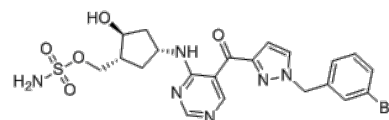


Product Name : ML-792
Cat. No. : PC-61698
CAS No. : 1644342-14-2
Molecular Formula : C₂₁H₂₃BrN₆O₅S
Molecular Weight : 551.416
Target : Ubiquitin-activating Enzyme (E1)
Solubility : 10 mM in DMSO



Biological Activity

ML-792 is a potent, selective **SUMO-activating enzyme (SAE)** inhibitor with IC₅₀ of 3 nM and 11 nM for SAE/SUMO1 and SAE/SUMO2, respectively.

ML 792 shows no significant inhibition for closely related E1 enzymes NAE (IC₅₀=32 uM) and ubiquitin-activating enzyme (UAE) (IC₅₀ >100 uM), as well as a panel of 366 ATP-using enzymes.

ML 792 dose-dependently decreases global SUMOylation in HCT116 cells (EC₅₀=19 nM), demonstrates potent antiproliferative effect in HCT116 cells and MDA-MB-231 cells with EC₅₀ of 0.04 and 0.11 uM, respectively.

References

He X, et al. *Nat Chem Biol*. 2017 Sep 11. doi: 10.1038/nchembio.2463.

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

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