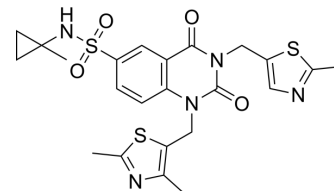


PDD00017272

Cat. No.:	HY-133531		
CAS No.:	1945950-20-8		
Molecular Formula:	C ₂₃ H ₂₅ N ₅ O ₄ S ₃		
Molecular Weight:	531.67		
Target:	Poly(ADP-ribose) Glycohydrolase (PARG)		
Pathway:	Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 25 mg/mL (47.02 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.8809 mL	9.4043 mL	18.8087 mL
	5 mM	0.3762 mL	1.8809 mL	3.7617 mL
	10 mM	0.1881 mL	0.9404 mL	1.8809 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 1 mg/mL (1.88 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

PDD00017272 (34f) is a potent inhibitor of Poly(ADP-ribose) Glycohydrolase (PARG), with EC₅₀ of 4.8 nM and 9.2 nM in biochemical assay and cell POM, respectively^[1].

REFERENCES

[1]. Bohdan Waszkowycz, et al. 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. 2018 Dec 13;61(23):10767-10792.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA