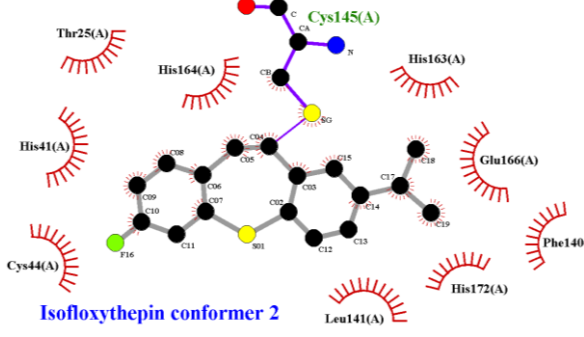
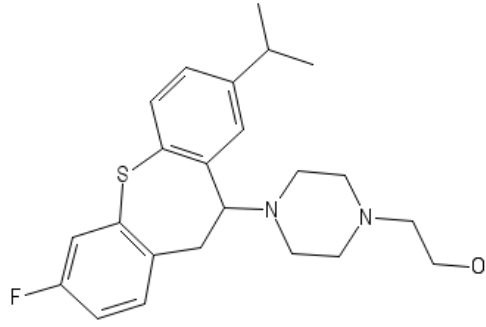
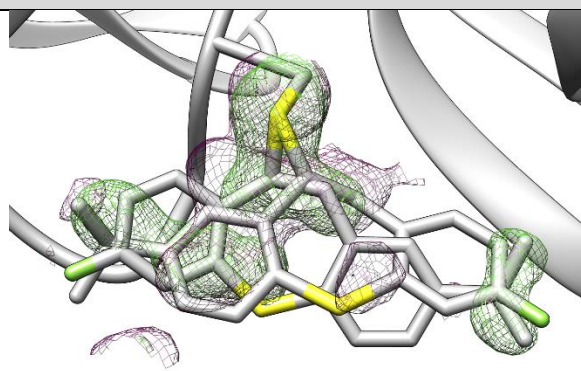
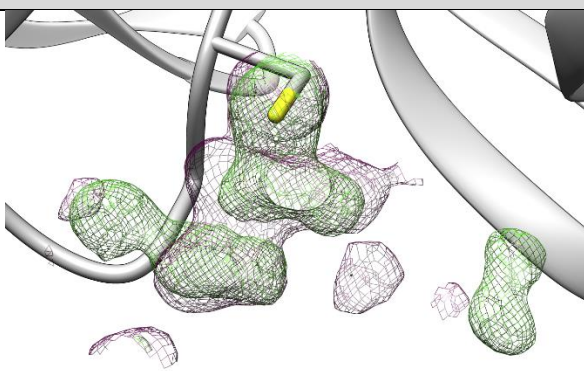
Hit#1: Leupeptin bound to SARS-CoV-2 MPro, PDB: 6YZ6	
Synonyms: Leupeptin, Ac-Leu-Leu-Arg-H, Ac-Leu-Leu-Argininal	Lig-Plot interaction network
PubChem CID: 72429	
CAS: 55123-66-5	
Molecular weight: 426.6 g/mol	
Binding type: covalent, hemithioacetal	
Binding location: Cystein 145	
Screen compound ID: - (positive control)	
Original compound:	
Isomeric smiles: <chem>CC(C)C[C@@H](C(=O)N[C@@H](CC(C)C)C(=O)N[C@@H](CCCN=C(N)N)C(=O)NC(=O)C</chem>	
Refinement 2Fo-Fc map, 1.2 σ -level	
note	
PDB structure code: 6YZ6	PDB Ligand code: AR7
Resolution: 1.7 Å	R_{work}/R_{free}: 0.17/0.22
Occupancy: 0.73, 0.21	Ligand RSCC/RSR: 0.86/0.19, 0.86/0.19
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
Native MS adduct saturation: N.a.	Native MS adduct size: N.a.

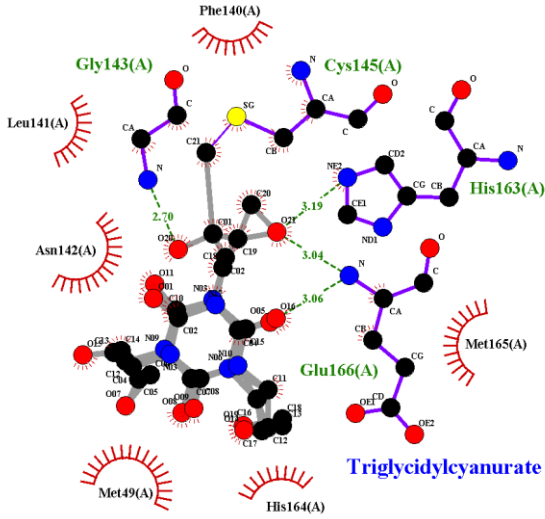
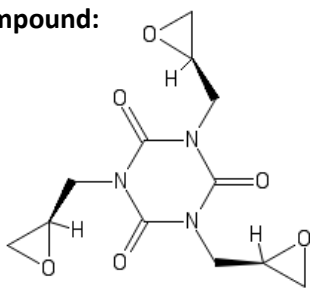
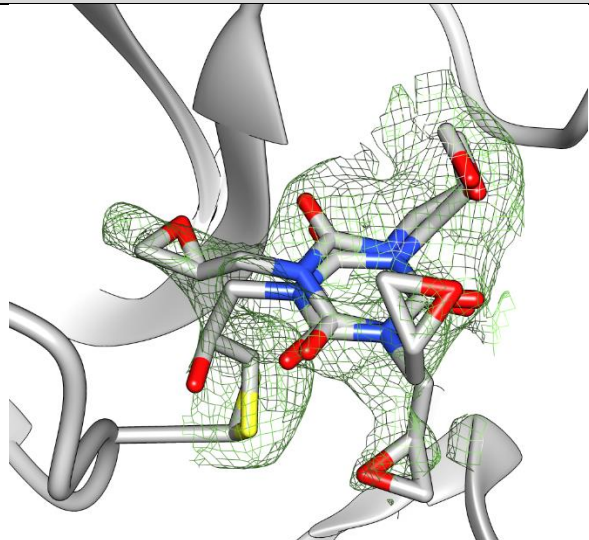
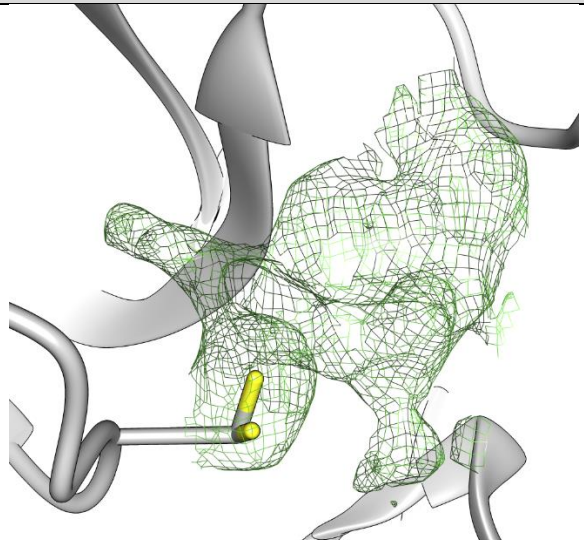
Hit#2: Calpeptin bound to SARS-CoV-2 MPro, PDB: 7AKU	
Synonyms: Calpeptin, N-Cbz-leu-nleu-al, Benzylcarbonyl-leu-nleu-H	Lig-Plot interaction network
PubChem CID: 73364	
CAS: 117591-20-5	
Molecular weight: 362.5 g/mol	
Binding type: covalent, hemithioacetal	
Binding location: Cystein 145	
Screen compound ID: SPE_K26134695	
Original compound:	
Isomeric smiles: <chem>CCCC[C@@H](C=O)NC(=O)[C@H](CC(C)C)NC(=O)OCC1=CC=CC=C1</chem>	
Refinement 2Fo-Fc map, 1.4 σ-level	
PDB structure code: 7AKU	PDB Ligand code: RN2
Resolution: 2.5 Å	R_{work}/R_{free}: 0.19/0.24
Occupancy: 1.0	Ligand RSCC/RSR: 0.94/0.16
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
Native MS adduct saturation: 82% (5 / 27 68)	Native MS adduct size: 362.5 Da

Hit#3: HEAT bound to SARS-CoV-2 MPro, PDB: 6YNQ	
Synonyms: HEAT, BE-2254, 2-(beta-(4-Hydroxyphenyl)ethylaminomethyl)tetralone	Lig-Plot interaction network
PubChem CID: 34772	
CAS: 40077-13-2	
Molecular weight: 295.4 g/mol	
Binding type: covalent, thioether	
Binding location: Cystein 145	
Screen compound ID: SPE_A24429032	
Original compound:	
Isomeric smiles: <chem>C1CC2=CC=CC=C2C(=O)C1CNCCC3=CC=C(C=C3)O</chem>	
Refinement 2Fo-Fc map, 1.4 σ -level	
PDB structure code: 6YNQ	PDB Ligand code: P6N
Resolution: 1.8 Å	R_{work}/R_{free}: 0.19/0.23
Occupancy: 1.0	Ligand RSCC/RSR: 0.92/0.11
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
Native MS adduct saturation: 43% (39/37/24)	Native MS adduct size: 181 Da

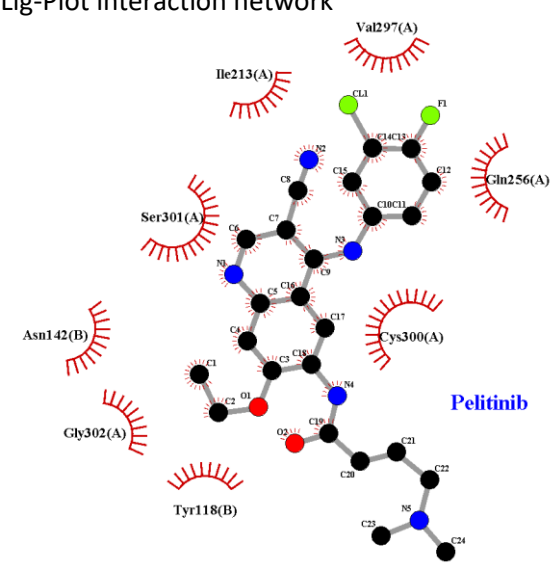
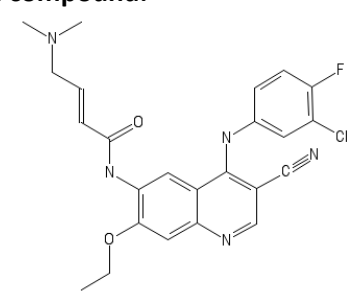
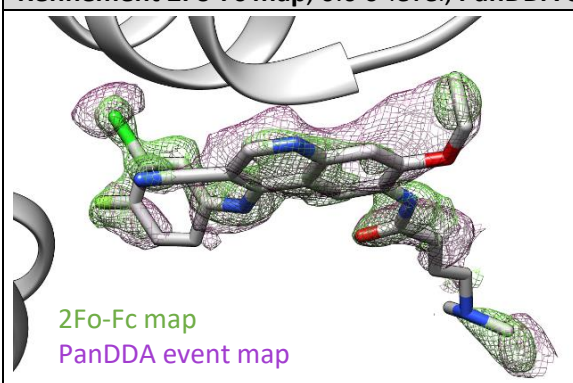
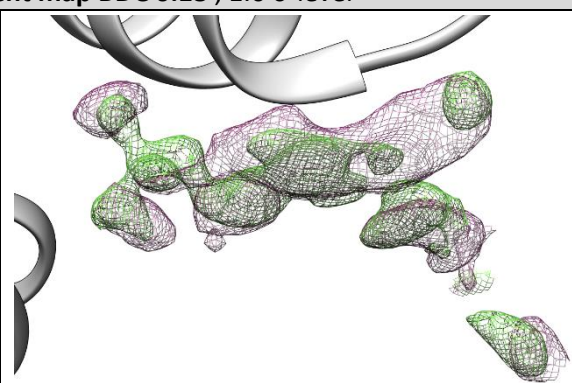
Hit#4: Tolperisone HCl bound to SARS-CoV-2 MPro, PDB: 7ADW	
Synonyms: Tolperisone, Mydeton, Mydocalm, Mideton	Lig-Plot interaction network 
PubChem CID: 5511	
CAS: 728-88-1	
Molecular weight: 245.36 g/mol	
Binding type: covalent, thioether	
Binding location: Cystein 145	
Screen compound ID: SPE_A27732521	
Original compound:	
	
Isomeric smiles: <chem>CC1=CC=C(C=C1)C(=O)C(C)CN2CCCC2</chem>	
Refinement 2Fo-Fc map, 1.0 σ-level	
	
PDB structure code: 7ADW	PDB Ligand code: R7Q
Resolution: 1.62 Å	R_{work}/R_{free}: 0.20/0.23
Occupancy: 1.0	Ligand RSCC/RSR: 0.87/0.11
Biochemistry & Cell biology	
Anti viral activity EC₅₀: 17.16 ± 1.76 μM	vRNA yield EC₅₀: 22.42 ± 2.25 μM
Anti viral activity EC₉₀: 29.68 ± 2.32 μM	vRNA yield EC₉₀: 34.65 ± 3.76 μM
Cytotoxicity CC₅₀: > 100 μM	SI CC₅₀/EC₅₀: > 5.83
Native MS adduct saturation: -	Native MS adduct size: N.a.

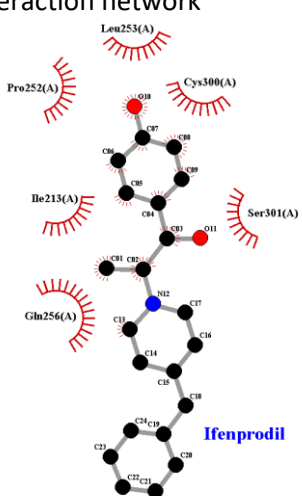
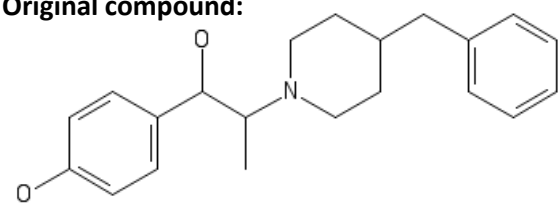
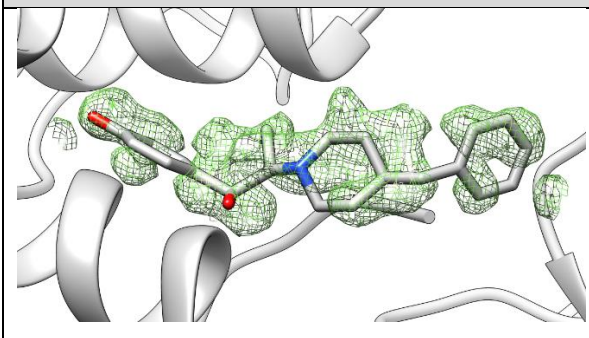
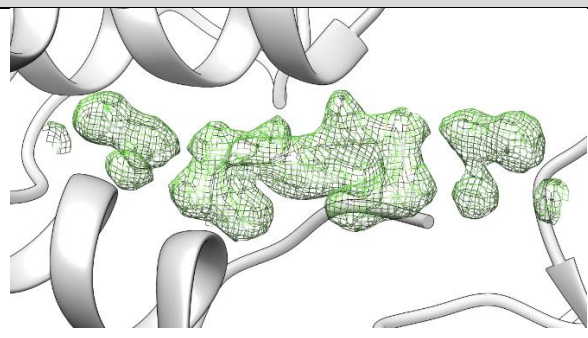
Hit#5: Maleate (Quipazine) bound to SARS-CoV-2 MPro, PDB: 7AHA	
Synonyms: Maleic acid, cis-butenedioic acid, 110-16-7, Toxilic acid, Maleinic acid	Lig-Plot interaction network 
PubChem CID: 444266 (Maleate) / 5011 (Quip.)	
CAS: 110-16-7 (Maleate) / 5786-68-5	
Molecular weight: 116.07 g/mol (Maleate)	
Binding type: covalent, thioether	
Binding location: Cystein 145	
Screen compound ID: SPE_K77925998	
Original compound:	
	
Isomeric smiles: <chem>C(=C\C(=O)[O-])\C(=O)[O-]</chem> (Maleate)	
Refinement 2Fo-Fc map, 0.8 σ-level	
	
PDB structure code: 7AHA	PDB Ligand code: SIN
Resolution: 1.68 Å	R_{work}/R_{free}: 0.17/0.20
Occupancy: 1.0	Ligand RSCC/RSR: 0.89/0.16
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
Native MS adduct saturation: -	Native MS adduct size: N.a.

Hit#6: Isofloxythepin bound to SARS-CoV-2 MPro, PDB: 7AY7	
Synonyms: Isofloxythepin, EINECS 275-028-1, 70931-18-9	Lig-Plot interaction network Isofloxythepin conformer 1 
PubChem CID: 115193	
CAS: 70931-18-9	
Molecular weight: 400.6 g/mol	
Binding type: covalent, thioether	
Binding location: Cystein 145	Isofloxythepin conformer 2 
Screen compound ID: DOM_SIM_130	
Original compound:	
	
Isomeric smiles: <chem>CC(C)C1=CC=C(C=C1)SC4=C(CC2N3CCN(CC3)CCO)C=CC(=C4)F</chem>	
Refinement 2Fo-Fc map, 0.7 σ-level, PanDDA event map BDC 0.15 , 1.4 σ-level	
 <p>2Fo-Fc map, PanDDA event map</p>	
PDB structure code: 7AY7	PDB Ligand code: S8T
Resolution: 1.55 Å	R_{work}/R_{free}: 0.17/0.20
Occupancy: 0.30, 0.38	Ligand RSCC/RSR: 0.60/0.51, 0.72/43
Biochemistry & Cell biology	
Anti viral activity EC₅₀: 4.82 ± 0.33 μM	vRNA yield EC₅₀: 4.94 ± 0.58 μM
Anti viral activity EC₉₀: 7.21 ± 0.31 μM	vRNA yield EC₉₀: 7.52 ± 0.56 μM
Cytotoxicity CC₅₀: 14.49 ± 3.57 μM	SI CC50/EC50: > 4.04
Native MS adduct saturation: -	Native MS adduct size: N.a.

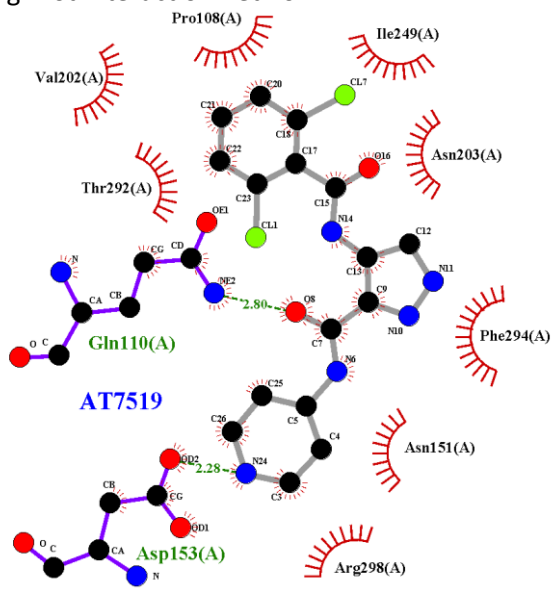
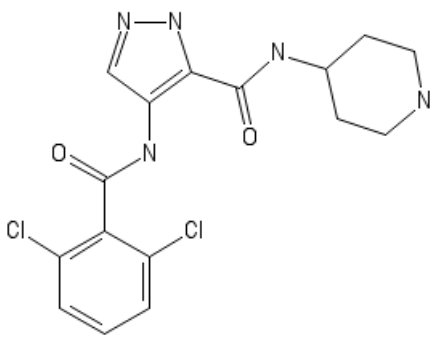
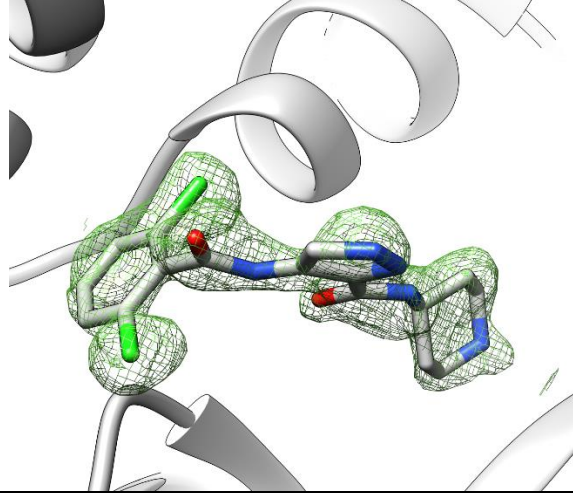
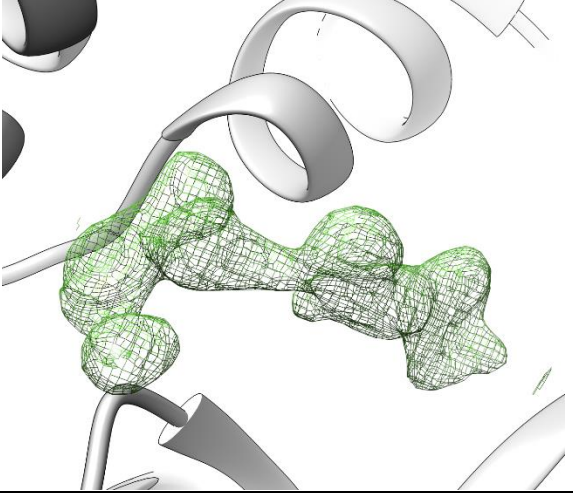
Hit#7: Triglycidyl isocyanurate bound to SARS-CoV-2 MPro, PDB: 7AQJ	
Synonyms: Triglycidyl isocyanurate, 2451-62-9, 1,3,5-Triglycidyl isocyanurate, Teroxirone	Lig-Plot interaction network 
PubChem CID: 17142	
CAS: 6990-06-3	
Molecular weight: 297.26 g/mol	
Binding type: covalent, thioether	
Binding location: Cystein 145	
Screen compound ID: SPE_A06935312	
Original compound: 	
Isomeric smiles: C1[C@H](O1)CN2C(=O)N(C(=O)N(C2=O)C[C@@H]3CO3)C[C@@H]4CO4	
Refinement 2Fo-Fc map, 0.7 σ-level	
	
PDB structure code: 7AQJ	PDB Ligand code: RV8, S7H
Resolution: 2.59 Å	R_{work}/R_{free}: 0.22/0.26
Occupancy: 0.4 / 0.47	Ligand RSCC/RSR: 0.78/0.27, 0.84/0.22
Biochemistry & Cell biology	
Anti viral activity EC₅₀: 35.68 ± 10.87 μM	vRNA yield EC₅₀: 37 ± 5.35 μM
Anti viral activity EC₉₀: 48.08 ± 9.57 μM	vRNA yield EC₉₀: 50.25 ± 4.14 μM
Cytotoxicity CC₅₀: > 100 μM	SI CC50/EC50: > 2.8
Native MS adduct saturation: 72% (8/38/53)	Native MS adduct size: 297 Da

Hit#8: MUT056399 acid bound to SARS-CoV-2 MPro, PDB: 7AP6	
Synonyms: MUT056399, 1269055-85-7, FAB-001, 4-(4-ethyl-5-fluoro-2-hydroxyphenoxy)-3-fluorobenzamide	Lig-Plot interaction network
PubChem CID: 44208849	
Molecular weight: 293.26 g/mol	
Binding type: non-covalent	
Binding location: active site pocket	
Screen compound ID: SPE_K72078047	
Original compound:	
Isomeric smiles: <chem>CCC1=CC(=C(C=C1F)OC2=C(C=C(C=C2)C(=O)N)F)O</chem>	
Refinement 2Fo-Fc map, 0.7 σ-level, PanDDA event map BDC 0.18, 1.4 σ-level	
<p>2Fo-Fc map PanDDA event map</p>	
PDB structure code: 7AP6	PDB Ligand code: RQN
Resolution: 1.78 Å	R_{work}/R_{free}: 0.20/0.23
Occupancy: 0.44	Ligand RSCC/RSR: 0.64/0.54
Biochemistry & Cell biology	
Anti viral activity EC₅₀: 43.27 ± 0.59 μM	vRNA yield EC₅₀: 42.18 ± 3.86 μM
Anti viral activity EC₉₀: 54.05 ± 0.48 μM	vRNA yield EC₉₀: 54.27 ± 2.27 μM
Cytotoxicity CC₅₀: > 100 μM	SI CC₅₀/EC₅₀: > 2.31
Native MS adduct saturation: 6% (83/17/0)	Native MS adduct size: 293 Da

Hit#9: Pelitinib bound to SARS-CoV-2 MPro, PDB: 7AXM	
Synonyms: Pelitinib, 257933-82-7, EKB-569	Lig-Plot interaction network 
PubChem CID: 6445562	
CAS: 257933-82-7	
Molecular weight: 467.9 g/mol	
Binding type: non-covalent	
Binding location: allosteric site I	
Screen compound ID: DOM_SIM_123	
Original compound: 	
Isomeric smiles: <chem>CCOC1=C(C=C2C(=C1)N=CC(=C2NC3=CC(=C(C=C3)F)Cl)C#N)NC(=O)/C=C/CN(C)C</chem>	
Refinement 2Fo-Fc map, 0.6 σ-level, PanDDA event map BDC 0.18, 1.0 σ-level	
 2Fo-Fc map PanDDA event map	
PDB structure code: 7AXM	PDB Ligand code: 93J
Resolution: 1.4 Å	R_{work}/R_{free}: 0.14/0.20
Occupancy: 0.61	Ligand RSCC/RSR: 0.61/0.28
Biochemistry & Cell biology	
Anti viral activity EC₅₀: 1.25 ± 0.02 μM	vRNA yield EC₅₀: 1.21 ± 0.1 μM
Anti viral activity EC₉₀: 2.13 ± 0.12 μM	vRNA yield EC₉₀: 2.32 ± 0.1 μM
Cytotoxicity CC₅₀: > 100 μM	SI CC50/EC50: 11.17
Native MS adduct saturation: 12% (88/12/0)	Native MS adduct size: 467 Da

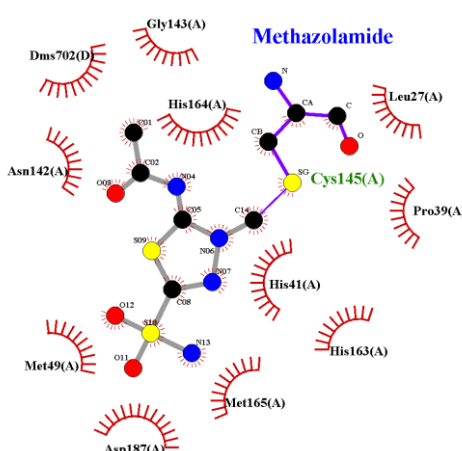
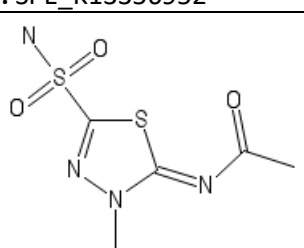
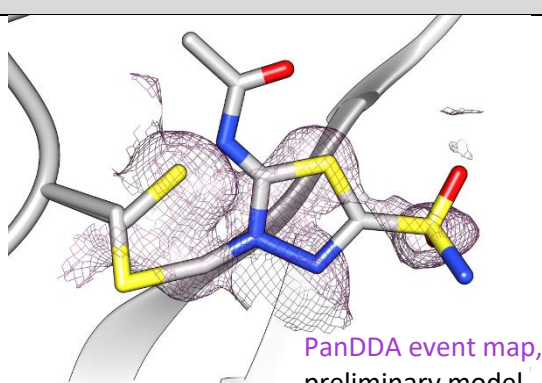
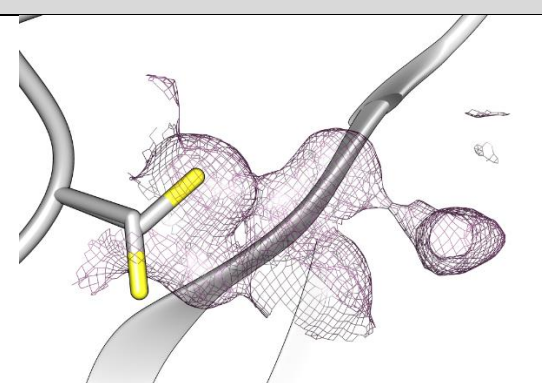
Hit#10: Ifenprodil bound to SARS-CoV-2 MPro, PDB: 7AQI	
Synonyms: Ifenprodil, 23210-56-2, ifenprodil tartrate, Vadilex, Dilvax	Lig-Plot interaction network 
PubChem CID: 3689	
CAS: 23210-56-2	
Molecular weight: 325.4 g/mol	
Binding type: non-covalent	
Binding location: allosteric site I	
Screen compound ID: SPE_A06935312	
Original compound: 	
Isomeric smiles: <chem>CC(C(C1=CC=C(C=C1)O)N)CCCC(C2)CC3=CC=CC=C3</chem>	
Refinement 2Fo-Fc map, 0.7 σ-level	
	
PDB structure code: 7AQI	PDB Ligand code: QEL
Resolution: 1.7 Å	R_{work}/R_{free}: 0.23/0.26
Occupancy: 0.5 + 0.5	Ligand RSCC/RSR: 0.80/0.19
Biochemistry & Cell biology	
Anti viral activity EC₅₀: 43.37 ± 2.99 μM	vRNA yield EC₅₀: 44.96 ± 5.52 μM
Anti viral activity EC₉₀: 51.25 ± 2.34 μM	vRNA yield EC₉₀: 53.73 ± 1.74 μM
Cytotoxicity CC₅₀: > 100 μM	SI CC50/EC50: > 2.31
Native MS adduct saturation: 27% (61/24/15)	Native MS adduct size: 126 Da

Hit#11: RS102895 bound to SARS-CoV-2 MPro, PDB: 7ABU	
Synonyms: RS102895, GTPL779, CHEMBL1593104, SCHEMBL9972649	Lig-Plot interaction network
PubChem CID: 10000456	
CAS: 1173022-16-6	
Molecular weight: 390.4 g/mol	
Binding type: non-covalent	
Binding location: allosteric site I	
Screen compound ID: SPE_K83063356	
Original compound:	
Isomeric smiles: <chem>C1CN(CCC12C3=CC=CC=C3NC(=O)O2)CCC4=CC=C(C=C4)C(F)(F)F</chem>	
Refinement 2Fo-Fc map, 0.5 σ-level	
PDB structure code: 6ABU	PDB Ligand code: R6Q
Resolution: 1.6 Å	R_{work}/R_{free}: 0.18/0.22
Occupancy: 0.48 + 0.48	Ligand RSCC/RSR: 0.74/0.22
Biochemistry & Cell biology	
Anti viral activity EC₅₀: 19.92 ± 0.21 μM	vRNA yield EC₅₀: 16.76 ± 3.65 μM
Anti viral activity EC₉₀: 23.29 ± 0.15 μM	vRNA yield EC₉₀: 22.3 ± 1.38 μM
Cytotoxicity CC₅₀: 51.5 ± 0.62 μM	SI CC50/EC50: 2.59
Native MS adduct saturation: 3% (94/6/0)	Native MS adduct size: 390 Da

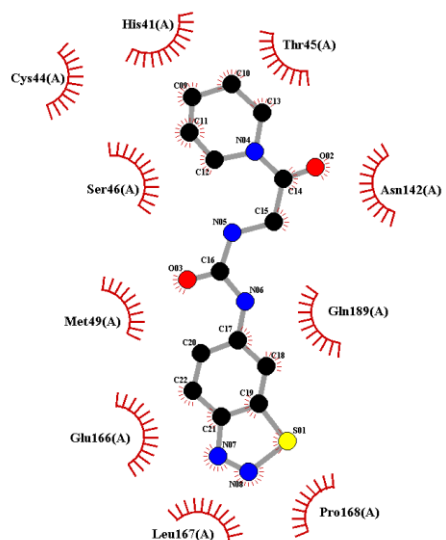
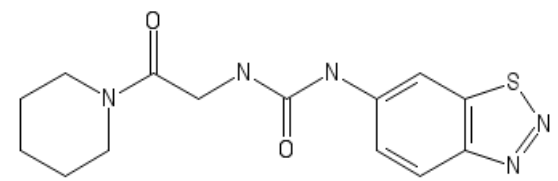
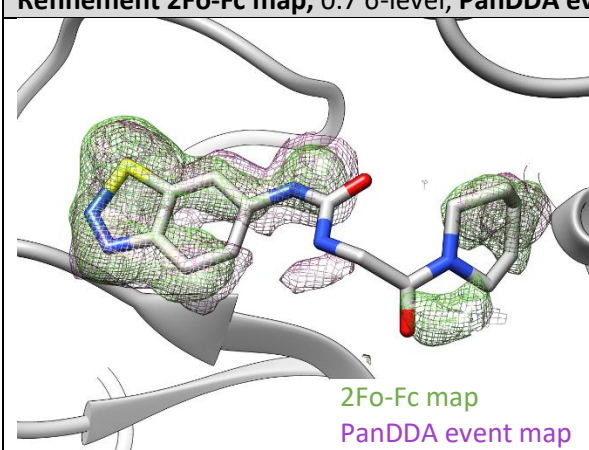
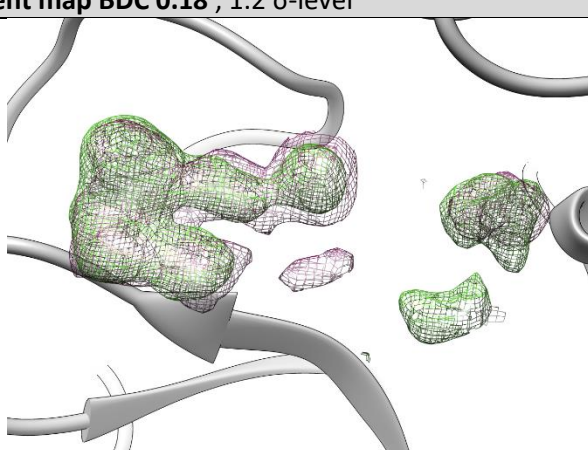
Hit#12: AT7519 bound to SARS-CoV-2 MPro, PDB: 7AGA	
Synonyms: AT7519, 844442-38-2	Lig-Plot interaction network 
PubChem CID: 11338033	
CAS: 844442-38-2	
Molecular weight: 382.2 g/mol	
Binding type: non-covalent	
Binding location: allosteric site II	
Screen compound ID: DOM_SIM_132	
Original compound: 	
Isomeric smiles: C1CNCCC1NC(=O)C2=C(C=NN2)NC(=O)C3=C(C=CC=C3Cl)Cl	
Refinement 2Fo-Fc map, 0.6 σ-level	
	
PDB structure code: 7AGA	PDB Ligand code: LZE
Resolution: 1.68 Å	R_{work}/R_{free}: 0.19/0.23
Occupancy: 0.72	Ligand RSCC/RSR: 0.80/0.16
Biochemistry & Cell biology	
Anti viral activity EC₅₀: 27.5 ± 2.83 μM	vRNA yield EC₅₀: 43.66 ± 6.32 μM
Anti viral activity EC₉₀: 45.47 ± 2.64 μM	vRNA yield EC₉₀: 74.93 ± 5.39 μM
Cytotoxicity CC₅₀: > 100 μM	SI CC50/EC50: > 3.64
Native MS adduct saturation: 21% (65/28/7)	Native MS adduct size: 382 Da

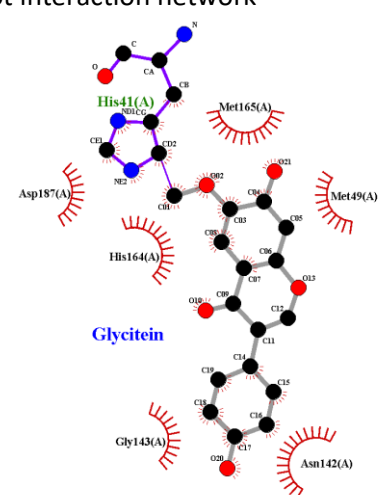
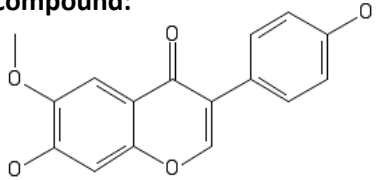
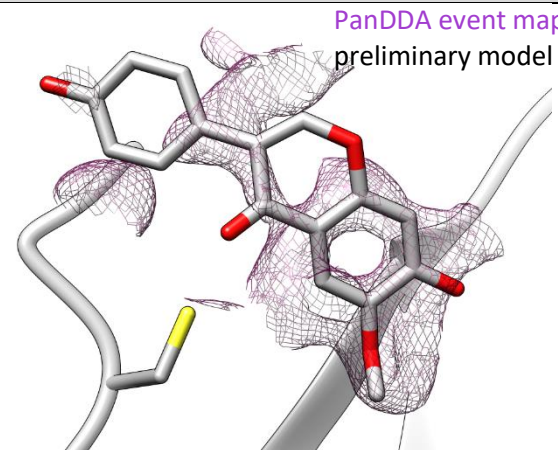
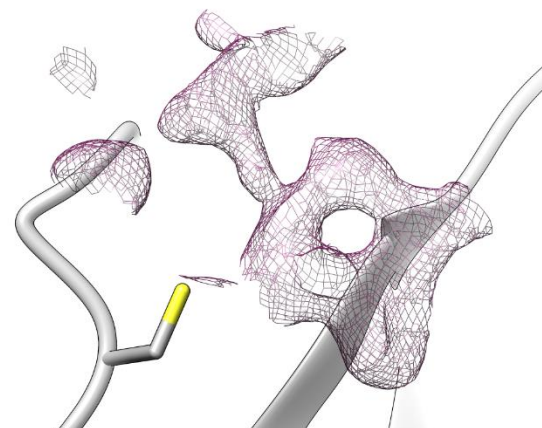
Hit#13: Zinc pyrithion bound to SARS-CoV-2 MPro, PDB: 6YT8	
Synonyms: Zinc pyrithione, Zinc Omadine,	Lig-Plot interaction network
PubChem CID: 26041	
CAS: 13463-41-7	
Molecular weight: 317.7 g/mol	
Binding type: Covalent, complex bond	
Binding location: Cystein 145, Histidine 41	
Screen compound ID: SPE_K16136380	
Original compound:	
Isomeric smiles: <chem>C1=CC=[N+](C(=C1)[S-])[O-].C1=CC=[N+](C(=C1)[S-])[O-].[Zn+2]</chem>	
Refinement 2Fo-Fc map, 1.4 σ -level	
PDB structure code: 6YT8	PDB Ligand code: PK8
Resolution: 2.05 Å	R_{work}/R_{free}: 0.20/0.23
Occupancy: 0.83	Ligand RSCC/RSR: 0.96/0.16
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
Native MS adduct saturation: 72% (11/34/55)	Native MS adduct size: 128 Da

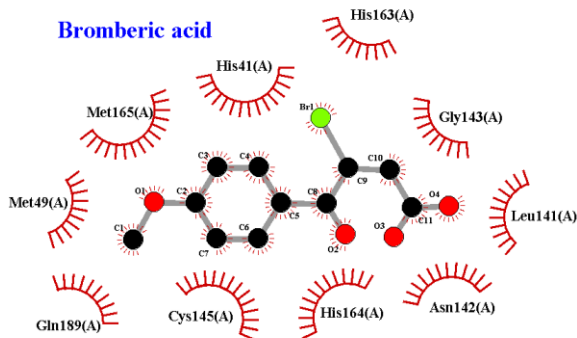
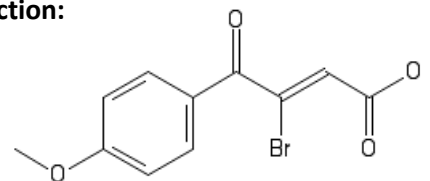
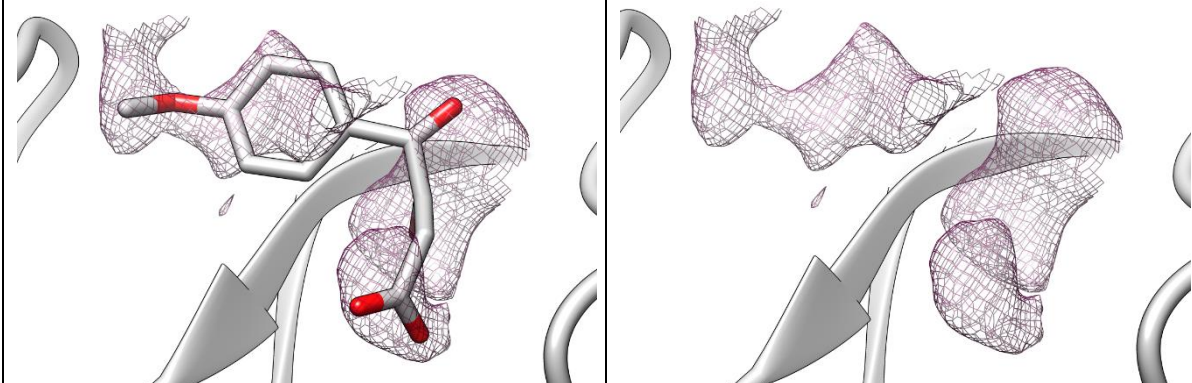
Hit#14: TH-302 bound to SARS-CoV-2 MPro, PDB: 7AWS	
Synonyms: Evofosfamide, TH-302, 918633-87-1, TH302	Lig-Plot interaction network
PubChem CID: 11984561	
CAS: 918633-87-1	
Molecular weight: 449.04 g/mol	
Binding type: covalent, thioether	
Binding location: Cystein 145	
Screen compound ID: SPE_K20958582	
Original compound: 	
Isomeric smiles: <chem>CN1C(=CN=C1[N+](=O)[O-])COP(=O)(NCCBr)NCCBr</chem>	
Refinement 2Fo-Fc map, 1.0 σ-level, PanDDA event map BDC 0.18, 2.0 σ-level	
PDB structure code: 7AWS	PDB Ligand code: S8E
Resolution: 1.81 Å	R_{work}/R_{free}: 0.20/0.24
Occupancy: 0.56	Ligand RSCC/RSR: 0.64/0.27
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
Native MS adduct saturation: 25% (59/30/7)	Native MS adduct size: 365 Da

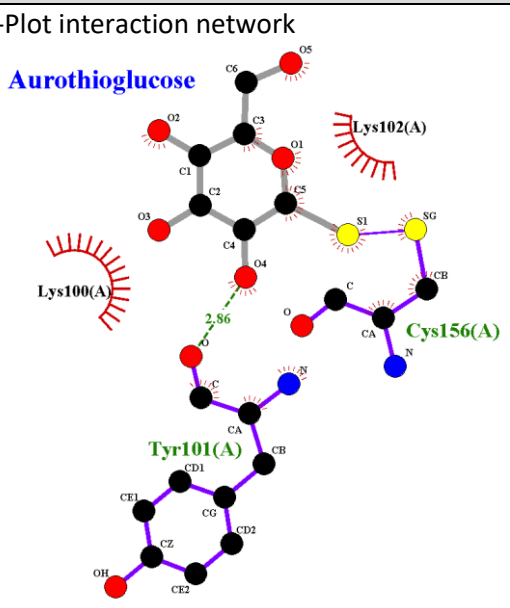
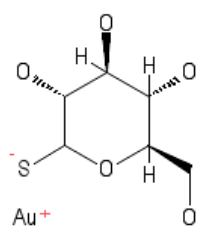
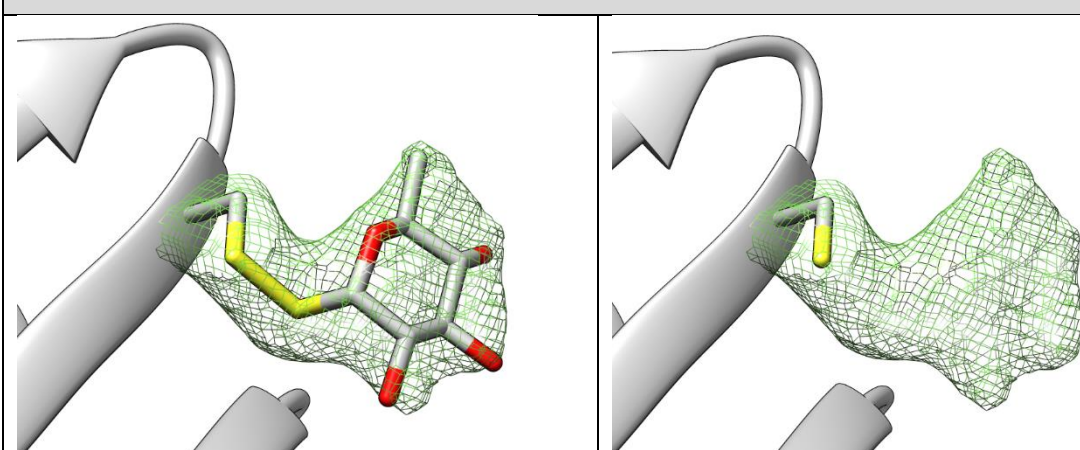
Hit#15: Methazolamide bound to SARS-CoV-2 MPro, not deposited	
Synonyms: Methazolamide, Neptazane, Methenamide, Neptazaneat	Lig-Plot interaction network 
PubChem CID: 4100	
CAS: 554-57-4	
Molecular weight: 236.3 g/mol	
Binding type: binding mode undefined	
Binding location: active site pocket	
Screen compound ID: SPE_K13356952	
Original compound: 	
Isomeric smiles: <chem>CC(=O)N=C1N(N=C(S1)S(=O)(=O)N)C</chem>	
PanDDA event map BDC 0.18, 1.2 σ-level	
 PanDDA event map, preliminary model	
PDB structure code: -	PDB Ligand code: -
Resolution ohh my god Resolution: 1.65 Å	R_{work}/R_{free}: -
Occupancy: -	Ligand RSCC/RSR: -
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
Native MS adduct saturation: -	Native MS adduct size: N.a.

Hit#16: Fusidic acid bound to SARS-CoV-2 MPro, PDB: 7A1U	
Synonyms: Fusidic acid, Fusidine, Ramycin, Fucithalamic	Lig-Plot interaction network
PubChem CID: 3000226	
CAS: 6990-06-3	
Molecular weight: 516.7 g/mol	
Binding type: non-covalent	
Binding location: active site pocket	
Screen compound ID: SPE_A06935312	
Original compound:	
Isomeric smiles:	
<chem>C[C@H]1[C@@H]2CC[C@]3([C@H]([C@]2(CC[C@H]1O)C)[C@@H](C[C@@H]\4[C@@]3(C[C@@H]/(C4=C/C/C=C(C)C)\C(=O)O)OC(=O)C)O)C</chem>	
Refinement 2Fo-Fc map, 0.7 σ-level	
PDB structure code: 7A1U	PDB Ligand code: FUA
Resolution: 1.8 Å	R_{work}/R_{free}: 0.19/0.23
Occupancy: 0.8	Ligand RSCC/RSR: 0.69/0.18
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
Native MS adduct saturation: 14% (78/18/5)	Native MS adduct size: 516 Da

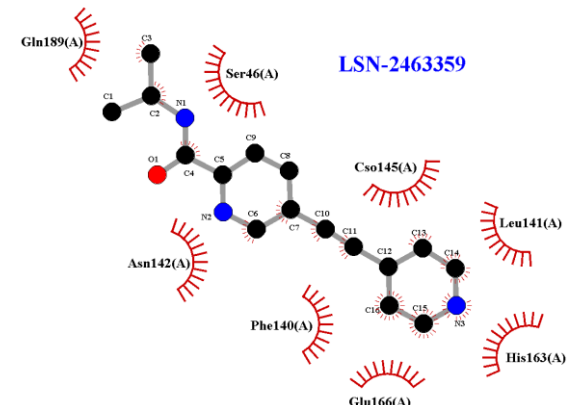
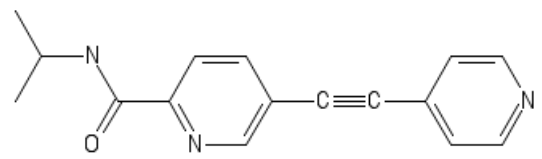
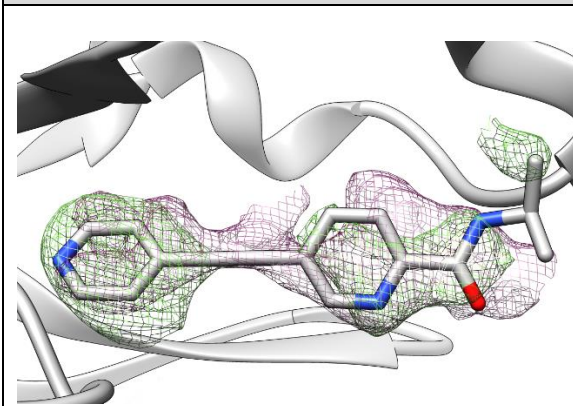
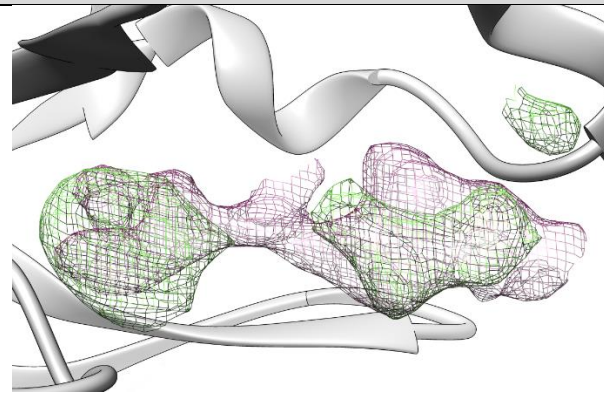
Hit#17: UNC-2327 bound to SARS-CoV-2 MPro, PDB: 7AQE	
Synonyms: UNC-2327, ChEMBL2325198, BDBM50427787	Lig-Plot interaction network 
PubChem CID: 71583615	
CAS: 5057	
Molecular weight: 319.38 g/mol	
Binding type: non-covalent	
Binding location: active site pocket	
Screen compound ID: SPE_K60635008	
Interaction: 	
Isomeric smiles: C1CCN(CC1)C(=O)CNC(=O)NC2=CC3=C(C=C2)N=NS3	
Refinement 2Fo-Fc map, 0.7 σ -level, PanDDA event map BDC 0.18, 1.2 σ -level	
 <p>2Fo-Fc map PanDDA event map</p>	
PDB structure code: 7AQE	PDB Ligand code: RV5
Resolution: 1.5 Å	R _{work} /R _{free} : 0.20/0.24
Occupancy: 0.82	Ligand RSCC/RSR: 0.67/0.34
Biochemistry & Cell biology	
Anti viral activity EC ₅₀ : N.a.	vRNA yield EC ₅₀ : N.a.
Anti viral activity EC ₉₀ : N.a.	vRNA yield EC ₉₀ : N.a.
Cytotoxicity CC ₅₀ : N.a.	SI CC50/EC50: N.a.
Native MS adduct saturation: 12% (76/24/0)	Native MS adduct size: 319 Da

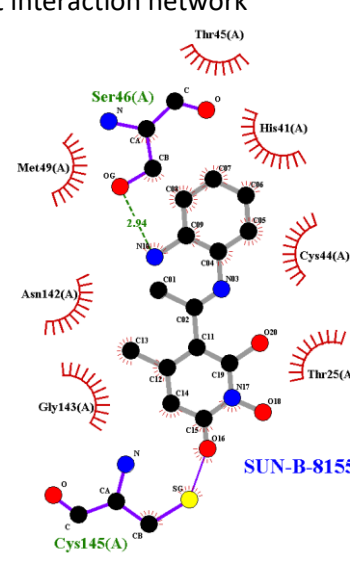
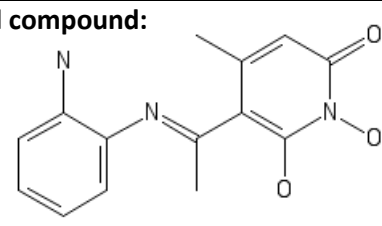
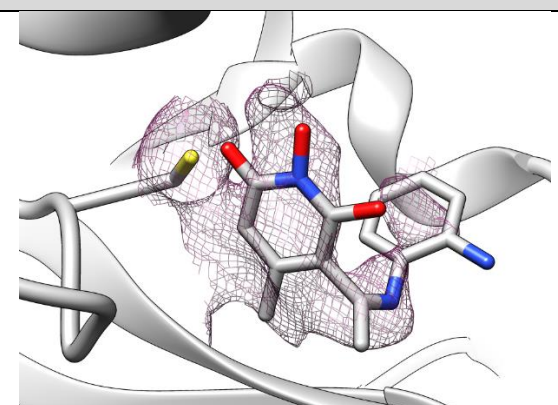
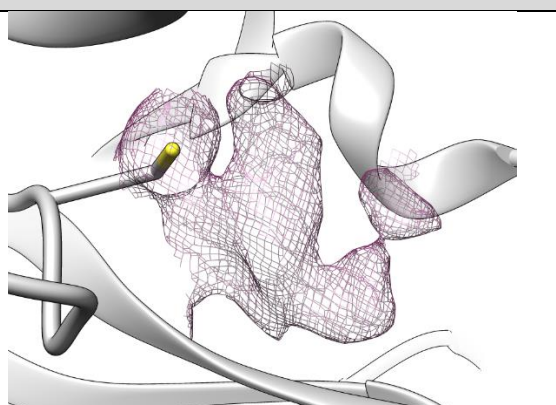
Hit#18: Glycitein bound to SARS-CoV-2 MPro, not deposited	
Synonyms: Glycitein, 40957-83-3, 7,4'-Dihydroxy-6-methoxyisoflavone	Lig-Plot interaction network 
PubChem CID: 5317750	
CAS: 956128-01-1	
Molecular weight: 284.26 g/mol	
Binding type: binding mode undefined	
Binding location: active site pocket	
Screen compound ID: SPE_K78303961	
Original compound: 	
Isomeric smiles: COC1=C(C=C2C(=C1)C(=O)C(=CO2)C3=CC=C(C=C3)O)O	
Pandda event-map, 1.0 σ-level	
 PanDDA event map, preliminary model	
PDB structure code: -	PDB Ligand code: -
Resolution: 1.7 Å	R_{work}/R_{free}: -
Occupancy: -	Ligand RSCC/RSR: -
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
Native MS adduct saturation: -	Native MS adduct size: N.a.

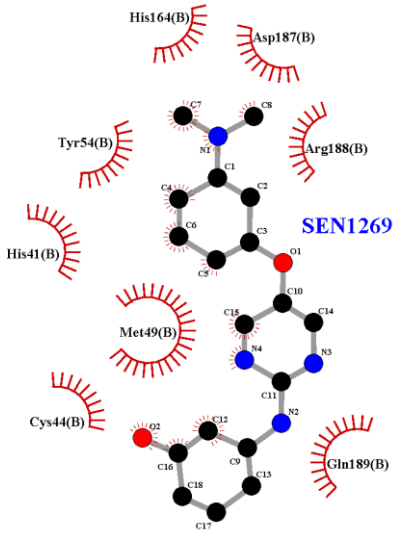
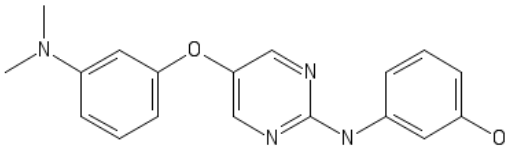
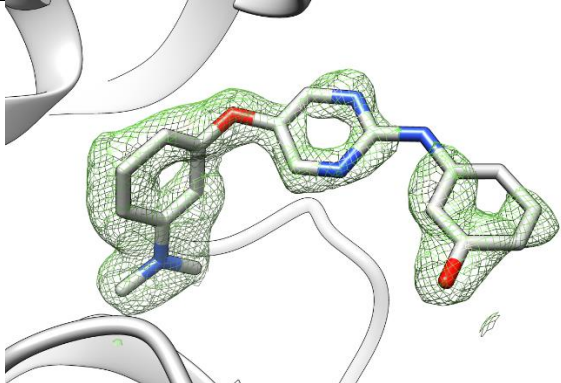
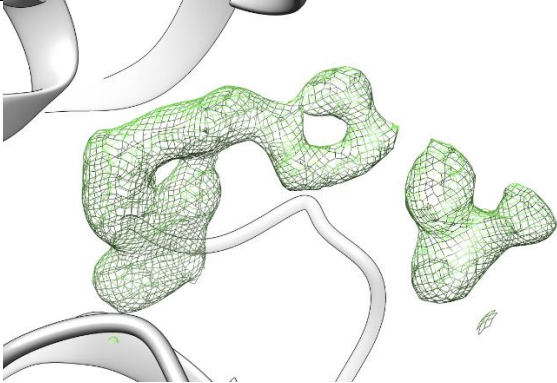
Hit#19: Bromebic-acid bound to SARS-CoV-2 MPro, not deposited	
Synonyms: Bromebic acid, Bromebrinsaeure, Acido bromebrico, Acidum bromebricum	Lig-Plot interaction network 
PubChem CID: 5358572	
CAS: 21739-91-3	
Molecular weight: 285.09 g/mol	
Binding type: non-covalent	
Binding location: active site pocket	
Screen compound ID: SPE_K17874929	
Interaction: 	
Isomeric smiles: COC1=CC=C(C=C1)C(=O)/C(=C\C(=O)O)/Br	
PanDDA event map BDC 0.16 , 1.2 σ-level	
	
PDB structure code: -	PDB Ligand code: -
Resolution: 1.7 Å	R_{work}/R_{free}: -
Occupancy: -	Ligand RSCC/RSR: -
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
Native MS adduct saturation: N.a.	Native MS adduct size: N.a.

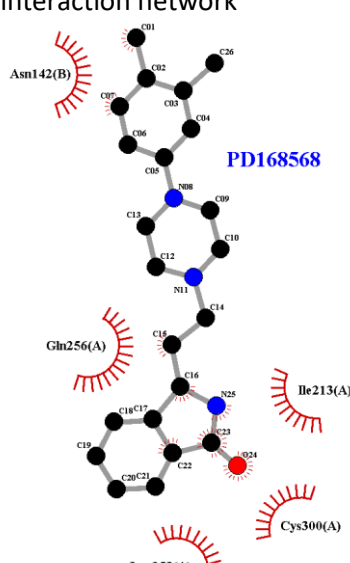
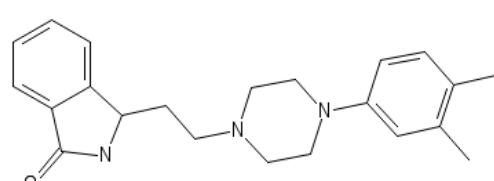
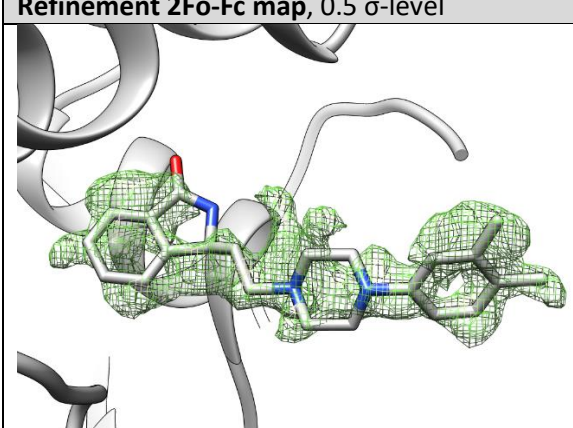
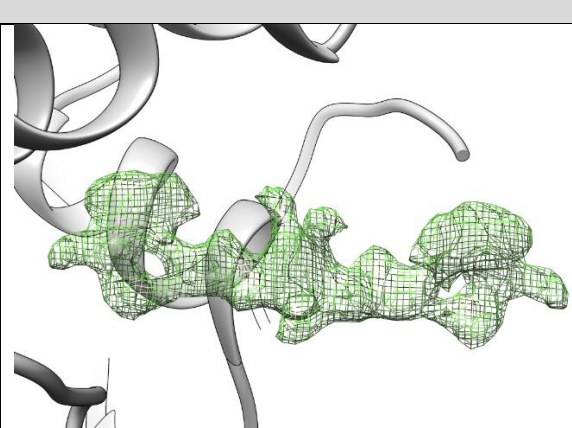
Hit#20: Aurothioglucose bound to SARS-CoV-2 MPro, PDB: 7ARF	
Synonyms: Aurothioglucose, Gold thioglucose, Solganal	Lig-Plot interaction network 
PubChem CID: 454937	
CAS: 12192-57-3	
Molecular weight: 392.18 g/mol	
Binding type: Sulfinic acid Cys145, covalent disulfide Cys156	
Binding location: active site Cys145, surface Cys 156	
Screen compound ID: SPE_A89825407	
Original compound:	
	
Isomeric smiles: C([C@@H]1[C@H]([C@@H]([C@H](C(O1)[S-])O)O)O)O.[Au+]	
Refinement 2Fo-Fc map, 1.2 σ -level	
	
PDB structure code: 7ARF	PDB Ligand code: RVW
Resolution: 2.0 Å	R_{work}/R_{free}: 0.21/0.25
Occupancy: 1.0	Ligand RSCC/RSR: 0.93/0.16
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
Native MS adduct saturation: N.a.	Native MS adduct size: N.a.

Hit#21: Glutathione isopropyl ester bound to SARS-CoV-2 MPro, PDB: 7AX6	
Synonyms: Glutathione monoisopropyl ester, Glutathione isopropyl ester, H-Glu(cys-gly-isopropyl ester)-OH	Lig-Plot interaction network
PubChem CID: 114894	
CAS: 97451-46-2	
Molecular weight: 349.41 g/mol	
Binding type: covalent, disulfide bond	
Binding location: Cystein 156	
Screen compound ID: SPE_K58937086	
Original compound:	
Isomeric smiles: <chem>CC(C)OC(=O)CNC(=O)C(CS)NC(=O)CCC(C(=O)O)N</chem>	
Refinement 2Fo-Fc map, 0.7 σ-level	
PDB structure code: 7AX6	PDB Ligand code: S8H
Resolution: 1.95 Å	R_{work}/R_{free}: 0.19/0.25
Occupancy: 0.6	Ligand RSCC/RSR: 0.85/0.24
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
Native MS adduct saturation: 24% (62/28/10)	Native MS adduct size: 126/188 Da

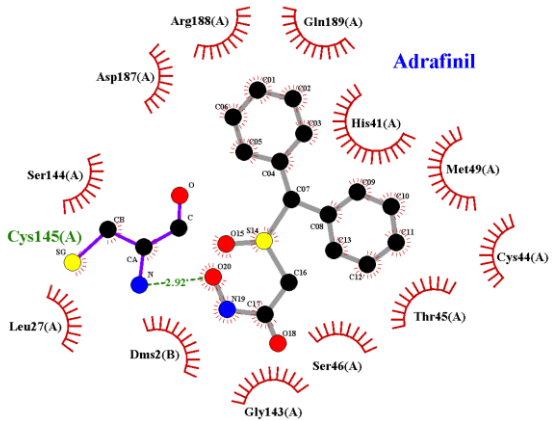
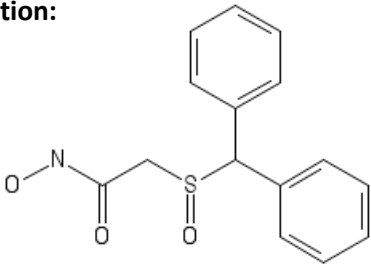
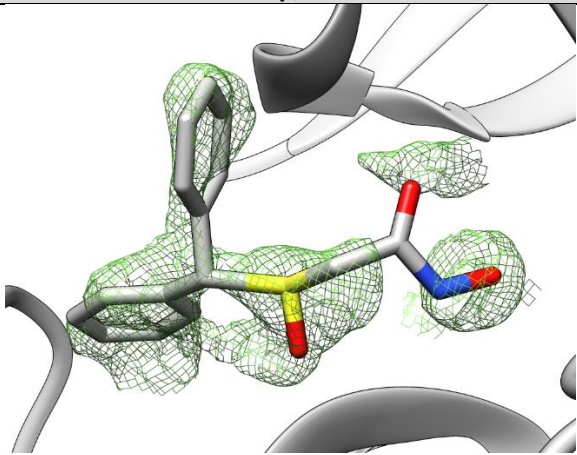
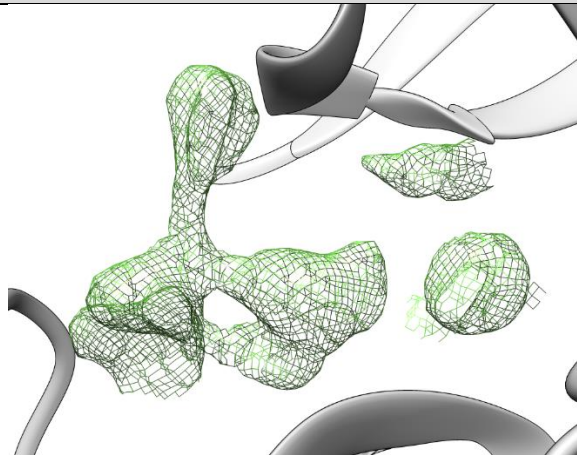
Hit#22: LSN-2463359 bound to SARS-CoV-2 MPro, PDB: 7AWU	
Synonyms: N-Isopropyl-5-(pyridin-4-ylethynyl)picolinamide, LSN2463359, ChEMBL2431212	Lig-Plot interaction network 
PubChem CID: 72551298	
CAS: -	
Molecular weight: 265.31 g/mol	
Binding type: Non-covalent	
Binding location: Active site pocket	
Screen compound ID: SPE_A06935312	
Original compound: 	
Isomeric smiles: <chem>CC(C)NC(=O)C1=NC=C(C#CC2=CC=NC=C2)C1</chem>	
Refinement 2Fo-Fc map, 0.6 σ-level, PanDDA event map BDC 0.18, 1.6 σ-level	
 2Fo-Fc map, PanDDA event map	
PDB structure code: 7AWU	PDB Ligand code: S8B
Resolution: 2.07 Å	R_{work}/R_{free}: 0.21/0.26
Occupancy: 0.75	Ligand RSCC/RSR: 0.73/0.44
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
Native MS adduct saturation: N.a.	Native MS adduct size: N.a.

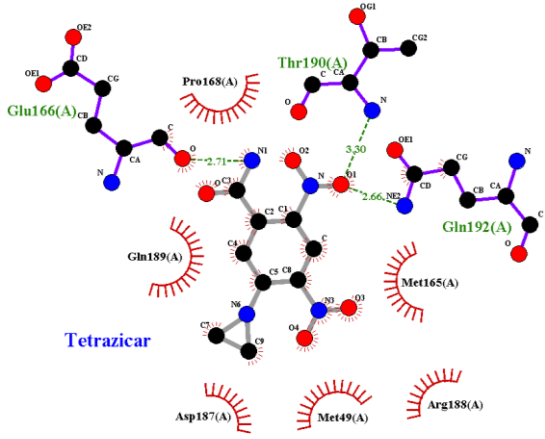
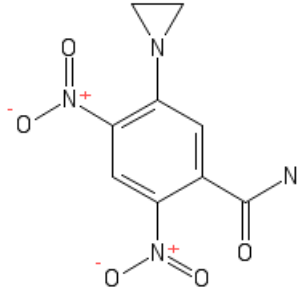
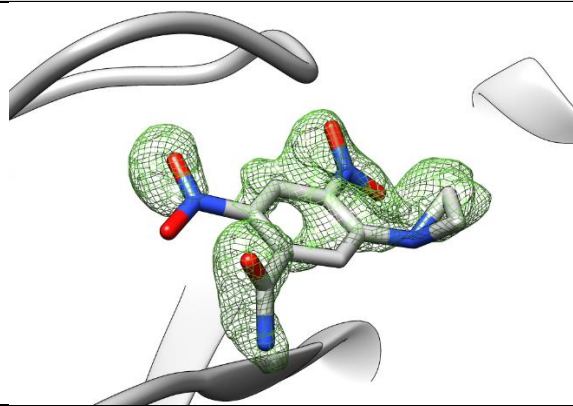
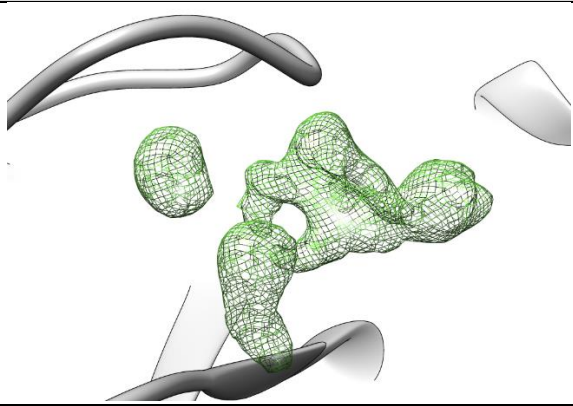
Hit#23: SUN-B-8155 bound to SARS-CoV-2 MPro, not deposited	
Synonyms: SUN-B 8155, 345893-91-6, 5-[1-[(2-Aminophenyl)imino]ethyl]-1,6-dihydroxy-4-methyl-2(1H)-pyridone, ZINC9129	Lig-Plot interaction network
PubChem CID: 135484493	
CAS: 6990-06-3	
Molecular weight: 273.29 g/mol	
Binding type: binding mode undefined	
Binding location: active site pocket	
Screen compound ID: SPE_K79239947	
Original compound: 	
Isomeric smiles: <chem>CC1=CC(=O)N(C(=C1C(=NC2=CC=CC=C2N)C)O)O</chem>	
PanDDA event map BDC 0.18 , 1.2 σ -level	
	
PanDDA event Map, preliminary model	
PDB structure code: -	PDB Ligand code: -
Resolution: 1.7 Å	R_{work}/R_{free}: -
Occupancy: -	Ligand RSCC/RSR: -
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
In vitro inhibition IC50: N.a.	Native mass spectrometry: N.a.

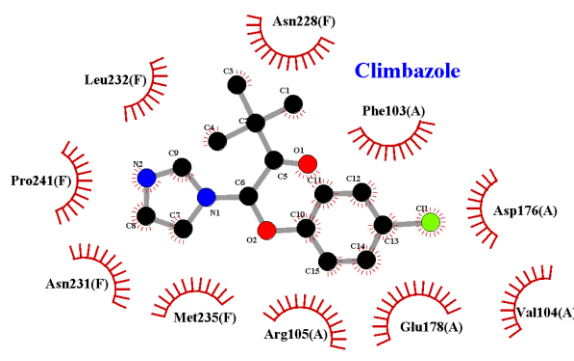
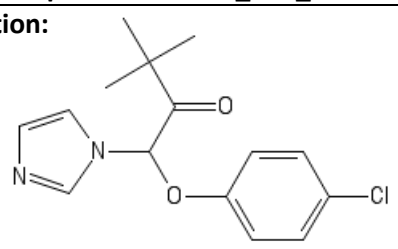
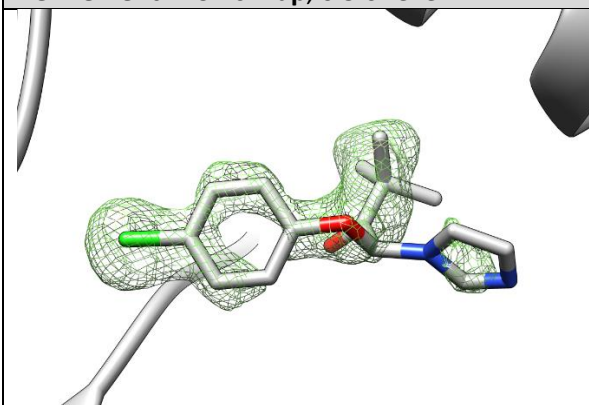
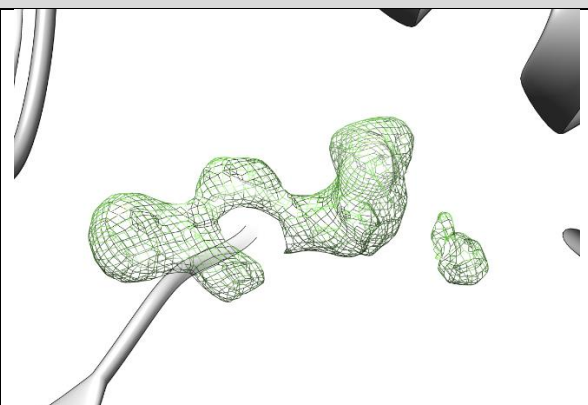
Hit#24: SEN1269 bound to SARS-CoV-2 MPro, PDB: 7AVD	
Synonyms: SEN1269, 3-(5-(3-(dimethylamino)phenoxy)pyrimidin-2-ylamino)phenol	Lig-Plot interaction network 
PubChem CID: 46835756	
CAS: 956128-01-1	
Molecular weight: 322.36 g/mol	
Binding type: Non-covalent	
Binding location: Surface	
Screen compound ID: SPE_K70614402	
Original compound: 	
Isomeric smiles: CN(C)C1=CC(=CC=C1)OC2=CN=C(N=C2)NC3=CC(=CC=C3)O	
Refinement 2Fo-Fc map, 0.7 σ-level	
	
PDB structure code: 7AVD	PDB Ligand code: S1W
Resolution: 1.8 Å	R_{work}/R_{free}: 0.19/0.24
Occupancy: 1.0	Ligand RSCC/RSR: 0.76/0.27
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
In vitro inhibition IC₅₀: N.a.	Native mass spectrometry: N.a.

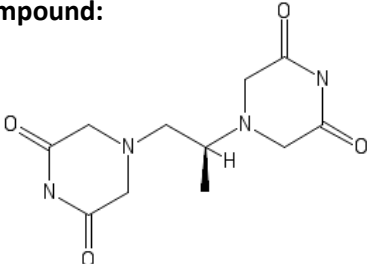
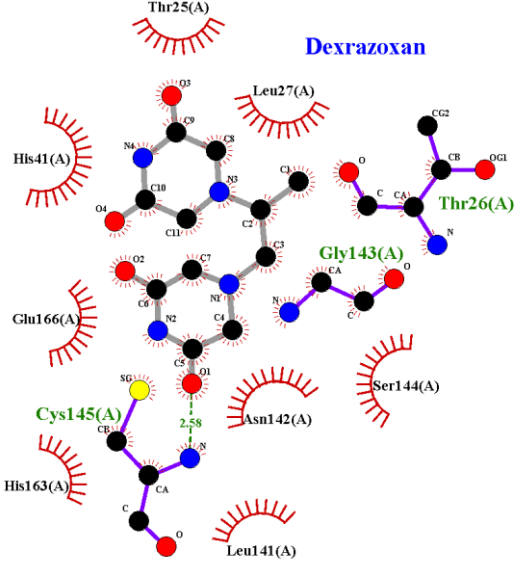
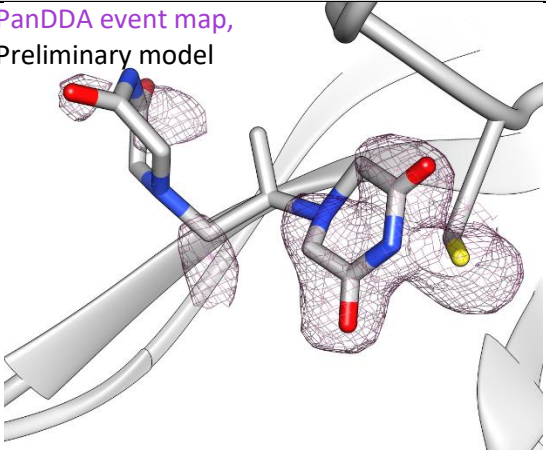
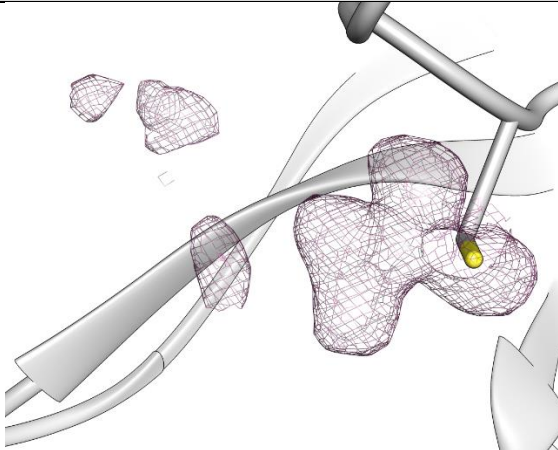
Hit#25: PD168568 bound to SARS-CoV-2 MPro, PDB: 7AMJ	
Synonyms: PD 168568, 210688-56-5	Lig-Plot interaction network 
PubChem CID: 56972231	
CAS: 210688-56-5	
Molecular weight: 422.4 g/mol	
Binding type: non-covalent	
Binding location: allosteric site I	
Screen compound ID: SPE_A82013137	
Original compound: 	
Isomeric smiles: CC1=C(C=C(C=C1)N2CCN(CC2)CCC3C4=CC=CC=C4C(=O)N3)C.Cl.Cl	
Refinement 2Fo-Fc map, 0.5 σ-level	
	
PDB structure code: 7AMJ	PDB Ligand code: RMZ
Resolution: 1.59 Å	R_{work}/R_{free}: 0.17/0.21
Occupancy: 0.42 + 0.42	Ligand RSCC/RSR: 0.65/0.27
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
Native MS adduct saturation: 11% (81/16/3)	Native MS adduct size: 350 Da

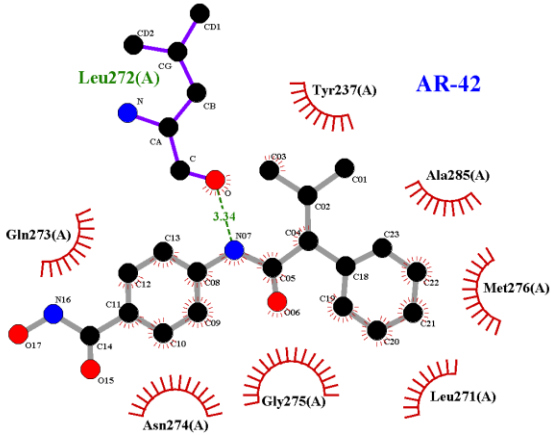
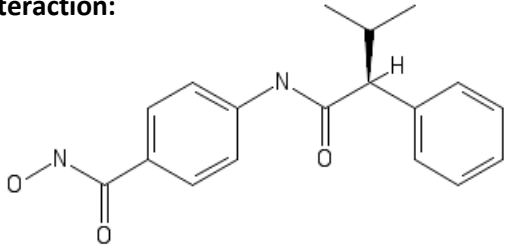
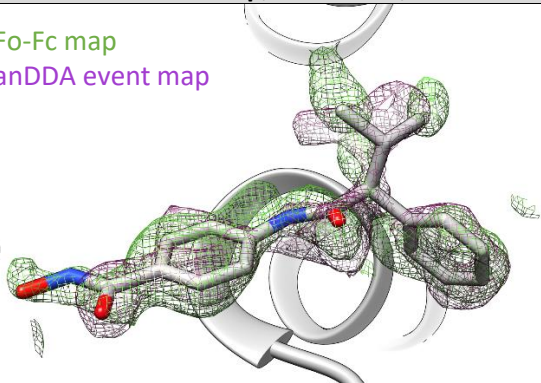
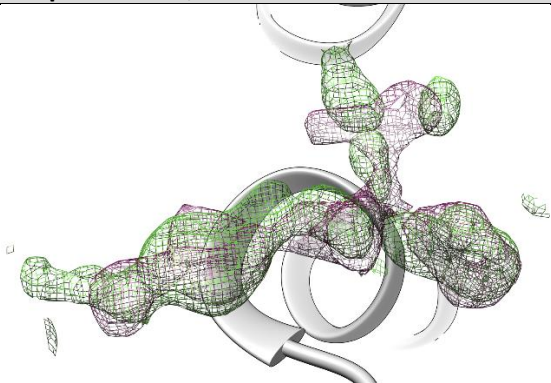
Hit#26: Tofogliflozin bound to SARS-CoV-2 MPro, PDB: 7APH	
Synonyms: Tofogliflozin, 903565-83-3, CSG 452, Tofogliflozin anhydrous, UNII-554245W62T	Lig-Plot interaction network
PubChem CID: 46908929	
CAS: 903565-83-3	
Molecular weight: 386.4 g/mol	
Binding type: non-covalent	
Binding location: allosteric site I	
Screen compound ID: SPE_K96344439	
Interaction: 	
Isomeric smiles: <chem>CCC1=CC=C(C=C1)CC2=CC3=C(CO[C@@]34[C@@H]([C@H]([C@@H]([C@H](O4)CO)O)O)O)C=C2</chem>	
Refinement 2Fo-Fc map, 0.7 σ -level	
PDB structure code: 7APH	PDB Ligand code: RT2
Resolution: 1.65 Å	R_{work}/R_{free}: 0.23/0.27
Occupancy: 0.5	Ligand RSCC/RSR: 0.52/0.38
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
Native MS adduct saturation: 9% (82/18/0)	Native MS adduct size: 380 Da

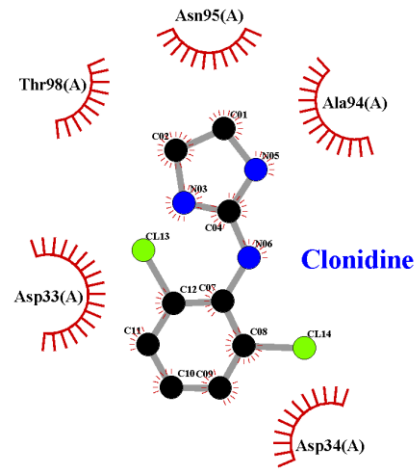
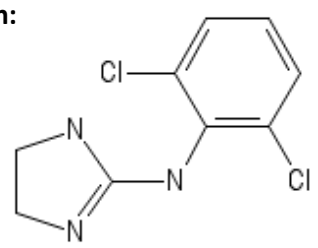
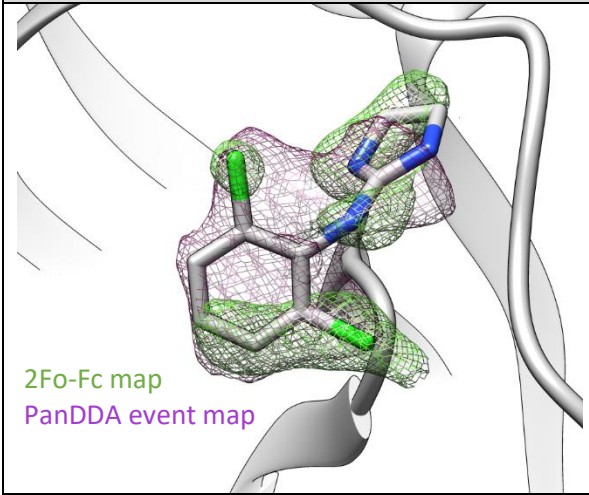
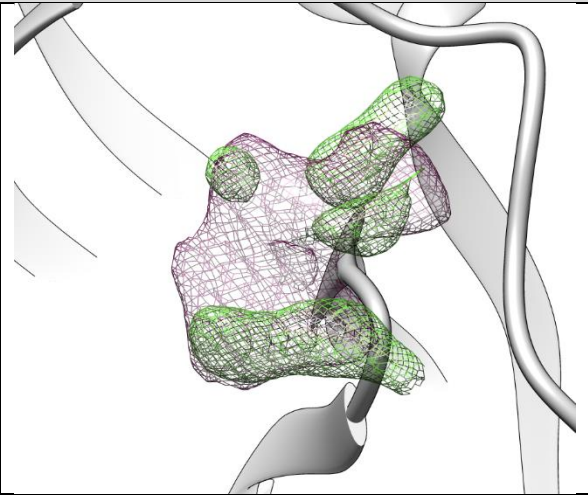
Hit#27: Adrafinil bound to SARS-CoV-2 MPro, PDB: 7ANS	
Synonyms: Adrafinil, Olmifon, CRL 40028	Lig-Plot interaction network 
PubChem CID: 3033226	
CAS: 63547-13-7	
Molecular weight: 289.4 g/mol	
Binding type: non-covalent	
Binding location: active site pocket	
Screen compound ID: DOM_SIM_074 & SPE_A90926615	
Interaction: 	
Isomeric smiles: <chem>C1=CC=C(C=C1)C(C2=CC=CC=C2)[S](=O)CC(=O)NO</chem>	
Refinement 2Fo-Fc map, 0.5 σ-level	
	
PDB structure code: 7ANS	PDB Ligand code: RNW
Resolution: 1.7 Å	R_{work}/R_{free}: 0.18/0.21
Occupancy: 0.65	Ligand RSCC/RSR: 0.63/0.28
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
Native MS adduct saturation: 28% (58/28/14)	Native MS adduct size: 289 Da

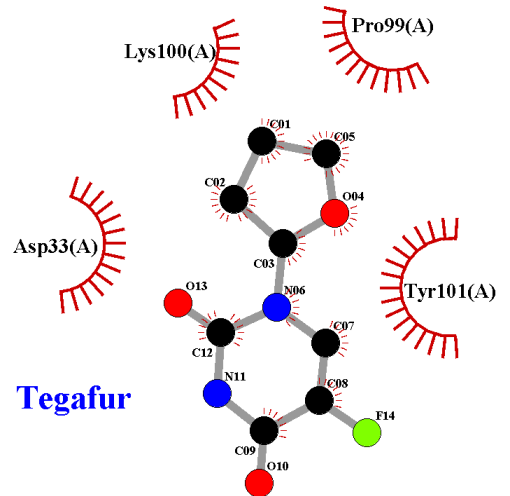
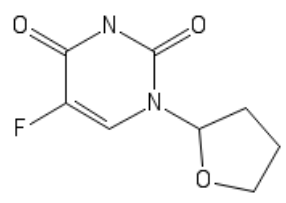
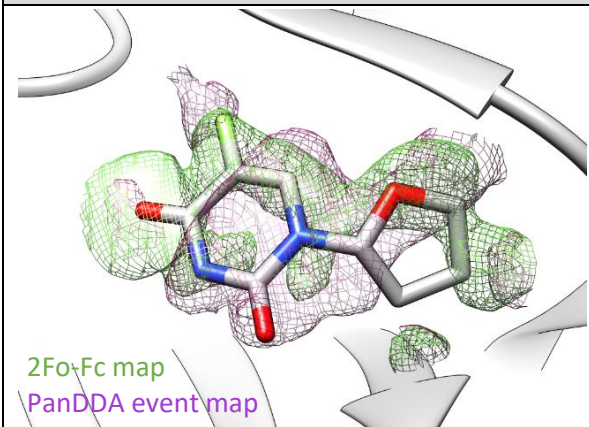
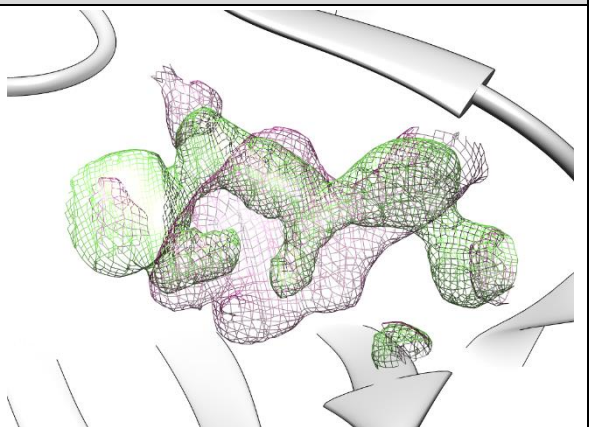
Hit#28: Tretazicar bound to SARS-CoV-2 MPro, PDB: 7AK4	
Synonyms: Tretazicar, CB 1954, 21919-05-1	Lig-Plot interaction network 
PubChem CID: 89105	
CAS: 21919-05-1	
Molecular weight: 252.18 g/mol	
Binding type: non-covalent	
Binding location: active site pocket	
Screen compound ID: DOM_SIM_234	
Interaction: 	
Isomeric smiles: C1CN1C2=C(C=C(C(=C2)C(=O)N)[N+](=O)[O-])[N+](=O)[O-]	
Refinement 2Fo-Fc map, 0.7 σ -level	
	
PDB structure code: 7AK4	PDB Ligand code: CB1
Resolution: 1.63 Å	R_{work}/R_{free}: 0.19/0.22
Occupancy: 0.71	Ligand RSCC/RSR: 0.62/0.20
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
Native MS adduct saturation: -	Native MS adduct size: N.a.

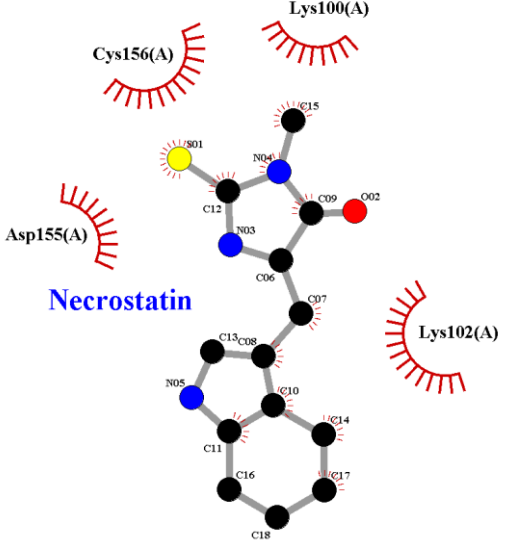
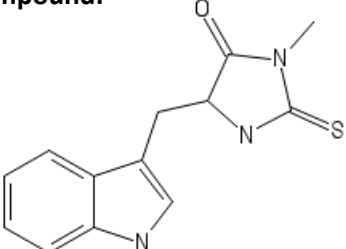
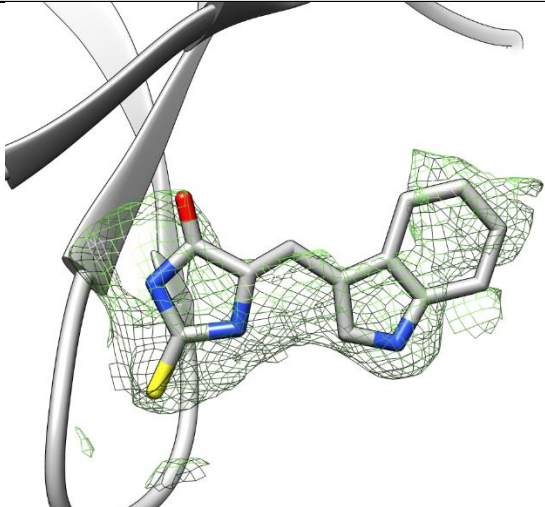
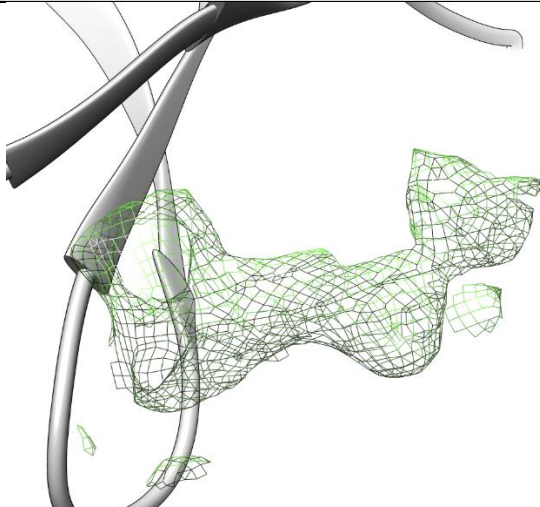
Hit#29: Climbazole bound to SARS-CoV-2 MPro, PDB: 7AOL	
Synonyms: Climbazole, 38083-17-9, Baypival, Baysan	Lig-Plot interaction network 
PubChem CID: 37907	
CAS: 38083-17-9	
Molecular weight: 292.76 g/mol	
Binding type: non-covalent	
Binding location: surface	
Screen compound ID: DOM_SIM_072	
Interaction: 	
Isomeric smiles: <chem>CC(C)(C)C(=O)C(N1C=CN=C1)OC2=CC=C(C=C2)Cl</chem>	
Refinement 2Fo-Fc map, 0.5 σ-level	
	
PDB structure code: 7AOL	PDB Ligand code: RQH
Resolution: 1.47 Å	R_{work}/R_{free}: 0.17/0.19
Occupancy: 0.65	Ligand RSCC/RSR: 0.86/0.26
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
Native MS adduct saturation: -	Native MS adduct size: N.a.

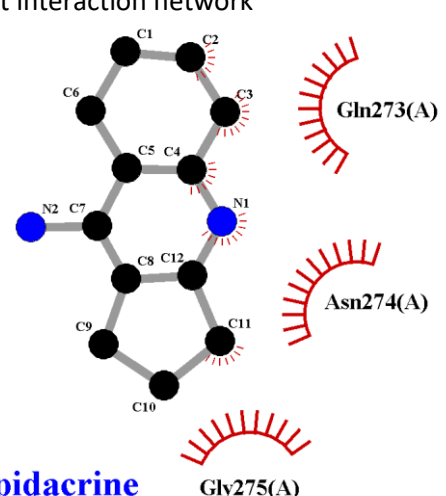
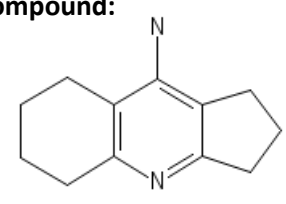
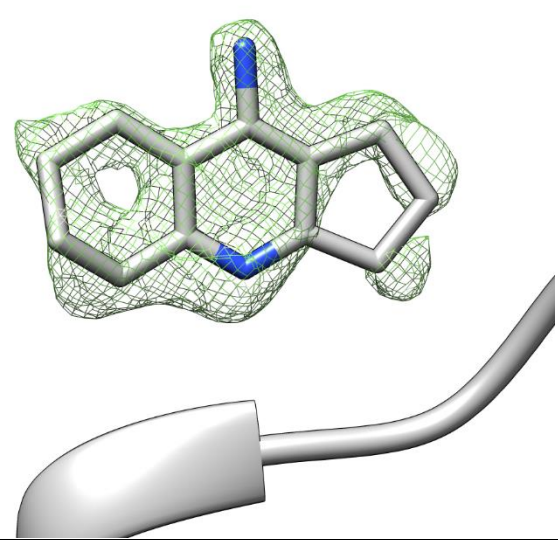
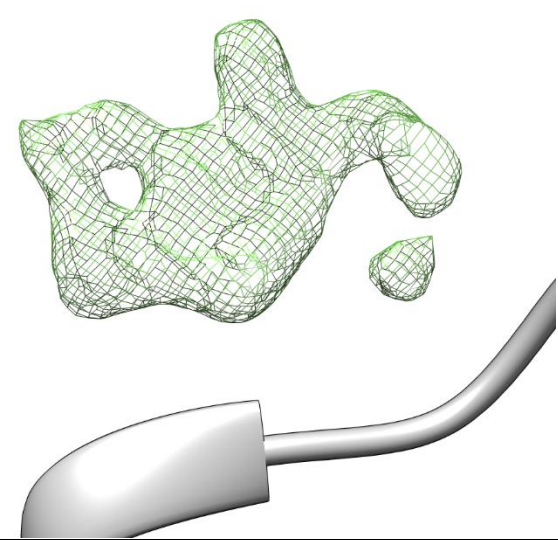
Hit#30: Dexrazoxane bound to SARS-CoV-2 MPro, not deposited	
Synonyms: Dexrazoxane, 24584-09-6, Zinecard, Cardioxane PubChem CID: 71384 CAS: 24584-09-6 Molecular weight: 268.27 g/mol Binding type: binding mode undefined Binding location: active site pocket Screen compound ID: DOM_SIM_486 Original compound: 	Lig-Plot interaction network 
Isomeric smiles: <chem>C[C@@H](CN1CC(=O)NC(=O)C1)N2CC(=O)NC(=O)C2</chem>	
PanDDA event map BDC 0.18 , 1.2 σ-level	
PanDDA event map, Preliminary model 	
PDB structure code: -	PDB Ligand code: -
Resolution: 1.7 Å	R_{work}/R_{free}: -
Occupancy: -	Ligand RSCC/RSR: -
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC₅₀/EC₅₀: N.a.
Native MS adduct saturation: 30% (56/29/15)	Native MS adduct size: 268 Da

Hit#31: AR-42 bound to SARS-CoV-2 MPro, PDB: 7AXO	
Synonyms: AR-42, OSU-HDAC42	Lig-Plot interaction network 
PubChem CID: 6918848	
CAS: 935881-37-1	
Molecular weight: 312.4 g/mol	
Binding type: non-covalent	
Binding location: surface	
Screen compound ID: DOM_SIM_538	
Interaction: 	
Isomeric smiles: <chem>CC(C)[C@@H](C1=CC=CC=C1)C(=O)NC2=CC=C(C=C2)C(=O)NO</chem>	
Refinement 2Fo-Fc map, 0.7 σ-level, PanDDA event map BDC 0.18, 1.2 σ-level	
2Fo-Fc map PanDDA event map 	
PDB structure code: 7AXO	PDB Ligand code: QCP
Resolution: 1.65 Å	R_{work}/R_{free}: 0.17/0.20
Occupancy: 0.79	Ligand RSCC/RSR: 0.67/0.22
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC₅₀/EC₅₀: N.a.
Native MS adduct saturation: 13% (78/18/4)	Native MS adduct size: 580 Da

Hit#32: Clonidine bound to SARS-CoV-2 MPro, PDB: 7AWW	
Synonyms: Clonidine	Lig-Plot interaction network 
PubChem CID: 5358572	
CAS: 21739-91-3	
Molecular weight: 285.09 g/mol	
Binding type: non-covalent	
Binding location: active site	
Screen compound ID: SPE_K98530306	
Interaction: 	
Isomeric smiles: C1CN=C(N1)NC2=C(C=CC=C2Cl)Cl	
Refinement 2Fo-Fc map, 0.7 σ-level, PanDDA event map BDC 0.18 , 1.6 σ-level	
 2Fo-Fc map PanDDA event map	
PDB structure code: 7AWW	PDB Ligand code: CLU
Resolution: 1.65 Å	R_{work}/R_{free}: 0.20/0.24
Occupancy: 0.80	Ligand RSCC/RSR: 0.40/0.39
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
Native MS adduct saturation: -	Native MS adduct size: N.a.

Hit#33: Tegafur bound to SARS-CoV-2 MPro, PDB: 7AWR	
Synonyms: Tegafur, Ftorafur, 17902-23-7, Futraful, Fluorofur	Lig-Plot interaction network 
PubChem CID: 5386	
CAS: 6990-06-3	
Molecular weight: 200.17 g/mol	
Binding type: non-covalent	
Binding location: surface	
Screen compound ID: SPE_A06935312	
Original compound:	
	
Isomeric smiles: C1CC(OC1)N2C=C(C(=O)NC2=O)F	
Refinement 2Fo-Fc map, 0.6 σ-level, PanDDA event map BDC 0.18 , 1.7 σ-level	
 <p>2Fo-Fc map PanDDA event map</p>	
PDB structure code: 7AWR	PDB Ligand code: S7W
Resolution: 1.65 Å	R_{work}/R_{free}: 0.18/0.22
Occupanc	Ligand RSCC/RSR: 0.50/0.27
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
Native MS adduct saturation: -	Native MS adduct size: N.a.

Hit#34: Necrostatin-1 bound to SARS-CoV-2 MPro, not deposited	
Synonyms: Necrostatin-1, MTH-DL-Tryptophan, Nec-1	Lig-Plot interaction network 
PubChem CID: 2828334	
CAS: 4311-88-0	
Molecular weight: 259.33 g/mol	
Binding type: non-covalent	
Binding location: surface	
Screen compound ID: SPE_A06935312	
Original compound: 	
Isomeric smiles: CN1C(=O)C(NC1=S)CC2=CNC3=CC=CC=C32	
Refinement 2Fo-Fc map, 0.7 σ-level	
	
PDB structure code: -	PDB Ligand code: -
Resolution: 1.7 Å	R_{work}/R_{free}: -
Occupancy: -	Ligand RSCC/RSR: -
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
Native MS adduct saturation: -	Native MS adduct size: N.a.

Hit#35: Ipidacrine bound to SARS-CoV-2 MPro, PDB: 7AF0	
Synonyms: Ipidacrine, Amiridine, 2,3,5,6,7,8-Hexahydro-1H-cyclopenta[b]quinolin-9-ylamine	Lig-Plot interaction network 
PubChem CID: 604519	
CAS: 62732-44-9	
Molecular weight: 188.27 g/mol	
Binding type: non-covalent	
Binding location: surface	
Screen compound ID: SPE_K66896231	
Original compound:	
	
Isomeric smiles: C1CCC2=C(C1)C(=C3CCCC3=N2)N	
Refinement 2Fo-Fc map, 0.8 σ-level	
	
PDB structure code: 7AF0	PDB Ligand code: R9W
Resolution: 1.7 Å	R_{work}/R_{free}: 0.18/0.23
Occupancy: 0.61	Ligand RSCC/RSR: 0.74/0.22
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
Native MS adduct saturation: -	Native MS adduct size: N.a.

Hit#36: AZD6482 bound to SARS-CoV-2 MPro, PDB: 6YVF	
Synonyms: AZD6482, 1173900-33-8	Lig-Plot interaction network
PubChem CID: 44137675	
CAS: 1173900-33-8	
Molecular weight: 408.4 g/mol	
Binding type: non-covalent	
Binding location: surface	
Screen compound ID: SPE_K58772419	
Interaction:	
Isomeric smiles: <chem>CC1=CN2C(=O)C=C(N=C2C(=C1)[C@@H](C)NC3=CC=CC=C3C(=O)O)N4CCOCC4</chem>	
Refinement 2Fo-Fc map, 1.0 σ -level	
PDB structure code: 6YVF	PDB Ligand code: A82
Resolution: 1.63 Å	R_{work}/R_{free}: 0.19/0.21
Occupancy: 0.71	Ligand RSCC/RSR: 0.81/0.13
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC₅₀/EC₅₀: N.a.
Native MS adduct saturation: 24% (62/29/9)	Native MS adduct size: 408 Da

Hit#37: Polydatin bound to SARS-CoV-2 MPro, not deposited	
Synonyms: Polydatin, Piceid, Trans-Piceid	Lig-Plot interaction network
PubChem CID: 5281718	
CAS: 27208-80-6	
Molecular weight: 390.4 g/mol	
Binding type: Non-covalent	
Binding location: surface	
Screen compound ID: DOM_SIM_161	
Original compound: 	
Isomeric smiles: <chem>C1=CC(=CC=C1/C=C/C2=CC(=CC(=C2)O[C@H]3[C@@H]([C@H]([C@@H]([C@H](O3)CO)O)O)O)O)O</chem>	
PanDDA event map BDC 0.25 , 1.5 σ-level	
PDB structure code: -	PDB Ligand code: -
Resolution: 1.7 Å	R_{work}/R_{free}: -
Occupancy: -	Ligand RSCC/RSR: -
Biochemistry & Cell biology	
Anti viral activity EC₅₀: N.a.	vRNA yield EC₅₀: N.a.
Anti viral activity EC₉₀: N.a.	vRNA yield EC₉₀: N.a.
Cytotoxicity CC₅₀: N.a.	SI CC50/EC50: N.a.
Native MS adduct saturation: 5% (91/9/0)	Native MS adduct size: 390 Da