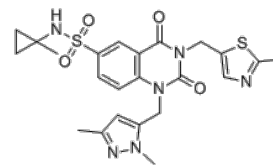


Product Name : PDD 00017273
Cat. No. : PC-62412
CAS No. : 1945950-21-9
Molecular Formula : C₂₃H₂₆N₆O₄S₂
Molecular Weight : 514.619
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

PDD 00017273 (PDDX-001) is the first-in-class, selective inhibitor of poly(ADP-ribose) glycohydrolase (**PARG**) with K_d, biochemical EC₅₀ of 1.45 nM, 26 nM.

PDD 00017273 inhibits the proliferation of ZR-75-1 cells and MDA-MB-436 with IC₅₀ of 0.2 and 0.8 μM.

PDD 00017273 inhibits DNA repair with differential pharmacology to olaparib; shows no activity against CYP450 isoforms.

PDD 00017273 possesses good aqueous solubility and suitable for in vivo studies.

References

James DI, et al. *ACS Chem Biol.* 2016 Nov 18;11(11):3179-3190.

Gravells P, et al. *DNA Repair (Amst).* 2017 Apr;52:81-91.

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

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