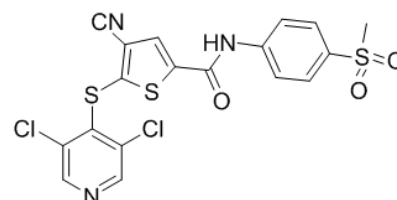


**Product Name** : P-50429  
**Cat. No.** : PC-43555  
**CAS No.** : 1247825-37-1  
**Molecular Formula** : C<sub>18</sub>H<sub>11</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>3</sub>S<sub>3</sub>  
**Molecular Weight** : 484.3992  
**Target** : Deubiquitinase (DUB)  
**Solubility** : DMSO: ≥ 44 mg/mL



## Biological Activity

P-50429 (P50429, P 50429) is a potent, selective, covalent deubiquitinase **USP7** (EC<sub>50</sub>=0.42 μM)/USP47 (EC<sub>50</sub>=1.0 μM) inhibitor with no inhibition for caspase 3, calpain 1, 20S proteasome and a panel of representative USPs.

P-50429 exhibits 20-fold more potent inhibition of USP7 compared with P22077 (IC<sub>50</sub> 0.42 versus 8.0 μM).

P-50429 destabilizes HDM2, increases p53 and the downstream target p21, inhibits the proliferation of HCT-116 cells.

## References

Weinstock J, et al. *ACS Med Chem Lett.* 2012 Sep 11;3(10):789-92.

Pozhidaeva A, et al. *Cell Chem Biol.* 2017 Oct 4. pii: S2451-9456(17)30330-6.

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

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