

Product Name: PDD 00017272

Catalog No.: 7006

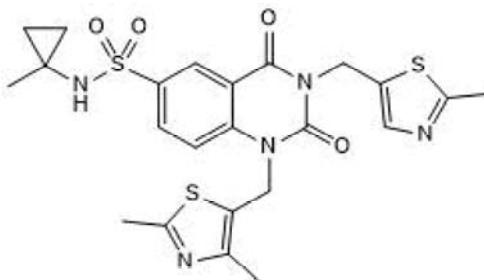
Batch No.: 1

CAS Number: 1945950-20-8

IUPAC Name: 1-[(2,4-Dimethyl-5-thiazolyl)methyl]-1,2,3,4-tetrahydro-*N*-(1-methylcyclopropyl)-3-[(2-methyl-5-thiazolyl)methyl]-2,4-dioxo-6-quinazolinesulfonamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₂₃ H ₂₅ N ₅ O ₄ S ₃ ·H ₂ O
Batch Molecular Weight:	549.68
Physical Appearance:	White solid
Solubility:	DMSO to 20 mM with gentle warming
Storage:	Store at -20°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

HPLC:	Shows 98.7% purity
¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure

Microanalysis:	Carbon Hydrogen Nitrogen		
Theoretical	50.26	4.95	12.74
Found	49.93	4.52	12.47

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

PDD 00017272 is a potent poly (ADP ribose) glycohydrolase (PARG) inhibitor (IC₅₀ values are 4.8 nM in biochemical assay and 9.2 nM in cell based assay).

Physical and Chemical Properties:

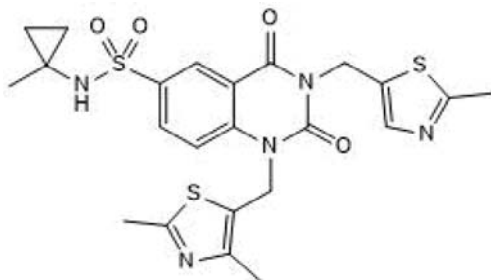
Batch Molecular Formula: C₂₃H₂₅N₅O₄S₃.H₂O

Batch Molecular Weight: 549.68

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 20 mM with gentle warming

When purchased as a 1mg unit, this product is supplied as a lyophilized solid and may be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

Licensing Information:

Sold under license from Cancer Research Technology Ltd (Ximbio).

References:

Waszkowycz et al (2018) Cell-active small molecule inhibitors of the DNA-damage repair enzyme poly(ADP-ribose) glycohydrolase (PARG): discovery and optimization of orally bioavailable quinazolinone sulfonamides. *J.Med.Chem.* **61** 10767. PMID: 30403352.

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