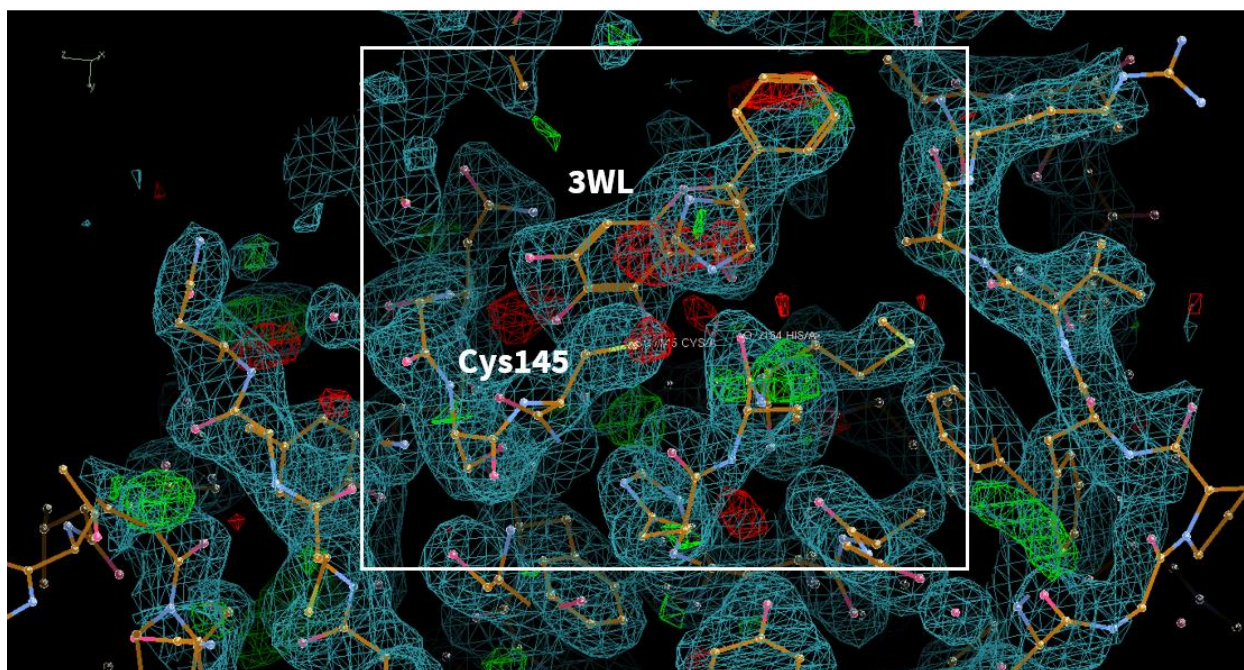


**Supplementary Figure 5.2** (non-covalent inhibitor)

**PDB ID:** 6W63 **Ligand:** X77 **Resolution:** 1.46 Å, **Author(s):** Mesecar et. al.

**doi:** [10.2210/pdb6W63/pdb](https://doi.org/10.2210/pdb6W63/pdb) **Deposited:** 2020 March 16 **Released:** 2020 March 25

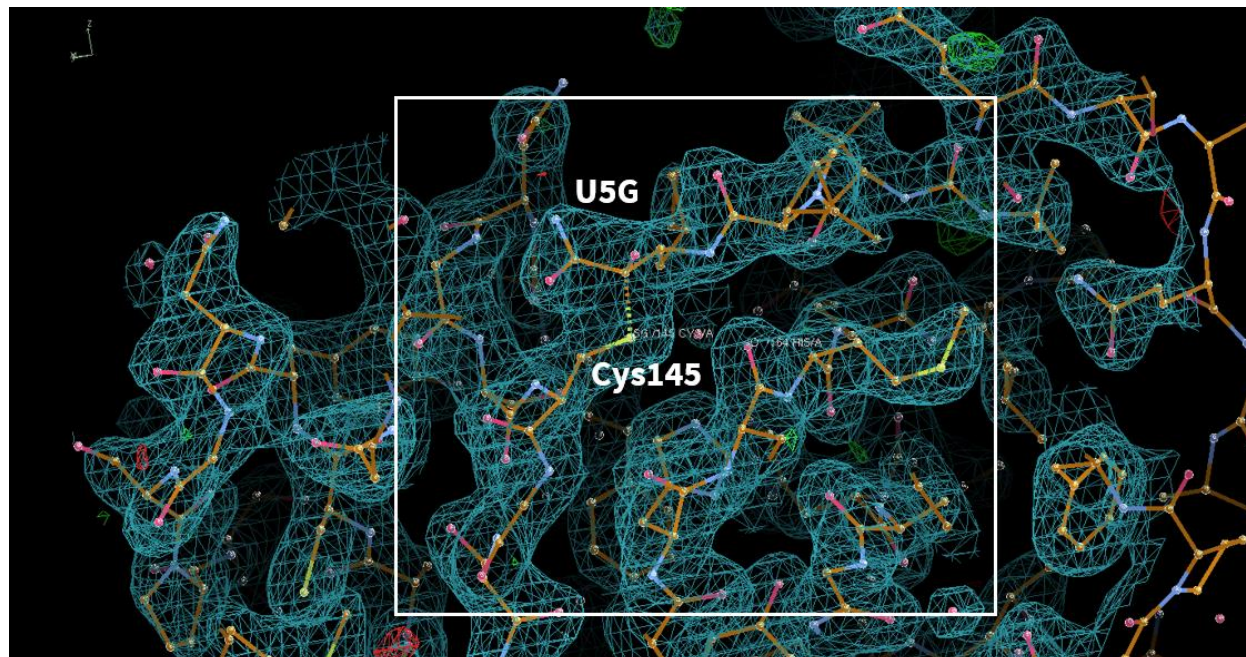




**Supplementary Figure 5.3** (non-covalent inhibitor)

**PDB ID:** 6M2N **Ligand:** 3WL **Resolution:** 2.20 Å **Author(s):** Su et al.

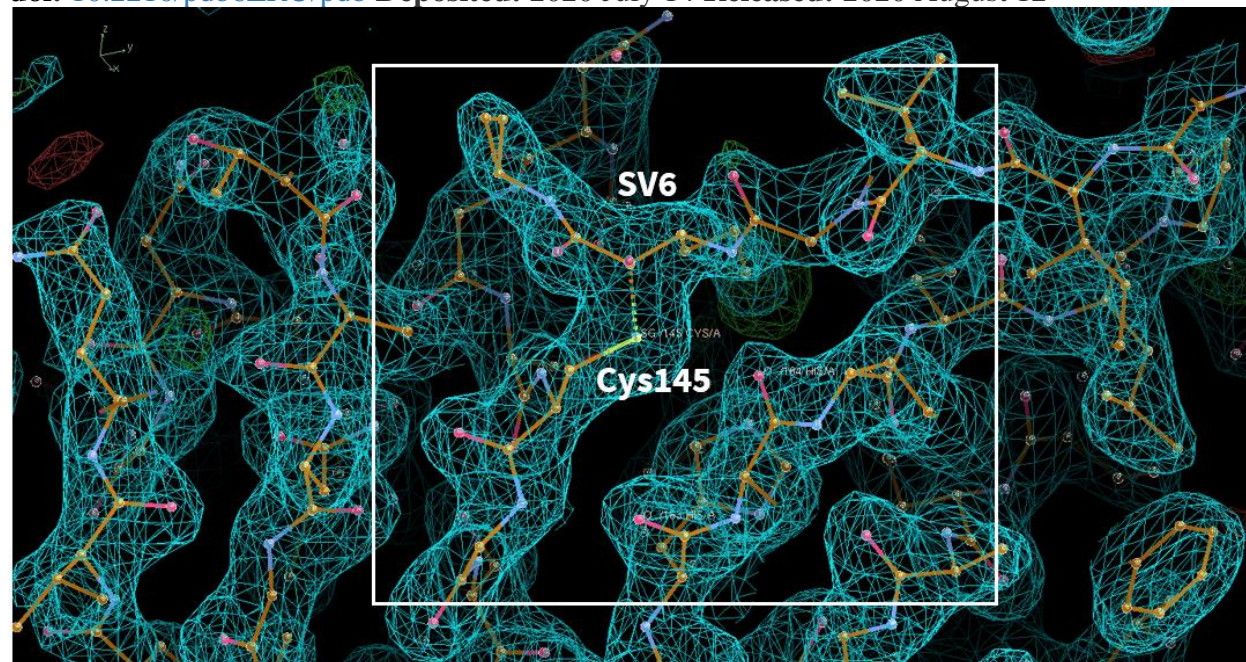
**doi:** [10.2210/pdb6M2N/pdb](https://doi.org/10.2210/pdb6M2N/pdb) **Deposited:** 2020 February 28 **Released:** 2020 April 15



**Supplementary Figure 5.4** (covalent inhibitor)

**PDB ID:** 6ZRU **Ligand:** Boceprevir(U5G), **Resolution** 2.10 Å **Author(s):** Oerlemans et al.

**doi:** [10.2210/pdb6ZRU/pdb](https://doi.org/10.2210/pdb6ZRU/pdb) **Deposited:** 2020 July 14 **Released:** 2020 August 12

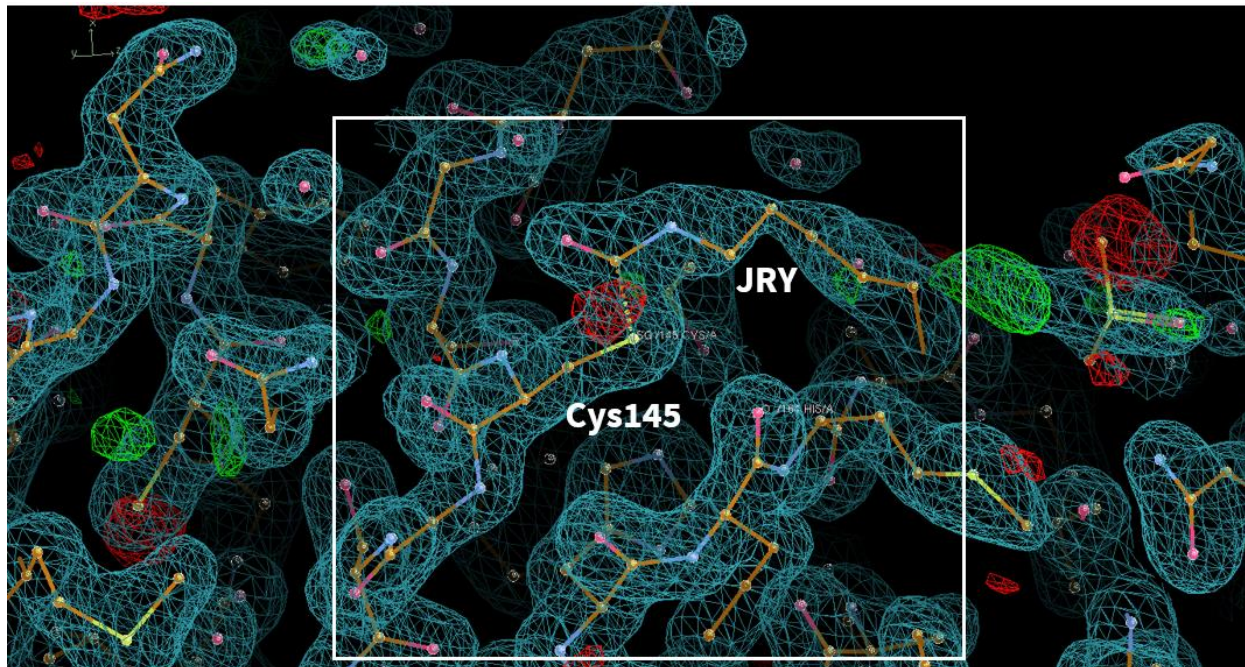


**Supplementary Figure 5.5** (covalent inhibitor)

**PDB ID:** 6ZRT **Ligand:** Telaprevir(SV6) **Resolution:** 2.10 Å **doi:** [10.2210/pdb6ZRT/pdb](https://doi.org/10.2210/pdb6ZRT/pdb)

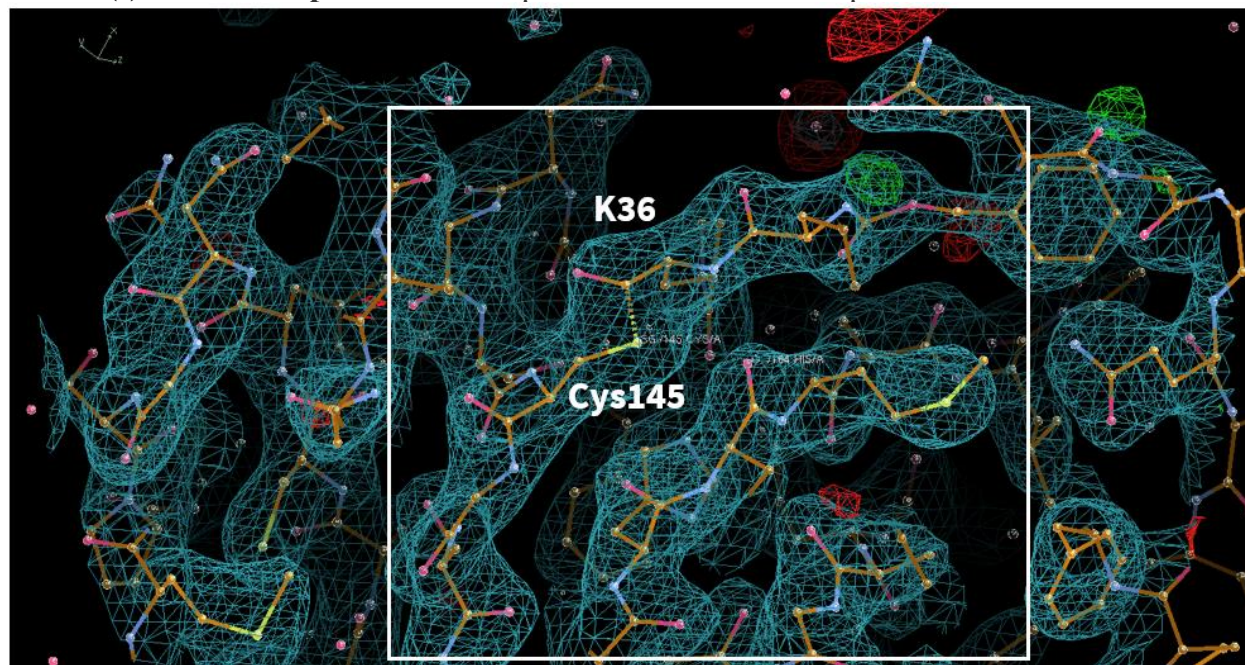
**Author(s):** Oerlemans et al. **Deposited:** 2020 July 14 **Released:** 2020 August 12





**Supplementary Figure 5.6** (covalent inhibitor)

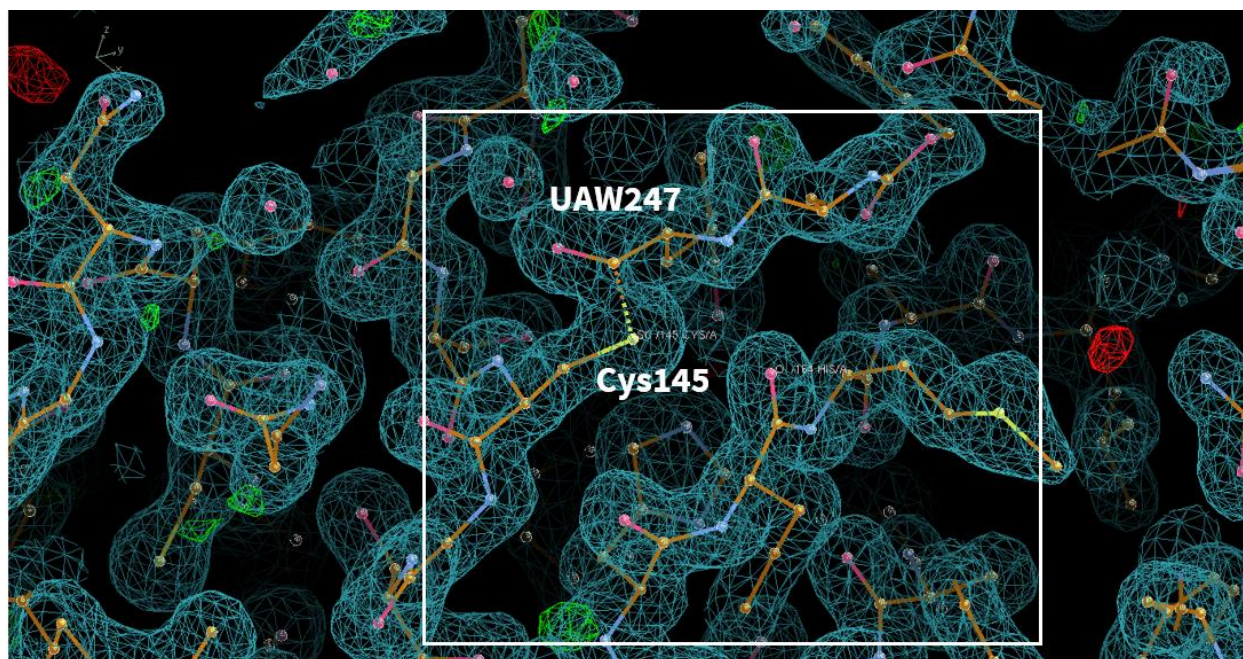
**PDB ID:** 7BUY **Ligand:** Carmofur(JRY) **Resolution:** 1.60 Å **doi:** [10.2210/pdb7BUY/pdb](https://doi.org/10.2210/pdb7BUY/pdb)  
**Author(s):** Jin et al. **Deposited:** 2020 April 08 **Released:** 2020 April 29



**Supplementary Figure 5.7** (covalent inhibitor)

**PDB ID:** 6WTT **Ligand:** GC-376(K36) **Resolution:** 2.15 Å **doi:** [10.1101/2020.04.20.051581](https://doi.org/10.1101/2020.04.20.051581)  
**Author(s):** Ma et al. **Deposited:** 2020 May 03 **Released:** 2020 May 20

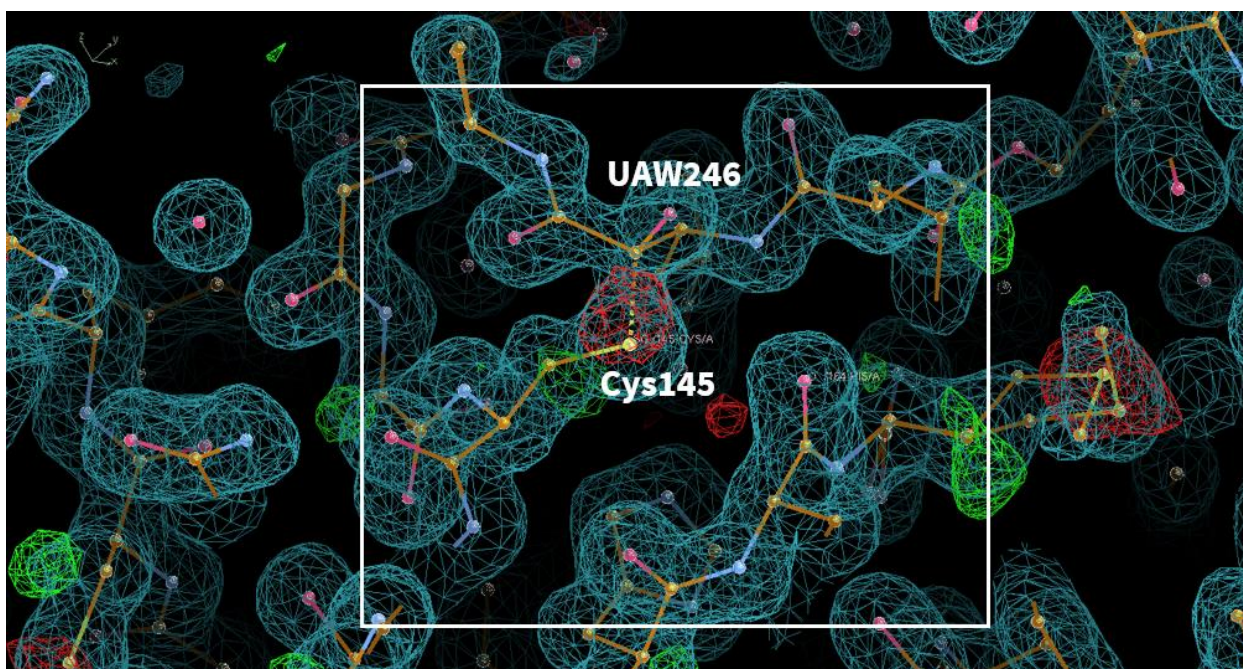




**Supplementary Figure 5.8** (covalent inhibitor)

**PDB ID:** 6XBH **Ligand:** UAW247 **Resolution:** 1.60 Å **doi:** [10.2210/pdb6XBH/pdb](https://doi.org/10.2210/pdb6XBH/pdb)

**Author(s):** Ma et al. **Deposited:** 2020 June 06 **Released:** 2020 June 17

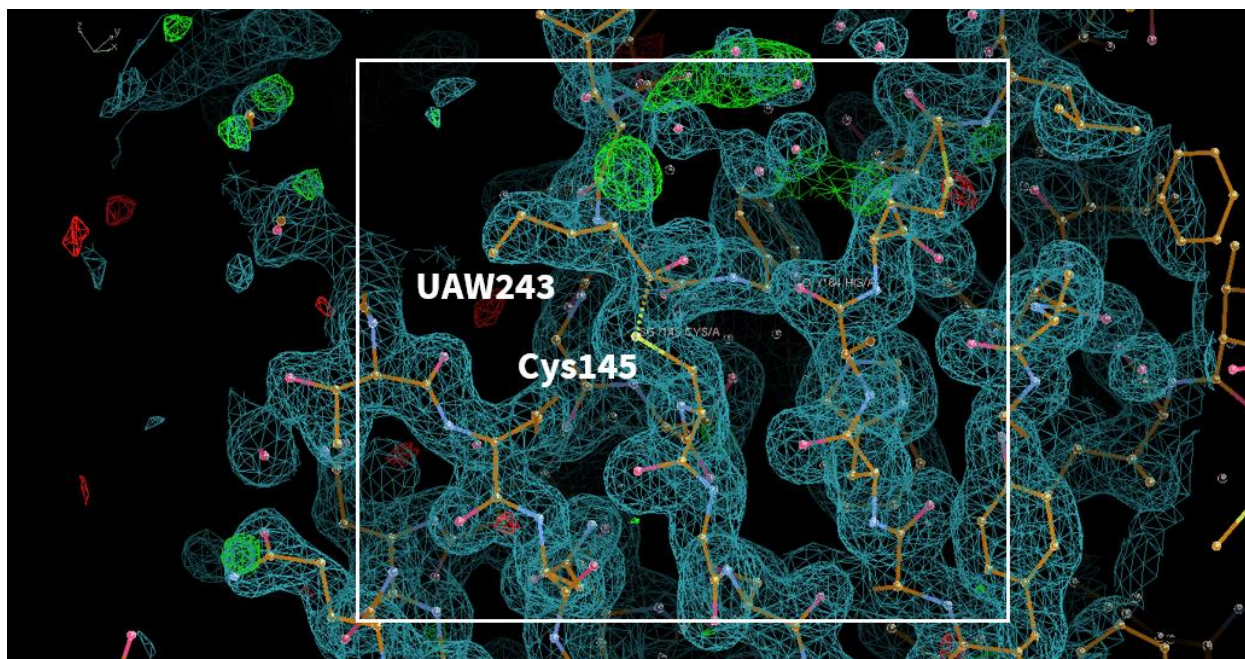


**Supplementary Figure 5.9** (covalent inhibitor)

**PDB ID:** 6XBG **Ligand:** UAW246 **Resolution:** 1.60 Å **doi:** [10.2210/pdb6XBG/pdb](https://doi.org/10.2210/pdb6XBG/pdb)

**Author(s):** Ma et al. **Deposited:** 2020 June 06 **Released:** 2020 June 17

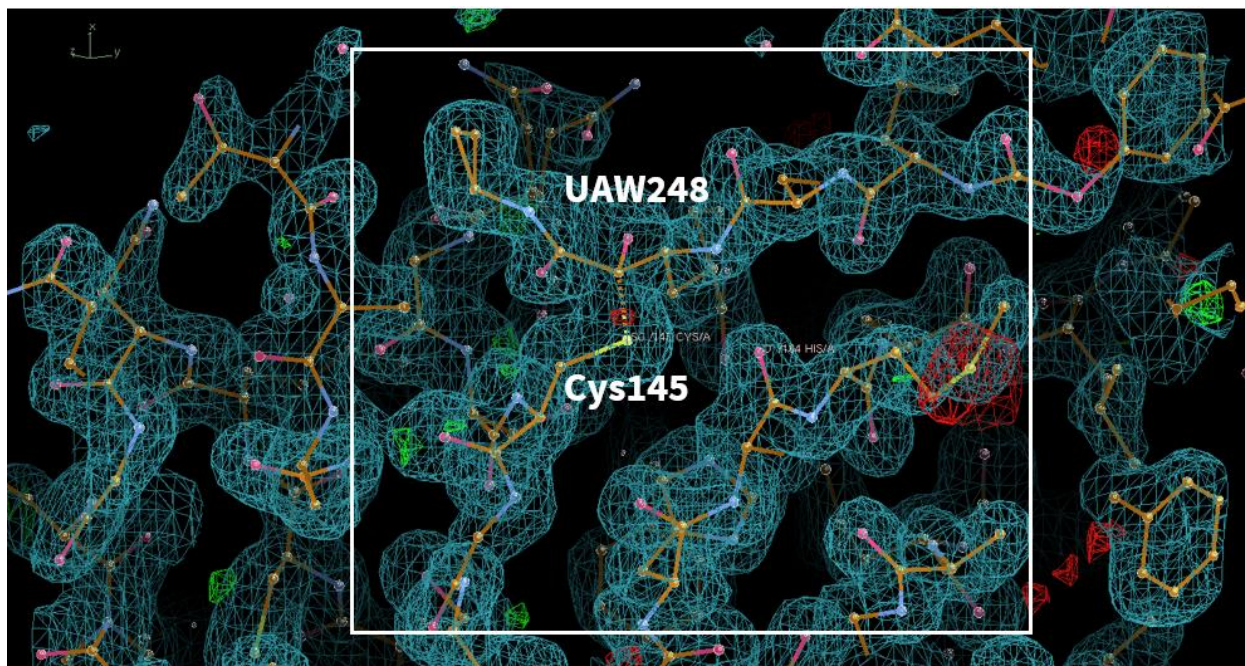




**Supplementary Figure 5.10** (covalent inhibitor)

**PDB ID:** 6XFN **Ligand:** UAW243 **Resolution:** 1.70 Å **doi:** [10.2210/pdb6XFN/pdb](https://doi.org/10.2210/pdb6XFN/pdb)

**Author(s):** Sacco et al. **Deposited:** 2020 June 15 **Released:** 2020 June 24

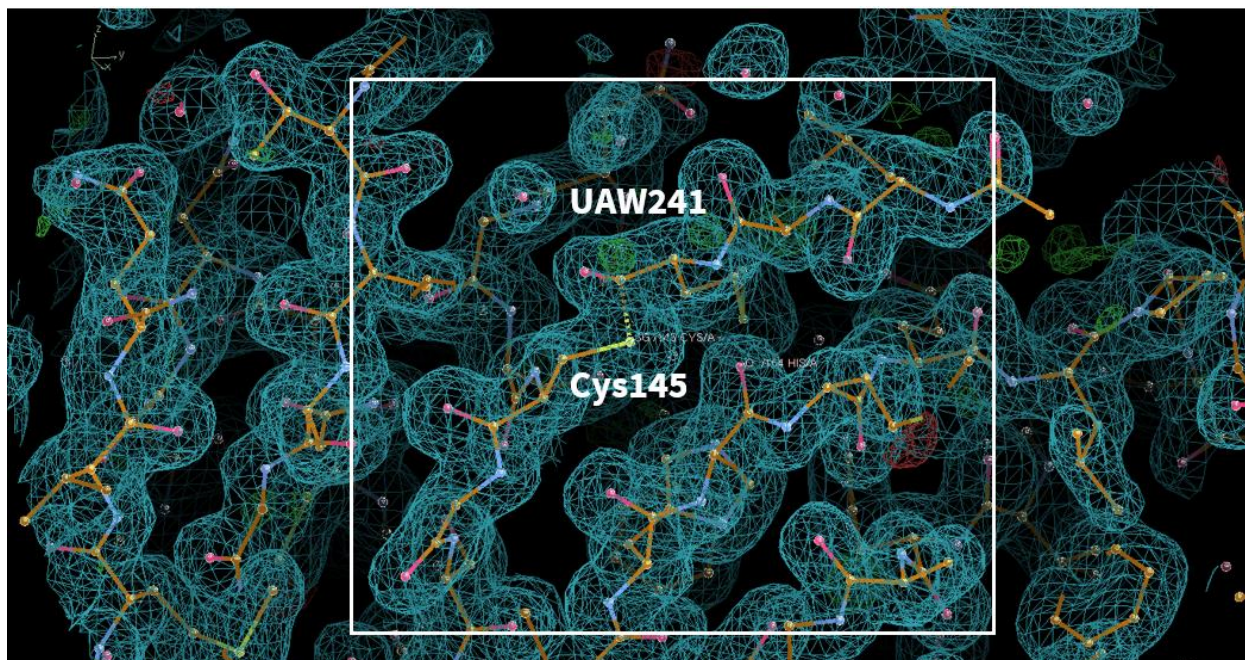


**Supplementary Figure 5.11** (covalent inhibitor)

**PDB ID:** 6XBI **Ligand:** UAW248 **Resolution:** 1.70 Å **doi:** [10.2210/pdb6XBI/pdb](https://doi.org/10.2210/pdb6XBI/pdb)

**Author(s):** Ma et al. **Deposited:** 2020 June 06 **Released:** 2020 June 17

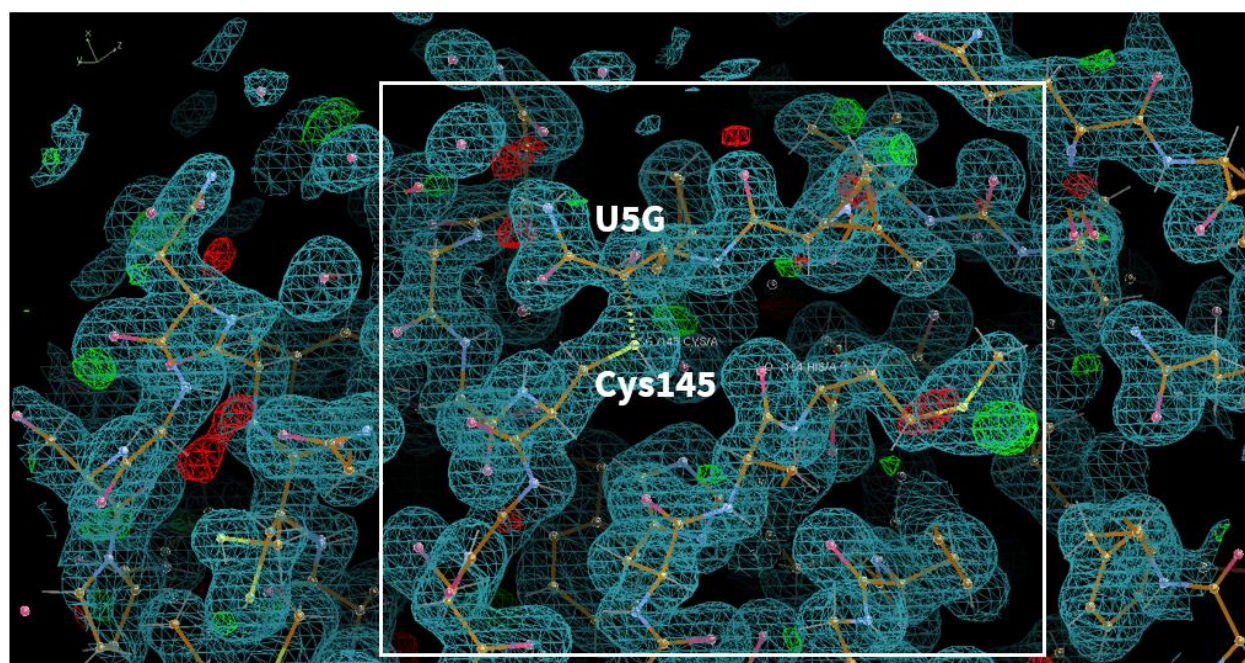




**Supplementary Figure 5.12** (covalent inhibitor)

**PDB ID:** 6XA4 **Ligand:** UAW241 **Resolution:** 1.65 Å **doi:** 10.2210/pdb6XA4/pdb

**Author(s):** Sacco et al. **Deposited:** 2020 June 03 **Released:** 2020 June 17

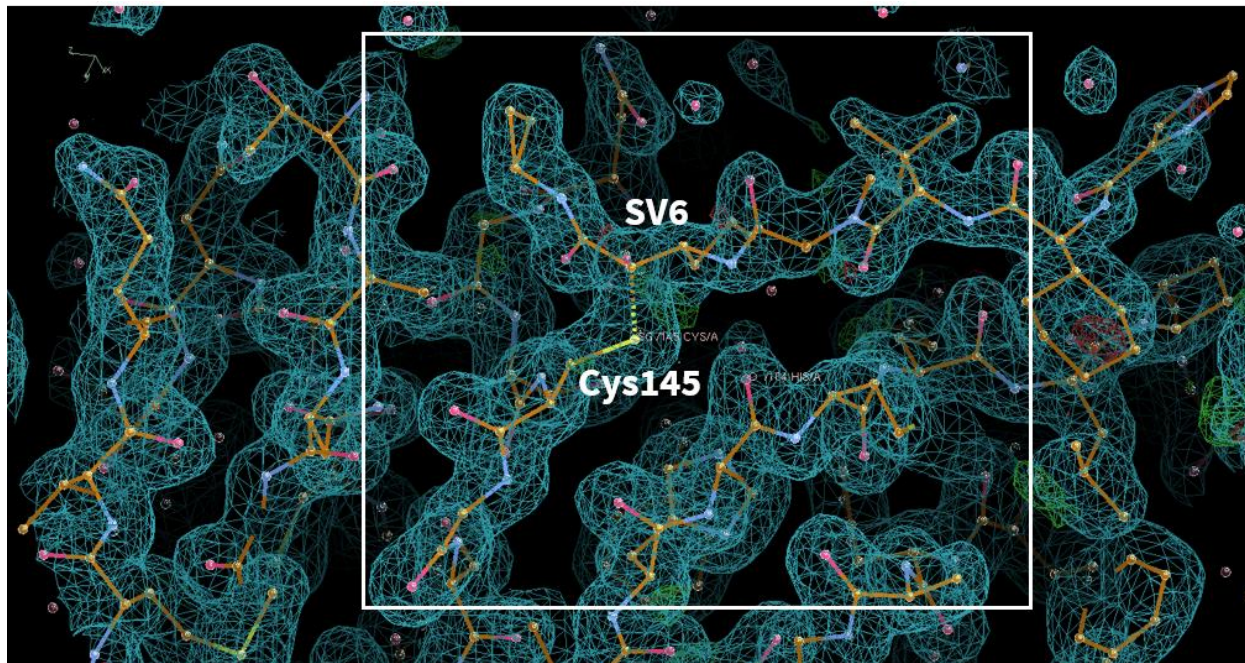


**Supplementary Figure 5.13** (covalent inhibitor)

**PDB ID:** 6WNP **Ligand:** Boceprevir(U5G) **Resolution:** 1.44 Å **doi:** 10.2210/pdb6WNP/pdb

**Author(s):** Anson et al. **Deposited:** 2020 April 23 **Released:** 2020 May 06

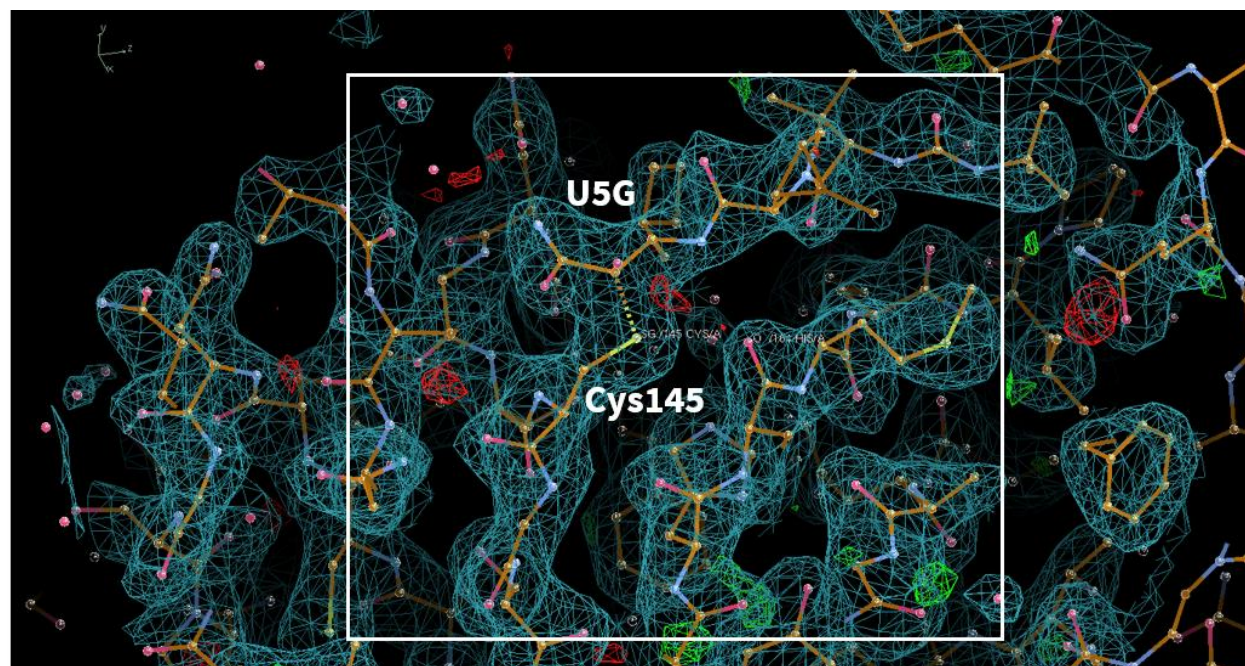




**Supplementary Figure 5.14** (covalent inhibitor)

**PDB ID:**7C7P **Ligand:** Telaprevir(SV6) **Resolution:** 1.74 Å **doi:** [10.2210/pdb7C7P/pdb](https://doi.org/10.2210/pdb7C7P/pdb)

**Author(s):** Qiao et al. **Deposited:** 2020 May 26 **Released:** 2020 July 29

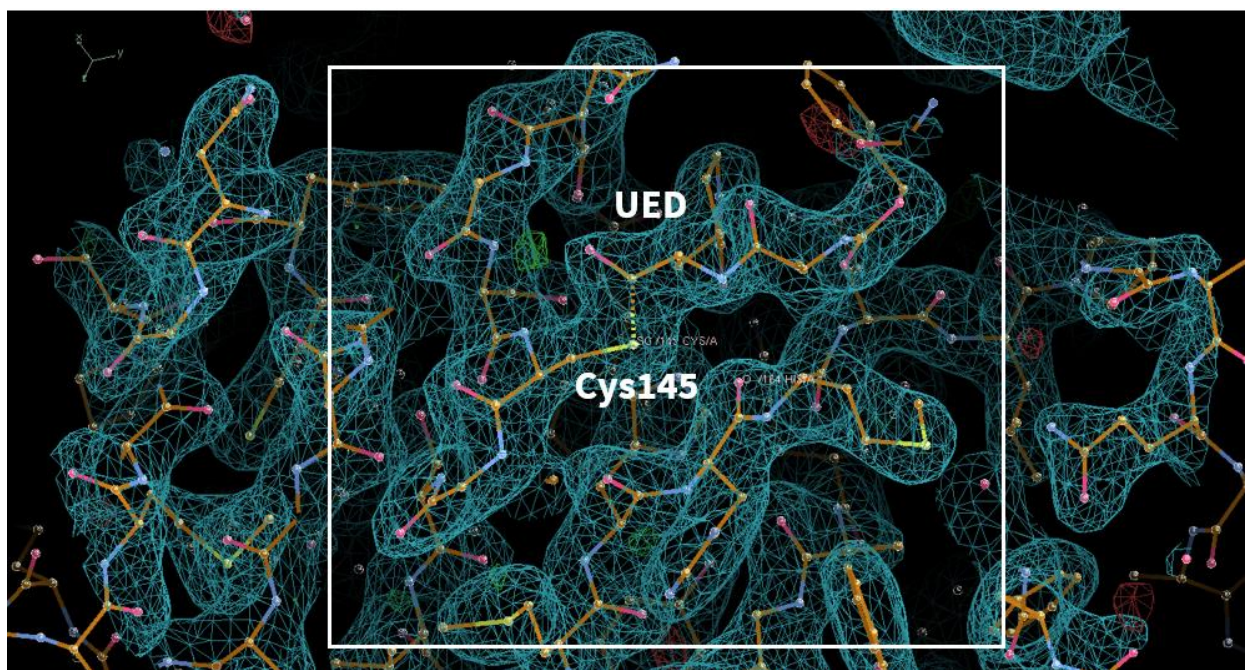


**Supplementary Figure 5.15** (covalent inhibitor)

**PDB ID:**7COM **Ligand:** Boceprevir(U5G) **Resolution:** 2.25 Å **doi:** [10.2210/pdb7COM/pdb](https://doi.org/10.2210/pdb7COM/pdb)

**Author(s):** Qiao et al. **Deposited:** 2020 August 04 **Released:** 2020 August 19

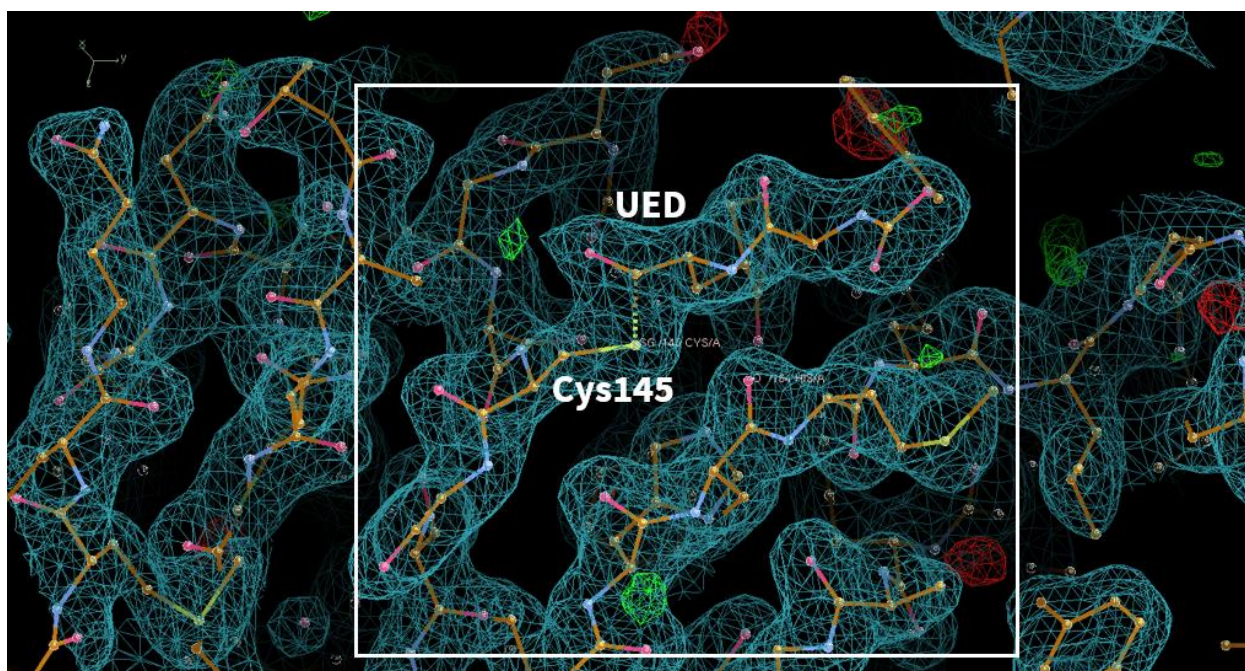




**Supplementary Figure 5.16** (covalent inhibitor)

**PDB ID:** 6WTK **Ligand:** Feline(UED) **Resolution:** 2.00 Å **doi:** [10.2210/pdb6WTK/pdb](https://doi.org/10.2210/pdb6WTK/pdb)

**Author(s):** Khan et al. **Deposited:** 2020-May-02 **Released:** 2020-May-20

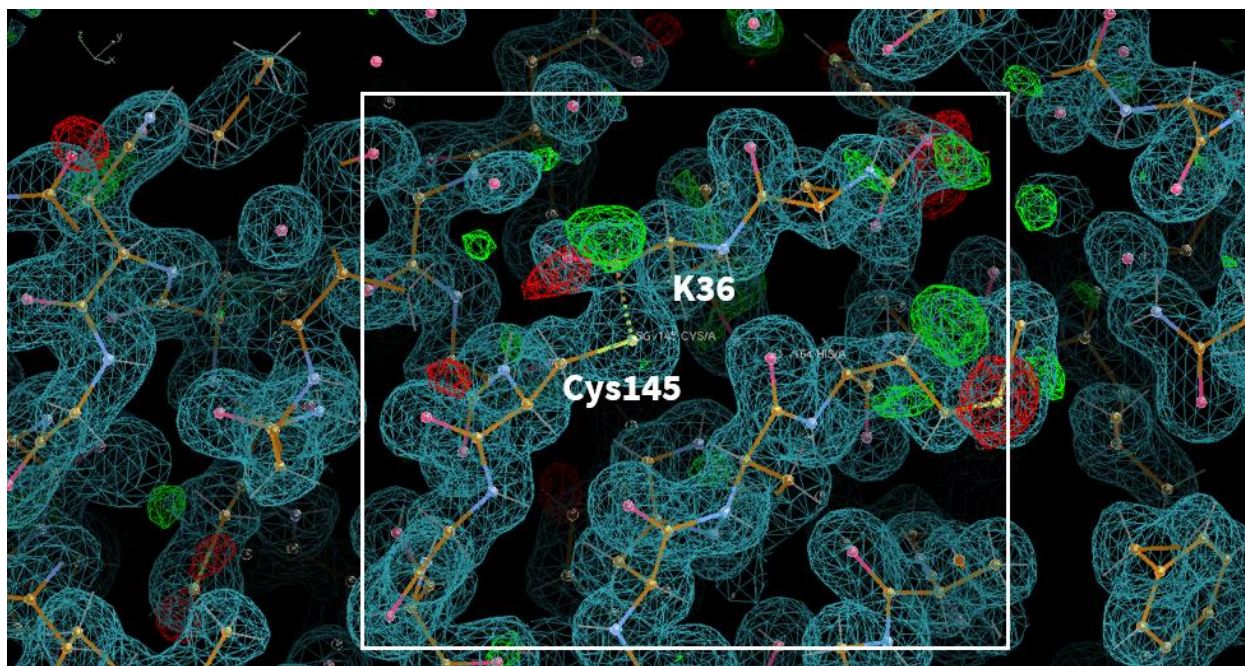


**Supplementary Figure 5.17** (covalent inhibitor)

**PDB ID:** 6WTJ **Ligand:** Feline(UED) **Resolution:** 1.90 Å **doi:** [10.2210/pdb6WTJ/pdb](https://doi.org/10.2210/pdb6WTJ/pdb)

**Author(s):** Khan et al. **Deposited:** 2020 May 02 **Released:** 2020 May 20

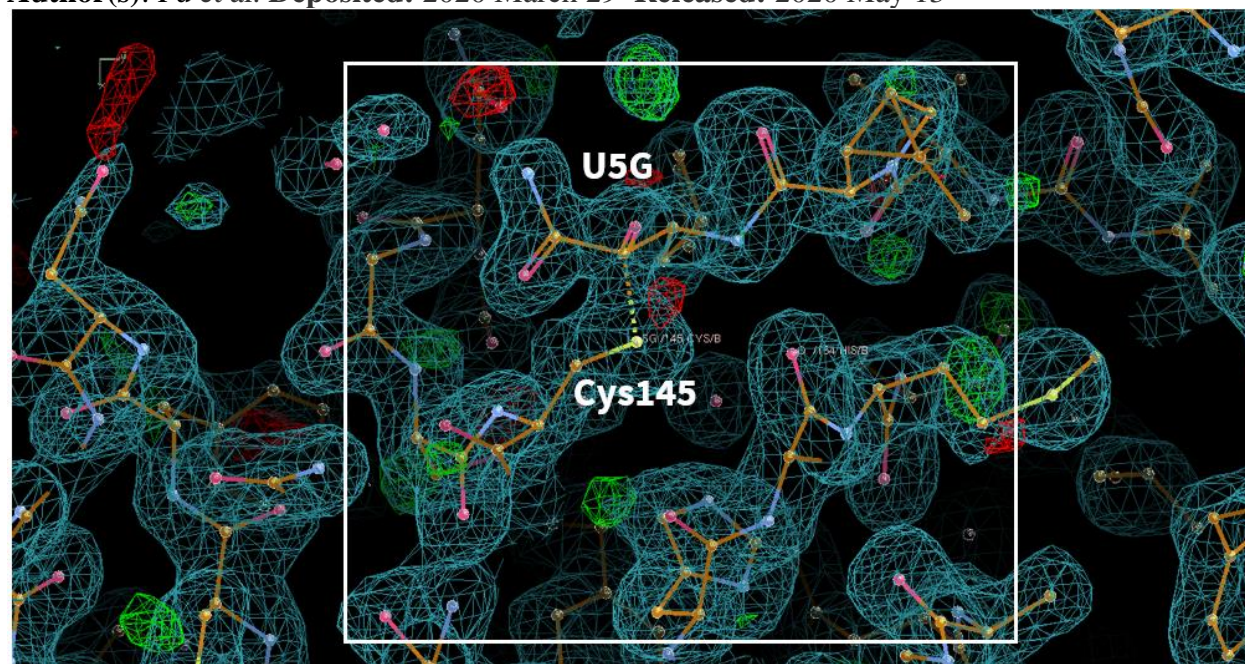




**Supplementary Figure 5.18** (covalent inhibitor)

**PDB ID:** 7BRR **Ligand:** GC-376(K36) **Resolution:** 1.40 Å **doi:** [10.2210/pdb7BRR/pdb](https://doi.org/10.2210/pdb7BRR/pdb)

**Author(s):** Fu et al. **Deposited:** 2020 March 29 **Released:** 2020 May 13

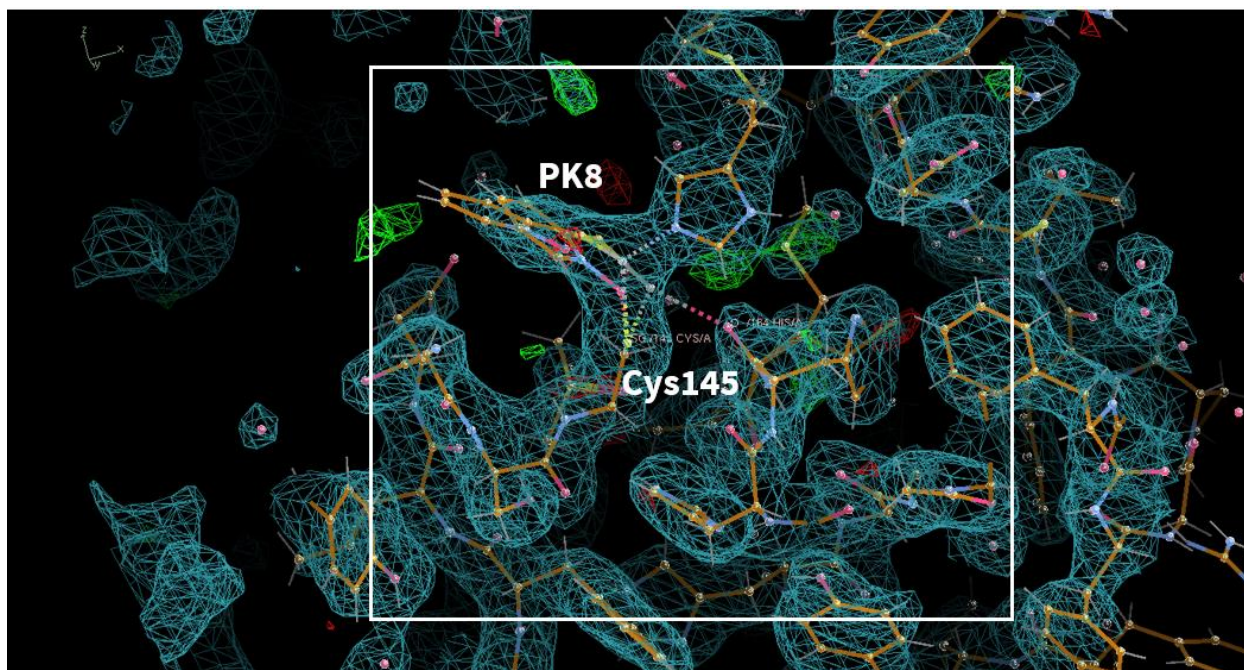


**Supplementary Figure 5.19** (covalent inhibitor)

**PDB ID:** 7BRP **Ligand:** Boceprevir(U5G) **Resolution:** 1.95 Å **doi:** [10.2210/pdb7BPR/pdb](https://doi.org/10.2210/pdb7BPR/pdb)

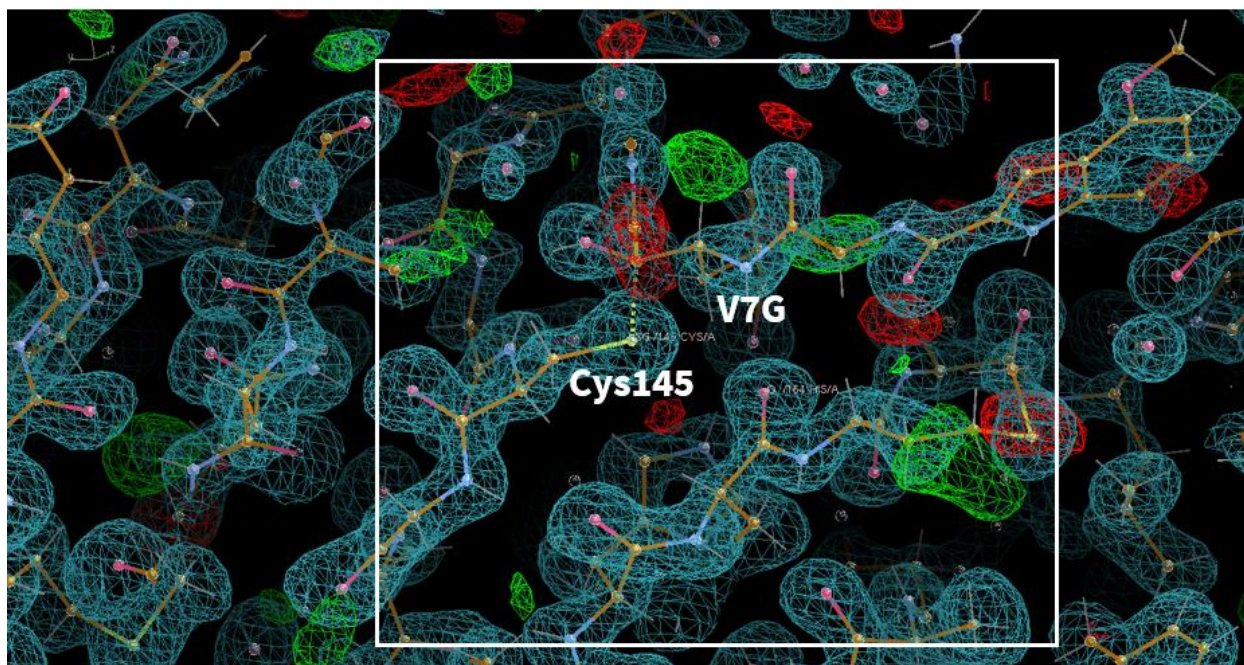
**Author(s):** Masutani et al. **Deposited:** 2020 March 23 **Released:** 2020 July 15





**Supplementary Figure 5.20** (covalent inhibitor)

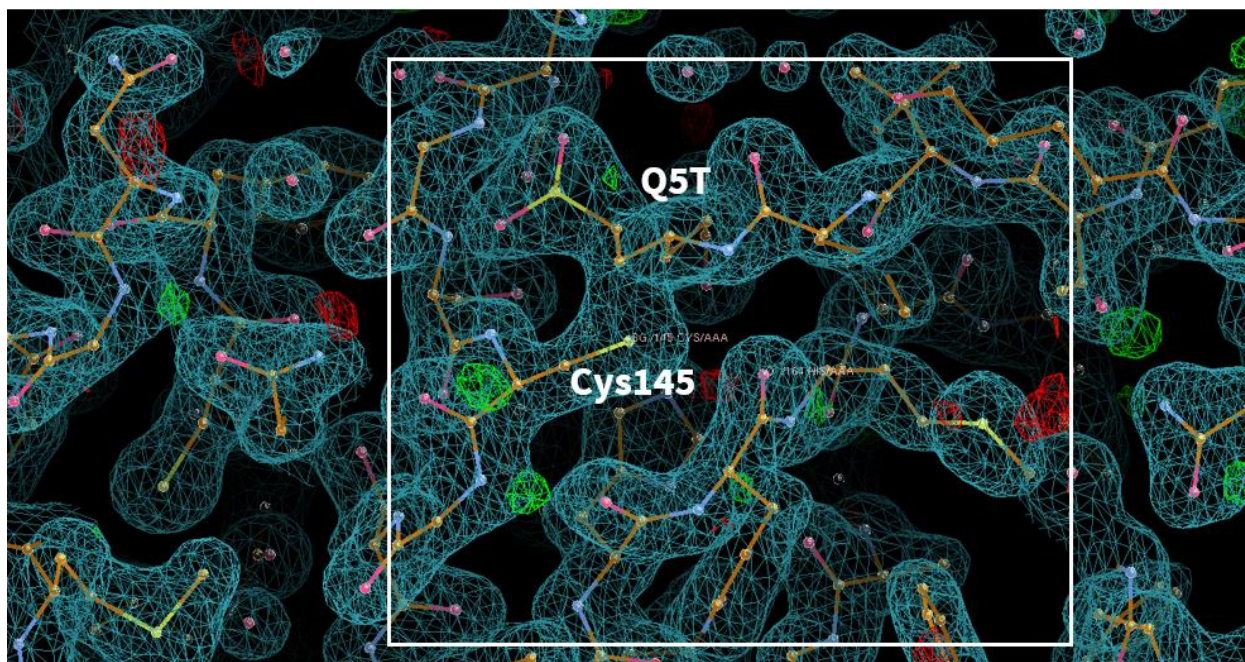
**PDB ID:** 6YT8 **Ligand:** pyriothione zinc(PK8) **Resolution:** 2.50 Å **doi:** [10.2210/pdb6YT8/pdb](https://doi.org/10.2210/pdb6YT8/pdb)  
**Author(s):** Guenther et al. **Deposited:** 2020 April 24 **Released:** 2020 May 06



**Supplementary Figure 5.21** (covalent inhibitor)

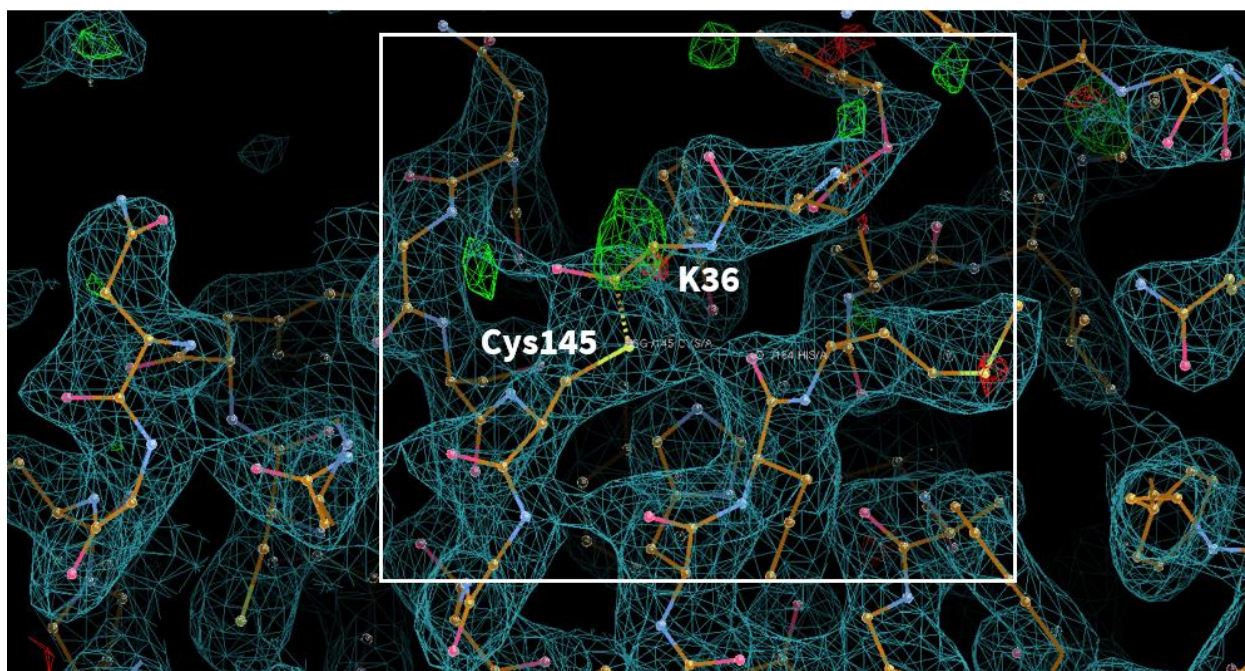
**PDB ID:** 6XR3 **Ligand:** GRL-024-20(V7G) **Resolution:** 1.45 Å **doi:** [10.2210/pdb6XR3/pdb](https://doi.org/10.2210/pdb6XR3/pdb)  
**Author(s):** Anson et al. **Deposited:** 2020 July 10 **Released:** 2020 August 19





**Supplementary Figure 5.22** (covalent inhibitor)

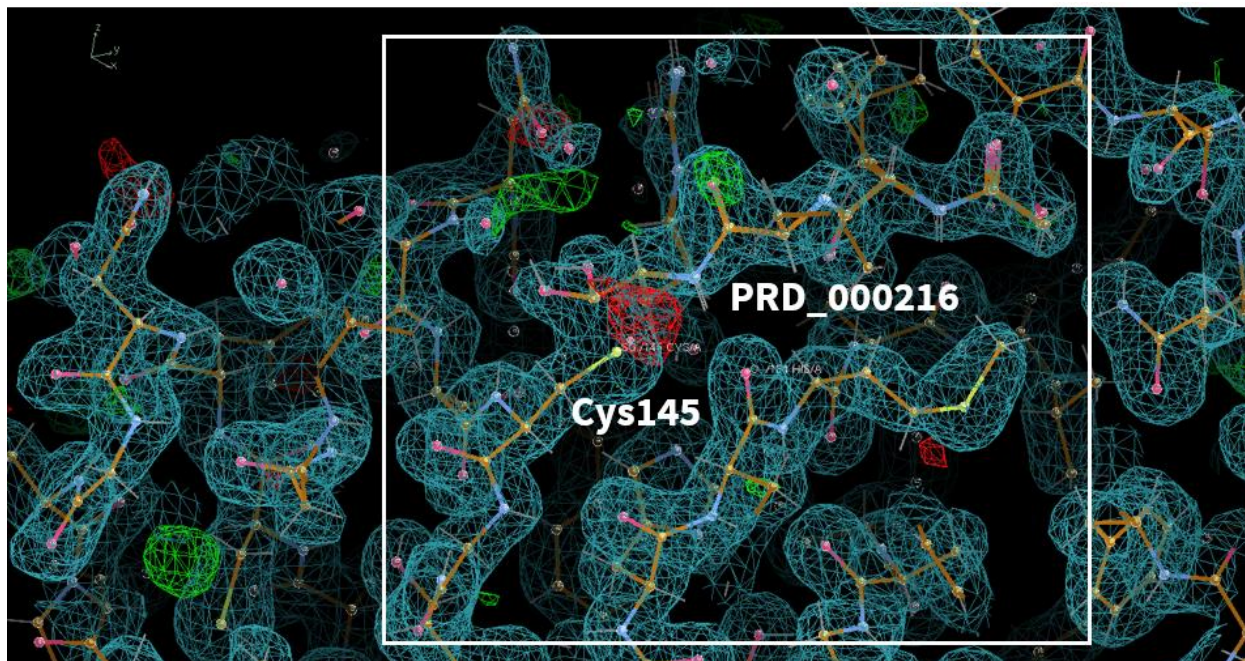
**PDB ID:** 6Z2E **Ligand:** biotin-PEG(4)-Abu-Tle-Leu-Gln-vinylsulfone(Q5T) **Resolution:** 1.70 Å **doi:** [10.2210/pdb6Z2E/pdb](https://doi.org/10.2210/pdb6Z2E/pdb) **Author(s):** Zhang et al. **Deposited:** 2020 May 15 **Released:** 2020 June 7



**Supplementary Figure 5.23** (covalent inhibitor)

**PDB ID:** 7C8U **Ligand:** GC-376(K36) **Resolution:** 2.35 Å **doi:** [10.2210/pdb7C8U/pdb](https://doi.org/10.2210/pdb7C8U/pdb) **Author(s):** Zhang et al. **Deposited:** 2020 June 03 **Released:** 2020 June 24

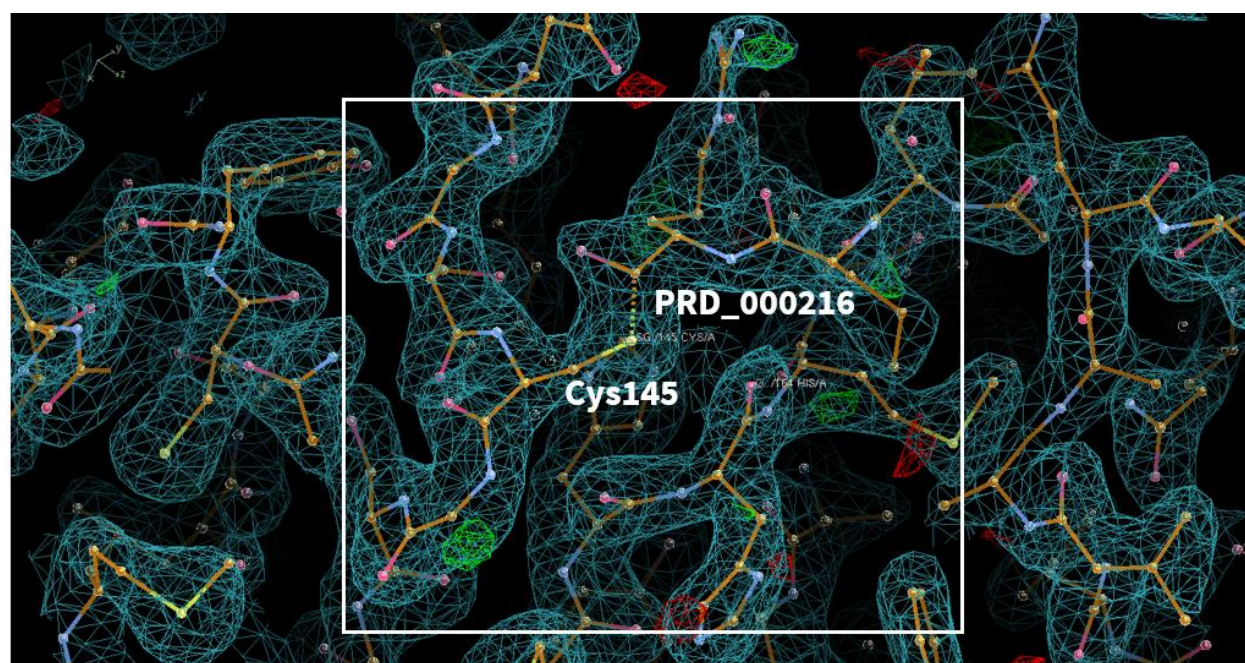




**Supplementary Figure 5.24** (covalent inhibitor)

**PDB ID:** 6YZ6 **Ligand:** Leupeptin(PRD\_000216) **Resolution:** 1.70 Å **doi:**

[10.2210/pdb6YZ6/pdb](https://doi.org/10.2210/pdb6YZ6/pdb) **Author(s):** Guenther et al. **Deposited:** 2020 May 06 **Released:** 2020 May 20

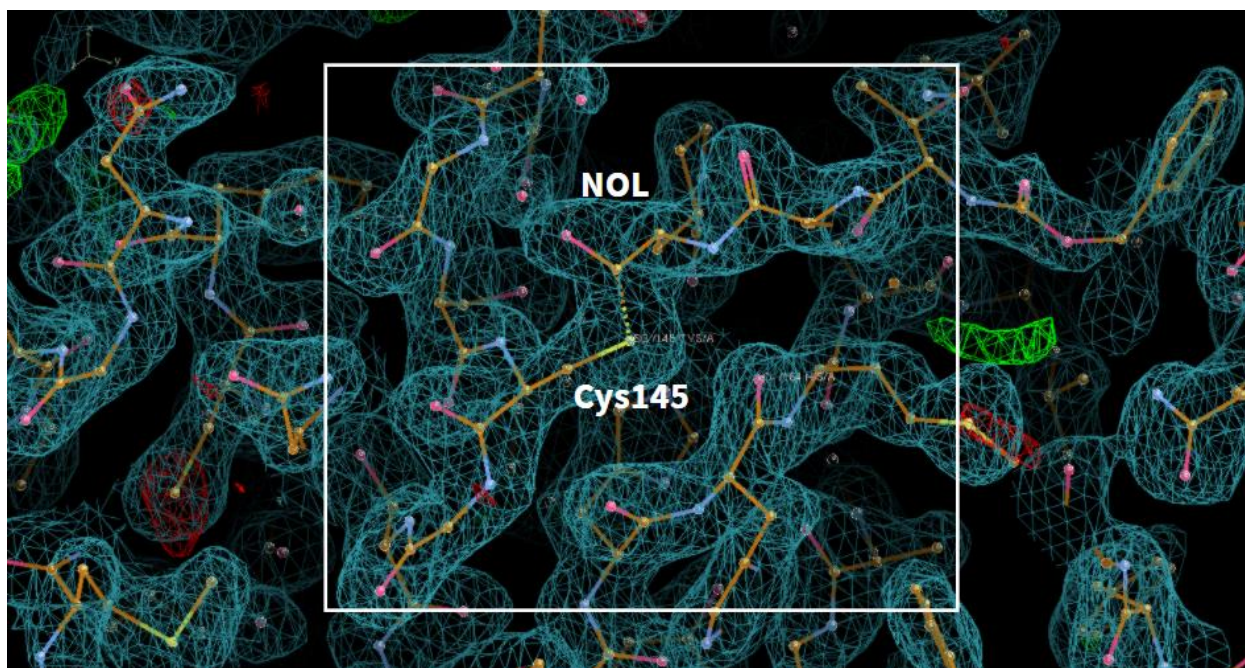


**Supplementary Figure 5.25** (covalent inhibitor)

**PDB ID:** 6XCH **Ligand:** Leupeptin(PRD\_000216) **Resolution:** 2.20 Å **doi:**

[10.2210/pdb6XCH/pdb](https://doi.org/10.2210/pdb6XCH/pdb) **Author(s):** Kneller et al. **Deposited:** 2020 June 08 **Released:** 2020 June 17

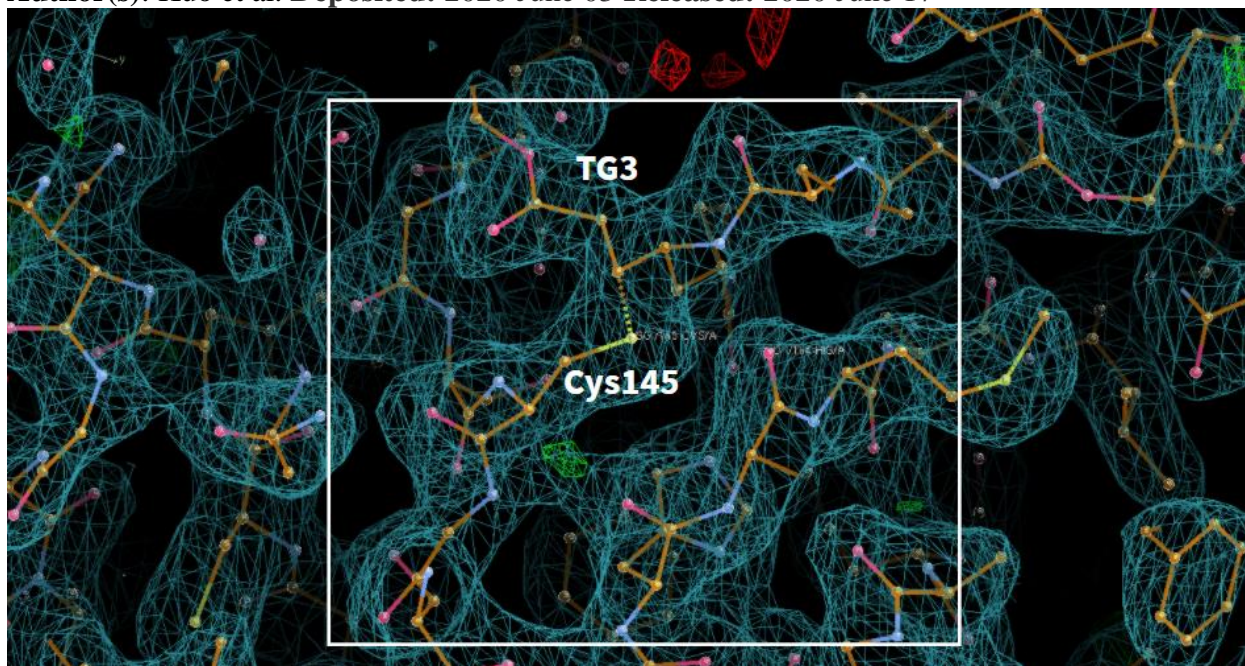




**Supplementary Figure 5.26** (covalent inhibitor)

**PDB ID:** 7C8T **Ligand:** TG-0205221(NOL) **Resolution:** 2.05 Å **doi:** [10.2210/pdb7C8T/pdb](https://doi.org/10.2210/pdb7C8T/pdb)

**Author(s):** Kuo et al. **Deposited:** 2020 June 03 **Released:** 2020 June 17

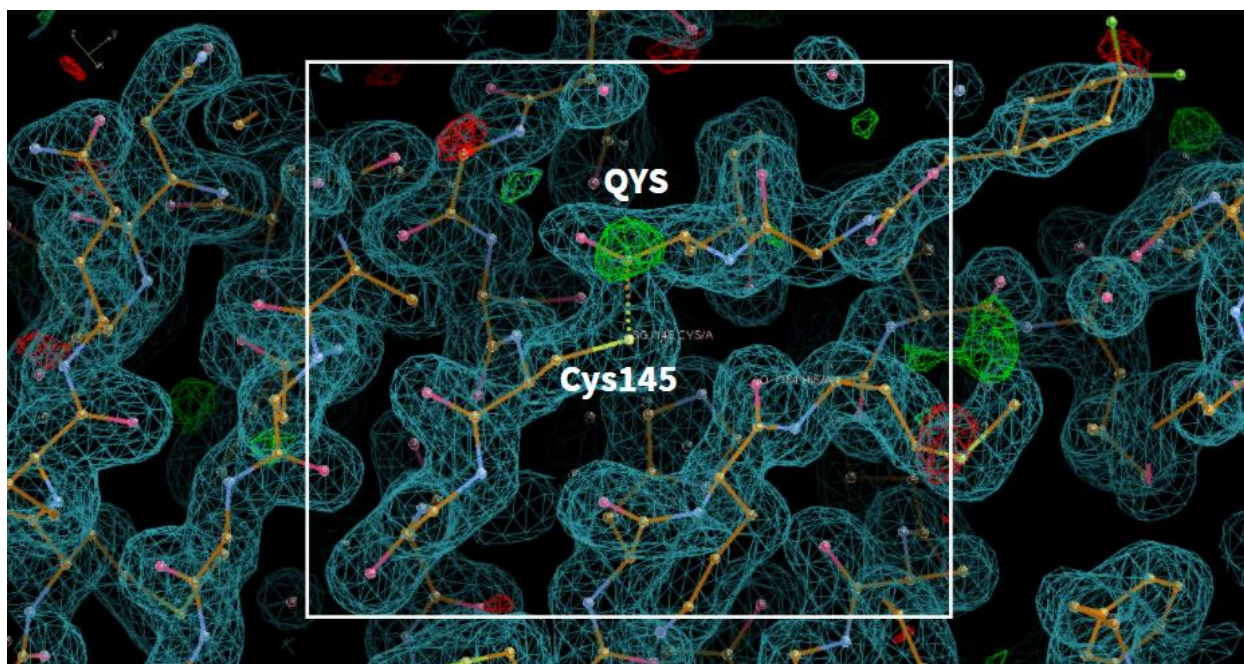


**Supplementary Figure 5.27** (covalent inhibitor)

**PDB ID:** 7C8R **Ligand:** TG-0203770(TG3) **Resolution:** 2.30 Å **doi:** [10.2210/pdb7C8R/pdb](https://doi.org/10.2210/pdb7C8R/pdb)

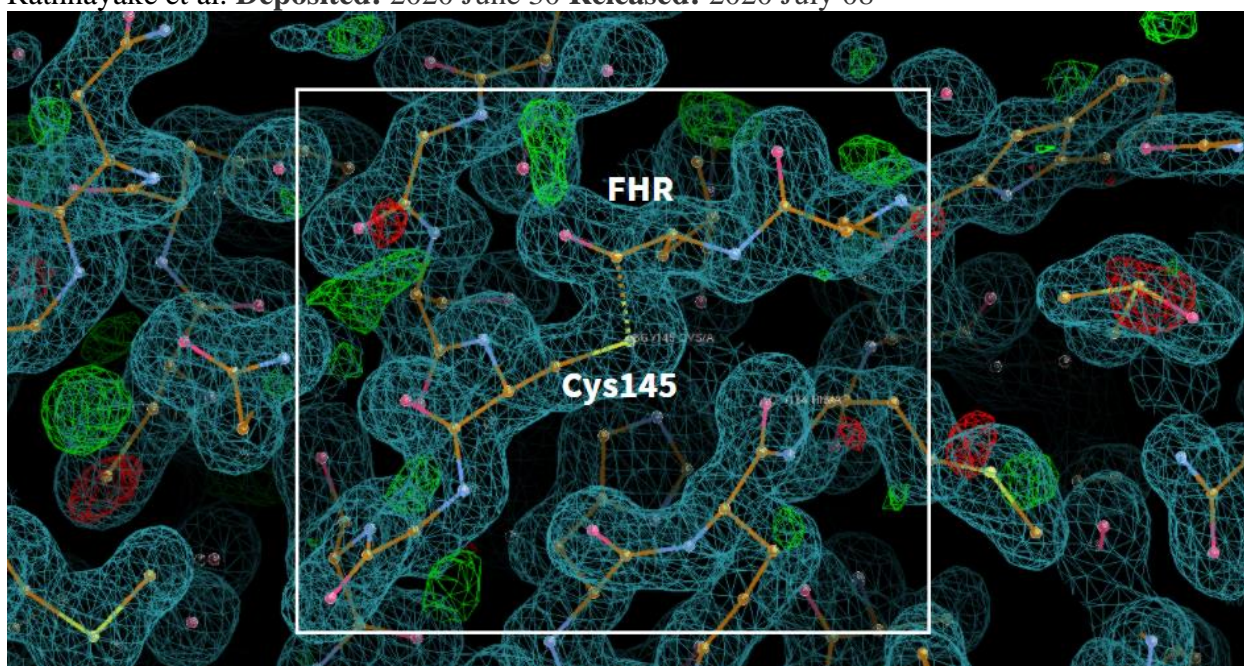
**Author(s):** Kuo et al. **Deposited:** 2020 June 03 **Released:** 2020 June 17





**Supplementary Figure 5.28** (covalent inhibitor)

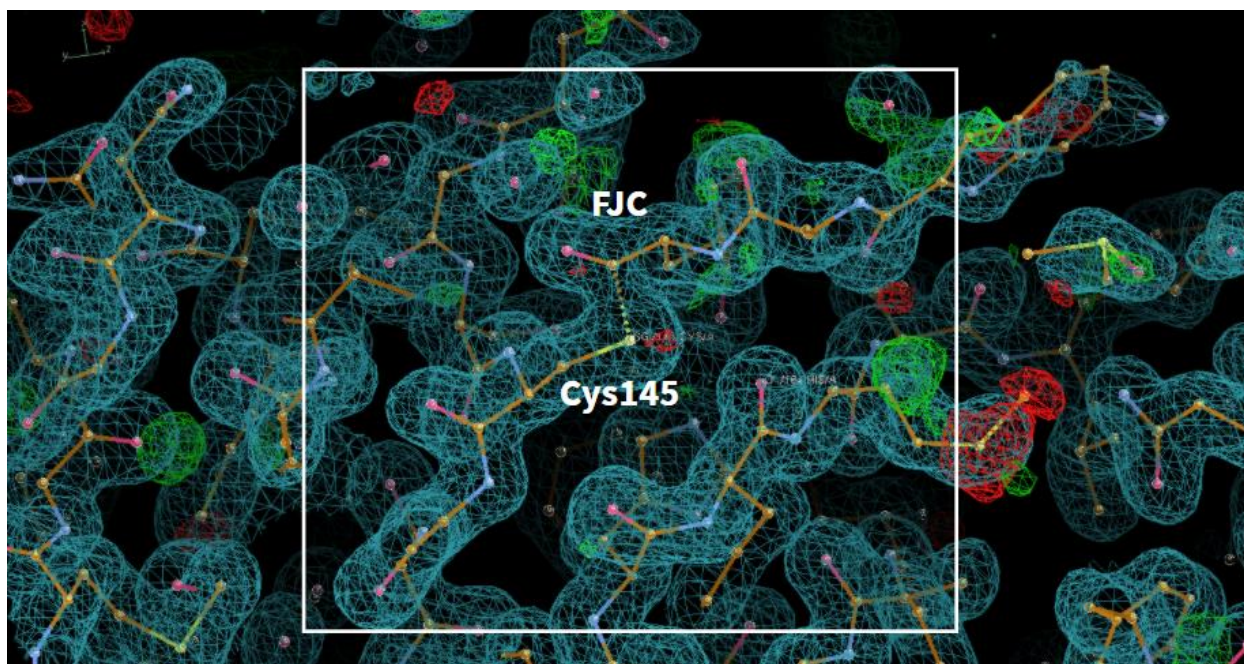
**PDB ID:** 6XMK **Ligand:** 7j(QYS) **Resolution:** 1.70 Å **doi:** [10.2210/pdb6XMK/pdb](https://doi.org/10.2210/pdb6XMK/pdb) **Author(s):** Rathnayake et al. **Deposited:** 2020 June 30 **Released:** 2020 July 08



**Supplementary Figure 5.29** (covalent inhibitor)

**PDB ID:** 6LZE **Ligand:** 11a(FHR) **Resolution:** 1.50 Å **doi:** [10.2210/pdb6LZE/pdb](https://doi.org/10.2210/pdb6LZE/pdb) **Author(s):** Dai et al. **Deposited:** 2020 February 19 **Released:** 2020 April 29

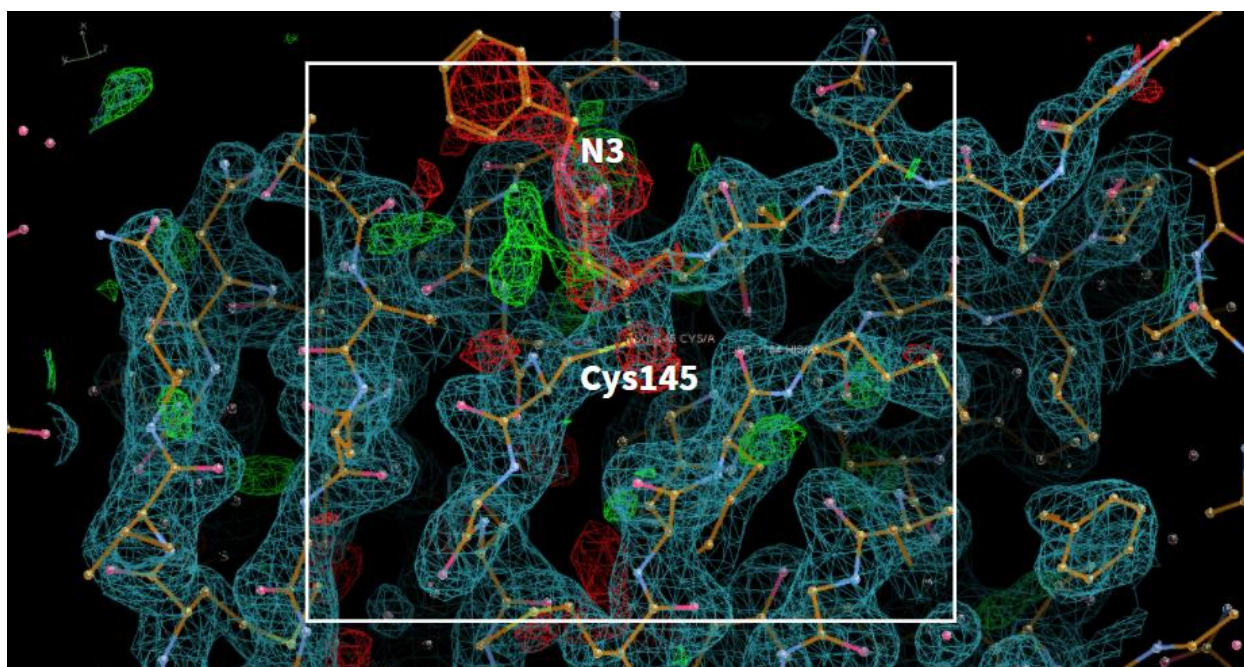




**Supplementary Figure 5.30** (covalent inhibitor)

**PDB ID:** 6M0K **Ligand:** 11b(FJC) **Resolution:** 1.50 Å **doi:** [10.2210/pdb6M0K/pdb](https://doi.org/10.2210/pdb6M0K/pdb)

**Author(s):** Dai et al. **Deposited:** 2020 February 22 **Released:** 2020 April 29

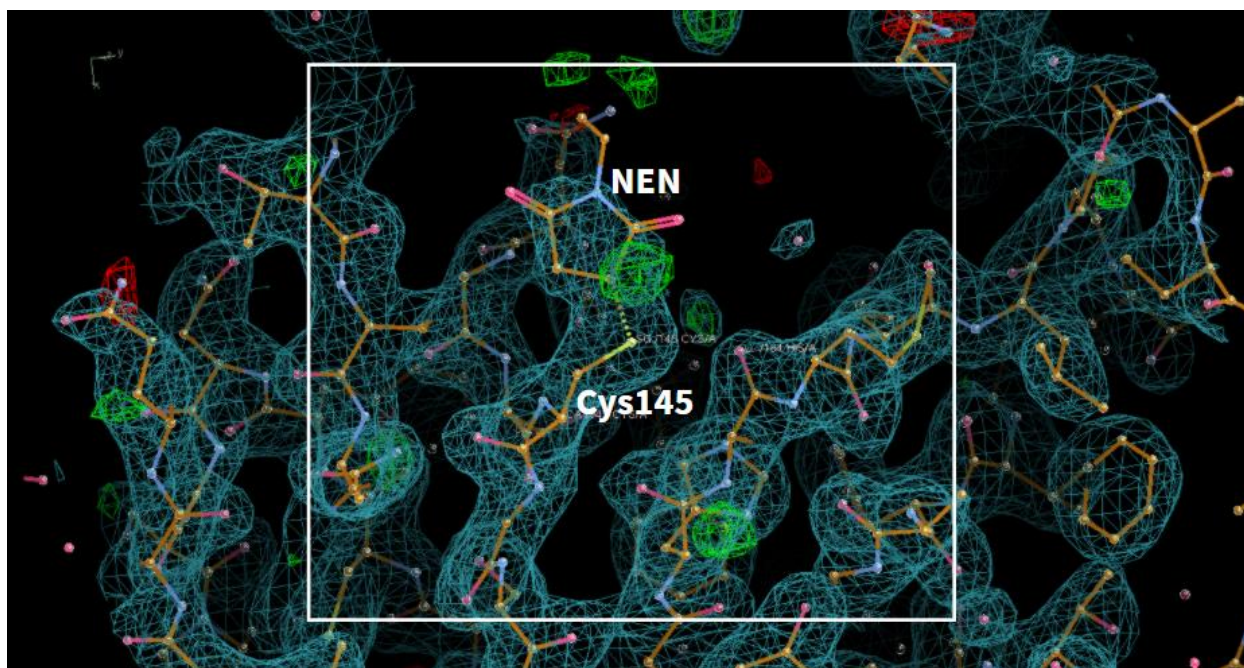


**Supplementary Figure 5.31** (covalent inhibitor)

**PDB ID:** 6LU7 **Ligand:** N3 **Resolution:** 2.16 Å **doi:** [10.2210/pdb6LU7/pdb](https://doi.org/10.2210/pdb6LU7/pdb)

**Author(s):** Jin et al. **Deposited:** 2020 January 26 **Released:** 2020 February 05

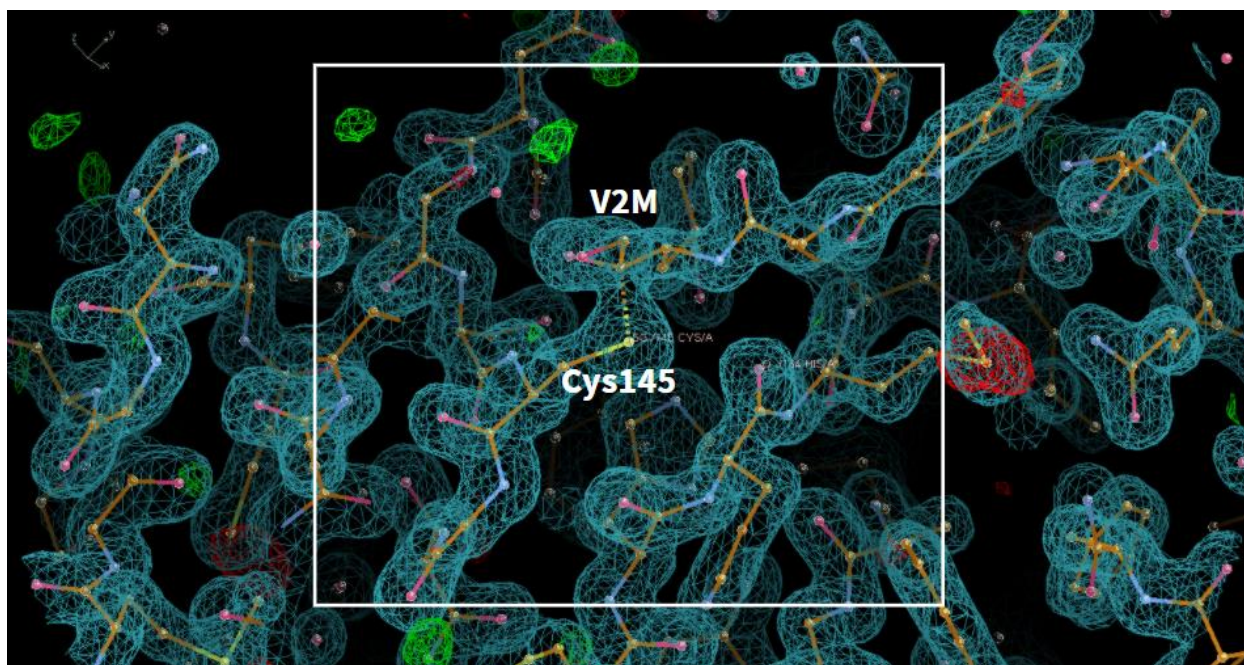




**Supplementary Figure 5.32** (covalent inhibitor)

**PDB ID:** 6XB2 **Ligand:** 1-ETHYL-PYRROLIDINE-2,5-DIONE(NEN) **Resolution:** 2.12 Å

**doi:** [10.2210/pdb6XB2/pdb](https://doi.org/10.2210/pdb6XB2/pdb) **Author(s):** Kneller et al. **Deposited:** 2020 June 05 **Released:** 2020 June 17

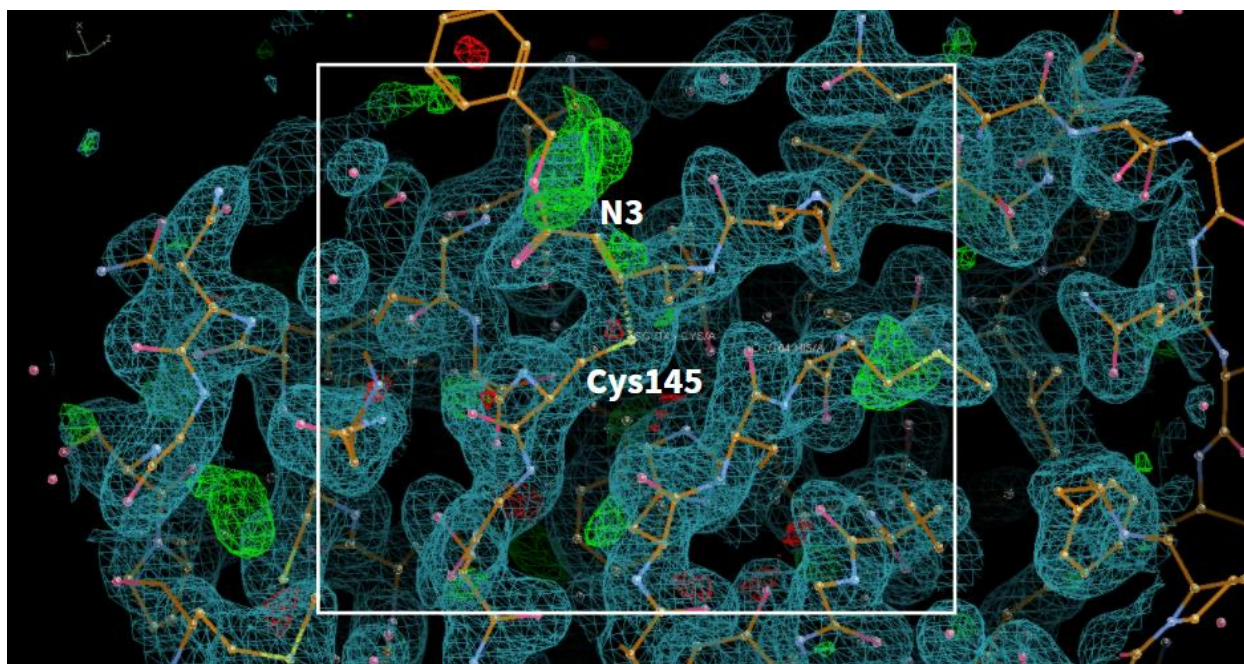


**Supplementary Figure 5.33** (covalent inhibitor)

**PDB ID:** 6XHM **Ligand:** C24 H32 N4 O6(V2M) **Resolution:** 1.41 Å **doi:**

[10.2210/pdb6XHM/pdb](https://doi.org/10.2210/pdb6XHM/pdb) **Author(s):** Hoffman et al. **Deposited:** 2020 June 19 **Released:** 2020 July 08

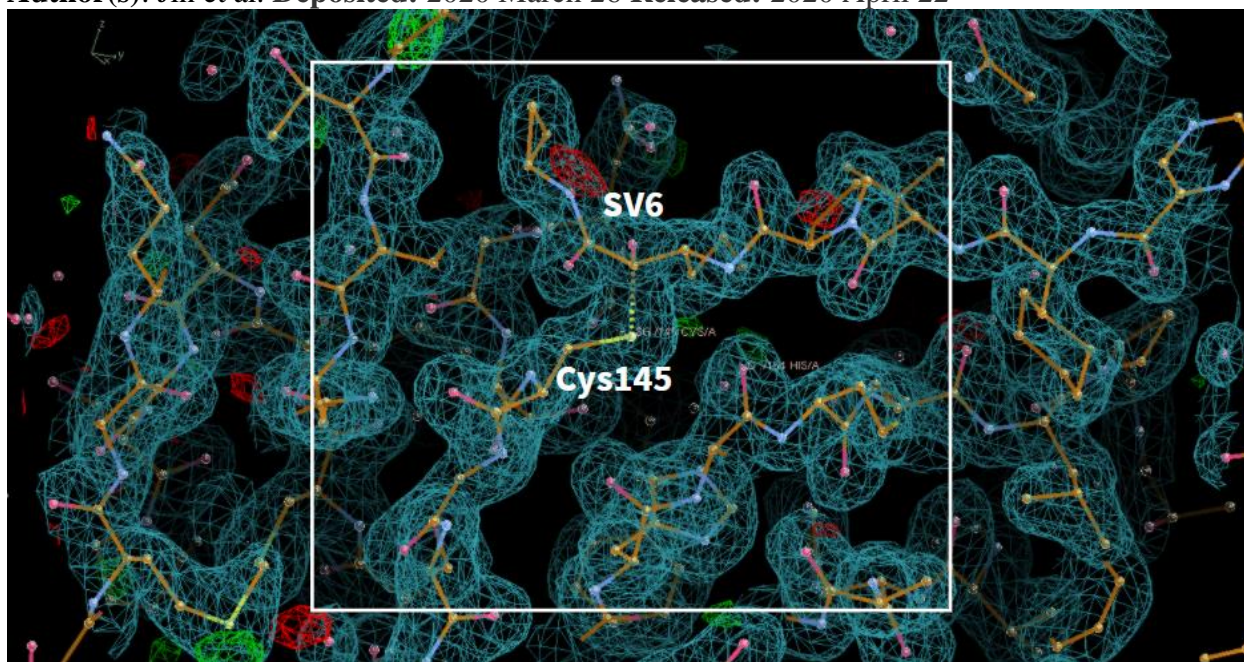




**Supplementary Figure 5.34** (covalent inhibitor)

**PDB ID:** 7BQY **Ligand:** N3 **Resolution:** 1.70 Å [doi: 10.2210/pdb7BQY/pdb](https://doi.org/10.2210/pdb7BQY/pdb)

**Author(s):** Jin et al. **Deposited:** 2020 March 26 **Released:** 2020 April 22

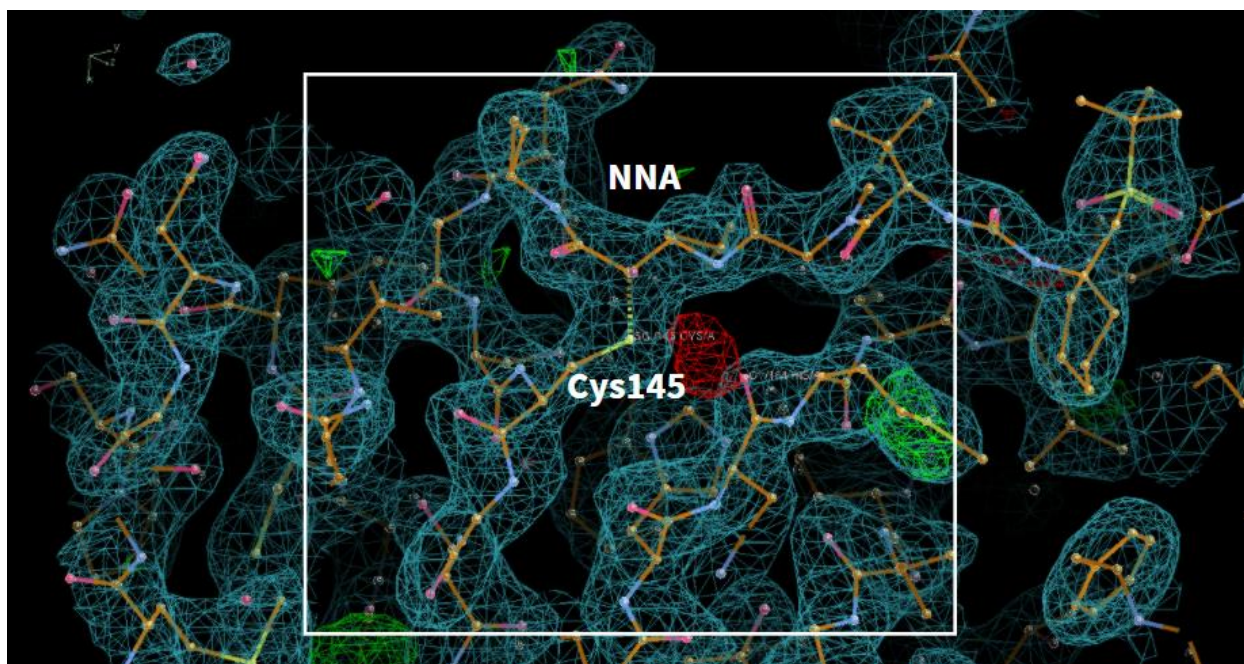


**Supplementary Figure 5.35** (covalent inhibitor)

**PDB ID:** 6XQS **Ligand:** Telaprevir(SV6) **Resolution:** 1.90 Å [doi: 10.2210/pdb6XQS/pdb](https://doi.org/10.2210/pdb6XQS/pdb)

**Author(s):** Kneller et al. **Deposited:** 2020 July 10 **Released:** 2020 July 22

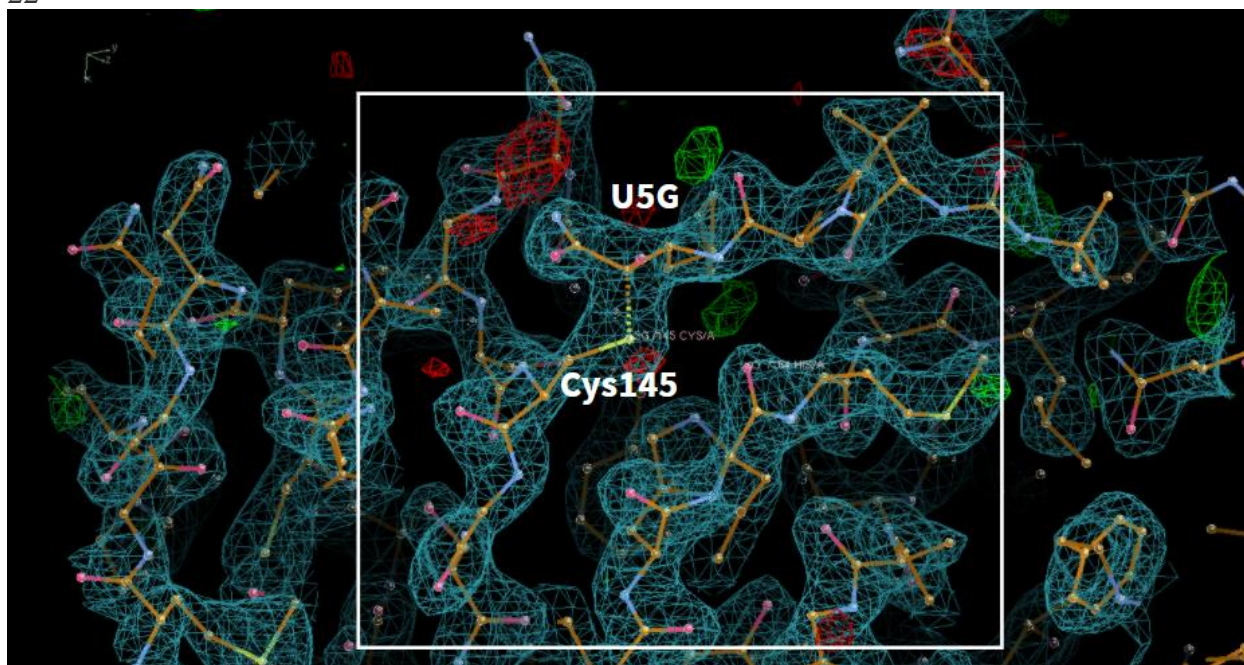




**Supplementary Figure 5.36** (covalent inhibitor)

**PDB ID:** 6XQT **Ligand:** C36 H63 N5 O7 S(NNA) **Resolution:** 2.30 Å doi:

[10.2210/pdb6XQT/pdb](https://doi.org/10.2210/pdb6XQT/pdb) **Author(s):** Kneller et al. **Deposited:** 2020 July 10 **Released:** 2020 July 22



**Supplementary Figure 5.37** (covalent inhibitor)

**PDB ID:** 6XQU **Ligand:** Boceprevir(U5G) **Resolution:** 2.20 Å doi: [10.2210/pdb6XQU/pdb](https://doi.org/10.2210/pdb6XQU/pdb)

**Author(s):** Kneller et al. **Deposited:** 2020 July 10 **Released:** 2020 July 22