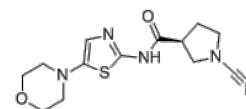


Product Name : 6RK73
Cat. No. : PC-73132
CAS No. : 1895050-66-4
Molecular Formula : C₁₃H₁₇N₅O₂S
Molecular Weight : 307.372
Target : Deubiquitinase (DUB)
Solubility : 10 mM in DMSO



Biological Activity

6RK73 is a potent, specific and covalent **UCHL1** inhibitor with IC₅₀ of 0.23 μM.
6RK73 displays a high selectivity over other DUBs including its closest family members UCHL3 and UCHL5.
6RK73 shows more potent inhibition than LDN57444 on UCHL1 activity in MDA-MB-436 cells by TAMRA ABP assay.
6RK73 is comparable to genetic knockdown of UCHL1.
6RK73 displays strong inhibition of the TGFβ-induced pSMAD2 and pSMAD3, and a decrease of TβRI and total SMAD protein levels in MDA-MB-436 cells, which is stronger than the effect of shRNA-mediated UCHL1 knockdown.
6RK73 potently inhibits breast cancer migration and extravasation.

References

Liu S, et al. *Clin Cancer Res.* 2020 Mar 15;26(6):1460-1473.

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

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