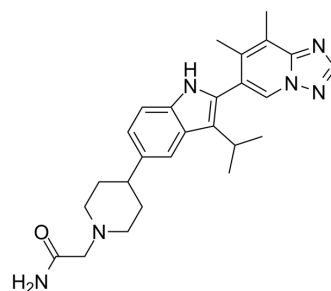


Afimetoran

Cat. No.:	HY-139567		
CAS No.:	2171019-55-7		
Molecular Formula:	C ₂₆ H ₃₂ N ₆ O		
Molecular Weight:	444.57		
Target:	Toll-like Receptor (TLR)		
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 (224.94 mM; ultrasonic and adjust pH to 2 with HCl)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2494 mL	11.2468 mL	22.4936 mL
	5 mM	0.4499 mL	2.2494 mL	4.4987 mL
	10 mM	0.2249 mL	1.1247 mL	2.2494 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 (5.62 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (5.62 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (5.62 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Afimetoran is a toll-like receptor antagonist, which can be used in the research of inflammatory and autoimmune diseases^[1]

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

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