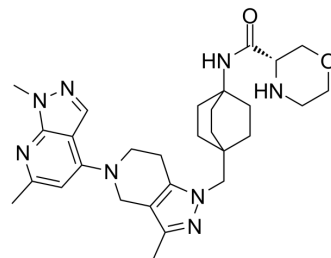


TLR7/8-IN-1

Cat. No.:	HY-139323		
CAS No.:	2205095-75-4		
Molecular Formula:	C ₂₉ H ₄₀ N ₈ O ₂		
Molecular Weight:	532.68		
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 : 12.5 mg/mL (23.47 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	1.8773 mL	9.3865 mL	18.7730 mL	
		5 mM	0.3755 mL	1.8773 mL	3.7546 mL	
10 mM		0.1877 mL	0.9386 mL	1.8773 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: ≥ 1.25 mg/mL (2.35 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (2.35 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (2.35 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	TLR7/8-IN-1 is a crystalline form of a TLR7/TLR8 inhibitor extracted from patent WO2019220390, compound 2b. TLR7/8-IN-1 can be used for the research of autoimmune disease ^[1] .	
IC₅₀ & Target	TLR7	TLR8
In Vitro	TLR7/8-IN-1 is a crystalline form of a TLR7/TLR8 inhibitor. TLR7/8-IN-1 can be used for the research of autoimmune disease ^[1] .	

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. WO2019220390

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

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