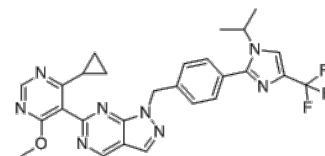


Product Name : KSQ-4279
Cat. No. : PC-73318
CAS No. : 2446480-97-1
Molecular Formula : C₂₇H₂₅F₃N₈O
Molecular Weight : 534.547
Target : Deubiquitinase (DUB)
Solubility : 10 mM in DMSO



Biological Activity

KSQ-4279 (RO7623066) 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!

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