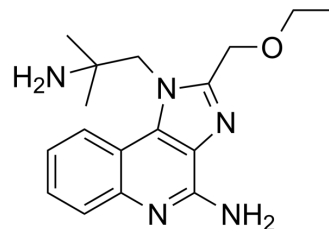


TLR7/8 agonist 3

Cat. No.:	HY-130797		
CAS No.:	642473-95-8		
Molecular Formula:	C ₁₇ H ₂₃ N ₅ O		
Molecular Weight:	313.4		
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 : 50 mg/mL (159.54 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.1908 mL	15.9541 mL	31.9081 mL
		5 mM	0.6382 mL	3.1908 mL	6.3816 mL
10 mM		0.3191 mL	1.5954 mL	3.1908 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (7.98 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.98 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.98 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	TLR7/8 agonist 3 is a potent TLR7 and TLR8 agonist, extracted from patent WO2016057618 (compound of formula (II)) ^[1] .	
IC₅₀ & Target	TLR7	TLR8

REFERENCES

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

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