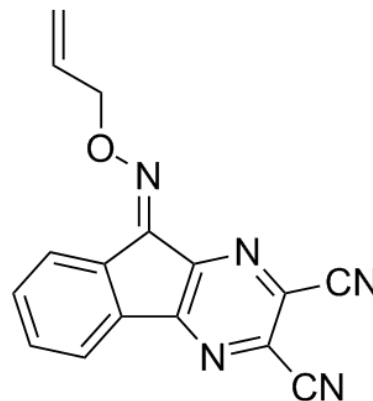


**Product Name** : USP8-IN-22c  
**Cat. No.** : PC-45857  
**CAS No.** : 924296-17-3  
**Molecular Formula** : C<sub>16</sub>H<sub>9</sub>N<sub>5</sub>O  
**Molecular Weight** : 287.2756  
**Target** : Deubiquitinase (DUB)  
**Solubility** : DMSO: 20.1 mg/mL



### Biological Activity

USP8-IN-22c is a potent, selective ubiquitin-specific protease **USP8** inhibitor with IC<sub>50</sub> of 0.56  $\mu$ M.

USP8-IN-22c shows no inhibitory activity for USP7, USP5, SENP1, Uch-L3, and caspase 3 (IC<sub>50</sub>>100  $\mu$ M), and displays partial activity against Uch-L3.

USP8-IN-22c inhibits the viability of HCT116 colon and PC-3 prostate cancer cell lines with IC<sub>50</sub> values in the 0.5-1.5  $\mu$ M range.

### References

Colombo M, et al. *ChemMedChem*. 2010 Apr 6;5(4):552-8.

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

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