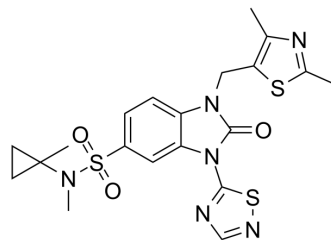


## PDD00031705

Cat. No.:	HY-135846
CAS No.:	2032096-45-8
Molecular Formula:	C <sub>20</sub> H <sub>22</sub> N <sub>6</sub> O <sub>3</sub> S <sub>3</sub>
Molecular Weight:	490.62
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (203.82 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.0382 mL	10.1912 mL	20.3824 mL
				5 mM	0.4076 mL	2.0382 mL	4.0765 mL
				10 mM	0.2038 mL	1.0191 mL	2.0382 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.10 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.10 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.10 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	PDD00031705 is a benzimidazolone core cell-inactive inhibitor of Poly (ADP-ribose) glycohydrolase (PARG) <sup>[1]</sup> .
In Vitro	PDD00031705 shows some modest toxicity in in HeLa cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

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[1]. James DI, et al. First-in-Class Chemical Probes against Poly(ADP-ribose) Glycohydrolase (PARG) Inhibit DNA Repair with Differential Pharmacology to AZD2281. ACS Chem Biol. 2016 Nov 18;11(11):3179-3190. Epub 2016 Oct 12.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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