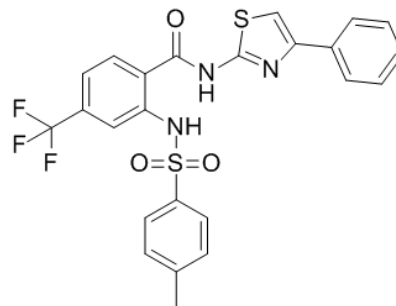


**Product Name** : ML364  
**Cat. No.** : PC-42288  
**CAS No.** : 1991986-30-1  
**Molecular Formula** : C<sub>24</sub>H<sub>18</sub>F<sub>3</sub>N<sub>3</sub>O<sub>3</sub>S<sub>2</sub>  
**Molecular Weight** : 517.5432296  
**Target** : Deubiquitinase (DUB)  
**Solubility** : DMSO: ≥ 33 mg/mL



### Biological Activity

ML364 is a potent, selective and reversible **ubiquitin-specific protease USP2** inhibitor with IC<sub>50</sub> of 1.1 uM. ML364 also inhibits USP8 (IC<sub>50</sub>=0.95 uM), and no activity against caspase 6, caspase 7, MMP1, MMP9 and USP15, as well as a panel of 102 kinases. ML364 accelerates cellular cyclin D1 degradation and causes cell cycle arrest in HCT116 cancer cell lines, also causes a decrease in homologous recombination-mediated DNA repair.

### References

Davis MI, et al. *J Biol Chem*. 2016 Nov 18;291(47):24628-24640.

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

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