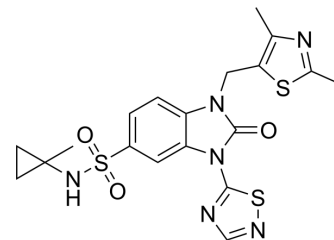


## PDD00017238

<b>Cat. No.:</b>	HY-133530		
<b>CAS No.:</b>	1952247-05-0		
<b>Molecular Formula:</b>	C <sub>19</sub> H <sub>20</sub> N <sub>6</sub> O <sub>3</sub> S <sub>3</sub>		
<b>Molecular Weight:</b>	476.6		
<b>Target:</b>	Poly(ADP-ribose) Glycohydrolase (PARG)		
<b>Pathway:</b>	Cell Cycle/DNA Damage		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 50 mg/mL (104.91 mM; ultrasonic and warming and heat to 60°C)									
	<table border="1"> <tr> <td rowspan="2">Solvent</td> <td>Mass</td> <td rowspan="2">1 mg</td> <td rowspan="2">5 mg</td> <td rowspan="2">10 mg</td> </tr> <tr> <td>Concentration</td> </tr> </table>	Solvent	Mass	1 mg	5 mg	10 mg	Concentration			
Solvent	Mass		1 mg				5 mg	10 mg		
	Concentration									
<b>Preparing Stock Solutions</b>	1 mM	2.0982 mL	10.4910 mL	20.9820 mL						
	5 mM	0.4196 mL	2.0982 mL	4.1964 mL						
	10 mM	0.2098 mL	1.0491 mL	2.0982 mL						
	Please refer to the solubility information to select the appropriate solvent.									
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.25 mM); Clear solution									

### BIOLOGICAL ACTIVITY

<b>Description</b>	PDD00017238 is a potent inhibitor of Poly(ADP-ribose) Glycohydrolase (PARG), with EC <sub>50</sub> values of 40 nM and 55 nM in biochemical assay and cell POM, respectively <sup>[1]</sup> .
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### REFERENCES

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

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

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