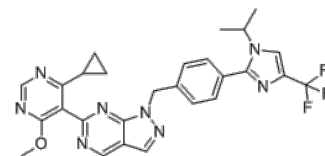


**Product Name** : KSQ4279  
**Cat. No.** : PC-73318  
**CAS No.** : 2446480-97-1  
**Molecular Formula** : C<sub>27</sub>H<sub>25</sub>F<sub>3</sub>N<sub>8</sub>O  
**Molecular Weight** : 534.547  
**Target** : Deubiquitinase (DUB)  
**Solubility** : 10 mM in DMSO



## Biological Activity

KSQ4279 (KSQ-4279) is a potent, selective, first-in-class inhibitor of **USP1** with  $K_i$  of 1.2 nM, shows anti-proliferative effects in a subset of cell lines, including mutations in BRCA1/2.

KSQ-4279 has a unique mode of allosteric binding to USP1 and a high degree of selectivity over other family members.

USP1 is a protein regulating DNA damage response (DDR).

KSQ-4279 demonstrated efficacy both as a single agent and in combination with PARP inhibitors across multiple BRCA/HRD xenograft model.

## References

Sol Shenker, et al. *Cancer Res* (2021) 81 (13\_Supplement): 1337.

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

E-mail: tech@probechem.com