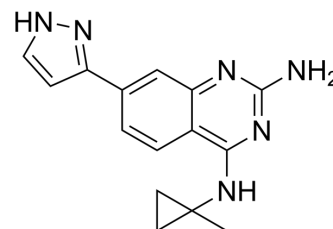


NLRP3 agonist 1

Cat. No.:	HY-156413		
CAS No.:	2454019-69-1		
Molecular Formula:	C ₁₅ H ₁₆ N ₆		
Molecular Weight:	280.33		
Target:	NOD-like Receptor (NLR)		
Pathway:	Immunology/Inflammation		
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 : 100 mg/mL (356.72 mM; ultrasonic and warming and heat to 80°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.5672 mL	17.8361 mL	35.6722 mL
	5 mM	0.7134 mL	3.5672 mL	7.1344 mL
	10 mM	0.3567 mL	1.7836 mL	3.5672 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: 2.5 mg/mL (8.92 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (8.92 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (8.92 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

NLRP3 agonist 1 (compound 23) is a potent and orally active NLRP3 agonist. NLRP3 agonist 1 can activate the enzyme Caspase-1 to cleave pro-IL-1β and pro-IL-18 proinflammatory cytokines into their mature forms^[1].

REFERENCES

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

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