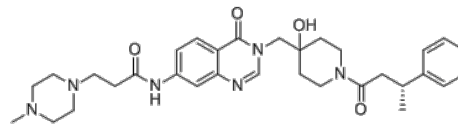


**Product Name** : XL188  
**Cat. No.** : PC-60494  
**CAS No.** : 2305045-76-3  
**Molecular Formula** : C<sub>32</sub>H<sub>42</sub>N<sub>6</sub>O<sub>4</sub>  
**Molecular Weight** : 574.726  
**Target** : Deubiquitinase (DUB)  
**Solubility** : 10 mM in DMSO



### Biological Activity

XL188 (XL-188) is a potent, selective, non-covalent active-site inhibitor of **USP7** with IC<sub>50</sub> of 90 nM and 193 nM for USP7 full length enzyme and catalytic domain, respectively.

XL188 exhibits little to no inhibition against a panel of 41 DUBs.

XL188 promotes USP7-dependent loss of HDM2 and increases p53 and p21, significantly blocks labeling of USP7 by HA-Ub-Vs with an IC<sub>50</sub> of 0.9 μM.

XL188 is a probe suitable for in vivo studies, highly valuable for pharmacological validation of USP7 in animal disease models.

### References

Lamberto I, et al. *Cell Chem Biol.* 2017 Sep 28. pii: S2451-9456(17)30329-X.

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

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