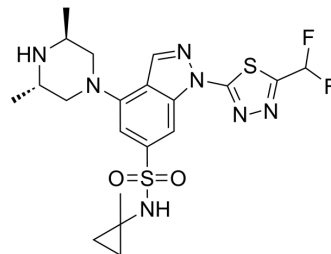


PARG-IN-4

Cat. No.:	HY-156881		
CAS No.:	2988890-20-4		
Molecular Formula:	C ₂₀ H ₂₅ F ₂ N ₇ O ₂ S ₂		
Molecular Weight:	497.59		
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 : 20 mg/mL (40.19 mM; ultrasonic and warming and heat to 80°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0097 mL	10.0484 mL	20.0969 mL
	5 mM	0.4019 mL	2.0097 mL	4.0194 mL
	10 mM	0.2010 mL	1.0048 mL	2.0097 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 2 mg/mL (4.02 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2 mg/mL (4.02 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2 mg/mL (4.02 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

PARG-IN-4 (Formula (A)) is an orally active and cell-permeable PARG inhibitor. PARG-IN-4 effectively inhibits tumor growth in mouse models. PARG-IN-4 can be used in cancer research^[1].

REFERENCES

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

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