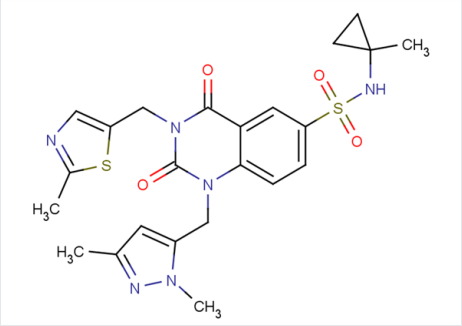
PDD00017273 Inhibitor

PRODUCT OVERVIEW

Product Name	PDD00017273, Inhibitor
Full Product Name	PDD00017273
Product Gene Name	PDD00017273, inhibitor
Purity/Purification	99.14%
Preparation and Storage	Powder: -20 degree C for 3 years | In solvent: -80 degree C for 1 year
Molecular Weight	514.62
SMILES	C(N1C=2C(C(=O)N(CC3=CN=C(C)S3)C1=O)=CC(S(NC4(C)CC4)(=O)=O)=CC2)C=5N(C)N=C(C)C5
Formula	C23H26N6O4S2
Solubility	DMSO: 20 mg/mL (38.86 mM) Need ultrasonic (< 1 mg/ml refers to the product slightly soluble or insoluble)
CAS Number	1945950-21-9
Targets&IC50	PARG: 1.45 nM (Kd), PARG: 26 nM
In_vitro	PDD 00017273 is an effective Inhibitor of PARG with an IC50 of 26 nM and a KD of 1.45 nM. At 10uM, PDD 00017273 does not inhibit five common cytochrome P450 enzymes. At 30uM, it moderately increases phosphorylated H2AX (gammaH2AX) intensity. Additionally, PDD 00017273 reduces NAD/H through PARG inhibition after DNA damage. The compound inhibits ZR-75-1 cells carrying wild-type BRCA1 and BRCA2 and exhibits weaker activity against MDA-MB-436 cells carrying the 5396 + 1G>A mutation in BRCA1[2].At 0.3uM, PDD 00017273 inhibits the degradation of PAR polymers in MCF7 cells. It also reduces the viability of BRCA1, BRCA2, PALB2, FAM175A, and BARD1-depleted cells. PDD 00017273 halts replication forks and induces DNA damage requiring homologous recombination (HR) for repair[1].
Related Product Information for PDD00017273, inhibitor	PDD00017273 is a radiosensitizing PARG) Inhibitor with antitumor or activity for the study of epithelial ovaries.
Other Notes	Small volumes of PDD00017273, inhibitor vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PDD00017273 purchase	MBS5802884 is an inhibitor targeting PDD00017273.



Structure of PDD00017273, inhibitor

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/inhibitor/pdd00017273/5802884