

Product Name: PDD 00031705

Catalog No.: 7009

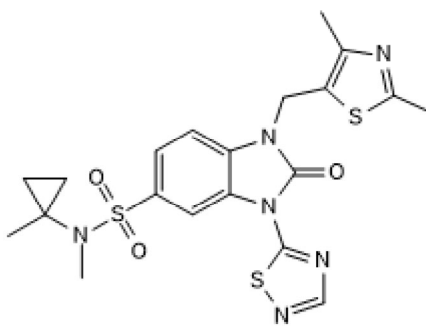
Batch No.: 1

CAS Number: 2032096-45-8

IUPAC Name: 1-[(2,4-Dimethyl-5-thiazolyl)methyl]-2,3-dihydro-*N*-methyl-*N*-(1-methylcyclopropyl)-2-oxo-3-(1,2,4-thiadiazol-5-yl)-1*H*-benzimidazole-5-sulfonamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₂₀ H ₂₂ N ₆ O ₃ S ₃
Batch Molecular Weight:	490.62
Physical Appearance:	White solid
Solubility:	DMSO to 10 mM
Storage:	Store at -20°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

HPLC:	Shows 97.9% purity
¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure

Microanalysis:	Carbon Hydrogen Nitrogen		
Theoretical	48.96	4.52	17.13
Found	49.08	4.53	17.05

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

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Description:

PDD 00031705 is a negative control for PDD 00017238 (Cat. No. 7007).

Physical and Chemical Properties:

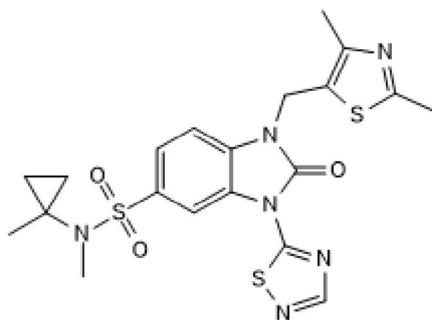
Batch Molecular Formula: C₂₀H₂₂N₆O₃S₃

Batch Molecular Weight: 490.62

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 10 mM

This product is supplied in lyophilized form. It may appear as a solid, gel or film and 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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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.

References:

James *et al* (2016) First-in-class chemical probes against poly(ADP-ribose) glycohydrolase (PARG) inhibit DNA repair with differential pharmacology to Olaparib. ACS Chem.Biol. **11** 3179. PMID: 27689388.

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