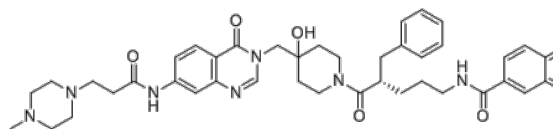


Product Name : XL177A
Cat. No. : PC-38072
CAS No. : 2417089-74-6
Molecular Formula : C₄₈H₅₇ClN₈O₅
Molecular Weight : 861.485
Target : Deubiquitinase (DUB)
Solubility : 10 mM in DMSO



Biological Activity

XL177A (XL-177A) is a potent, selective, irreversible **USP7** inhibitor with IC₅₀ of 0.34 nM.

XL177A inhibits HA-Ub-VS labeling with IC₅₀s of 85 and 8 nM following 30min and 4hr compound preincubations, respectively.

XL177A is a potent USP7 inhibitor (IC₅₀=39 nM) and p53 stabilizer in cyto.

XL177A binds USP7 in the XL188 binding pocket, XL177A binds to and inhibits USP7 with >10-fold selectivity over closely related DUBs.

XL177A activates p53 signaling transcriptome-wide in MCF7 cells. XL177A exerts p53-dependent growth suppression in individual cell lines.

References

Nathan J Schauer, et al. **Sci Rep.** 2020 Mar 24;10(1):5324.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com