

Product Name	: ML 792
Synonyms	: ML792
Cat No.	: M12506
CAS Number	: 1644342-14-2
Molecular Formula	: C ₂₁ H ₂₃ BrN ₆ O ₅ S
Formula Weight	: 551.42
Chemical Name	: ((1R,2S,4R)-4-((5-(1-(3-bromobenzyl)-1H-pyrazole-3-carbonyl)pyrimidin-4-yl)amino)-2-hydroxycyclopentyl)methyl sulfamate
Description	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; 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; 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.
Pathway	: Proteasome/Ubiquitin
Target	: E1
Receptor	: E1
Solubility	: —
SMILES	: O=S(OC[C@@H]1[C@@H](O)C[C@H](NC2=NC=NC=C2C(C3=NN(CC4=CC=CC(Br)=C4)C=C3)=O)C1)(N)=O
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

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