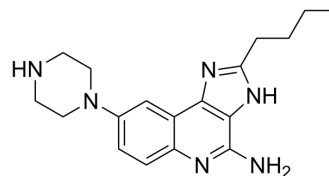


TLR7/8 agonist 4

Cat. No.:	HY-139017
CAS No.:	2388520-33-8
Molecular Formula:	C ₁₈ H ₂₄ N ₆
Molecular Weight:	324.42
Target:	Toll-like Receptor (TLR)
Pathway:	Immunology/Inflammation
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (308.24 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	3.0824 mL	15.4121 mL	30.8242 mL
		5 mM	0.6165 mL	3.0824 mL	6.1648 mL
	10 mM	0.3082 mL	1.5412 mL	3.0824 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 4.5 mg/mL (13.87 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 4.5 mg/mL (13.87 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 4.5 mg/mL (13.87 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	TLR7/8 agonist 4 (compound 41) is a potent TLR7/8 agonist. TLR7/8 agonist 4 has anti-cancer activity ^[1] .	
IC₅₀ & Target	TLR7	TLR8

REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA