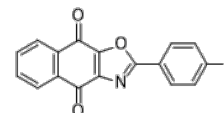


**Product Name** : USP1 inhibitor C527  
**Cat. No.** : PC-22864  
**CAS No.** : 192718-06-2  
**Molecular Formula** : C<sub>17</sub>H<sub>8</sub>FNO<sub>3</sub>  
**Molecular Weight** : 293.25  
**Target** : Deubiquitinase (DUB)  
**Solubility** : 10 mM in DMSO



## Biological Activity

USP1 inhibitor C527 is a specific small-molecule inhibitor of USP1 blocking the deubiquitinating enzyme activity of USP1 with IC<sub>50</sub> of 0.88 μM (USP/UAF1 complex).

C527 shows less inhibitory effect on UCH-L1 and UCH-L3, inhibits the DUB activity of the USP12/USP46 complex and other DUB enzymes in vitro with higher IC<sub>50</sub> values.

C527 promoted the dose-dependent degradation of ID1 in human U2OS osteosarcoma cells.

## References

Helena Mistry, et al. Mol Cancer Ther. 2013 Dec;12(12):2651-62.

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

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