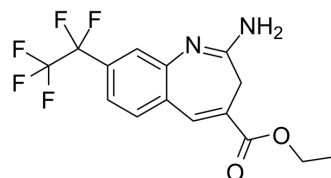


Toll-like receptor modulator

Cat. No.:	HY-10018		
CAS No.:	926927-42-6		
Molecular Formula:	C ₁₅ H ₁₃ F ₅ N ₂ O ₂		
Molecular Weight:	348.27		
Target:	Toll-like Receptor (TLR)		
Pathway:	Immunology/Inflammation		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (287.13 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.8713 mL	14.3567 mL	28.7134 mL
	5 mM	0.5743 mL	2.8713 mL	5.7427 mL
	10 mM	0.2871 mL	1.4357 mL	2.8713 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: ≥ 3.5 mg/mL (10.05 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 3.5 mg/mL (10.05 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 3.5 mg/mL (10.05 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Toll-like receptor modulator is a modulator of TLR7/8, which modulates immune function.

IC₅₀ & Target

TLR7/8^[1]

In Vitro

Toll-like receptor modulator (Compound 7) is a modulator of TLR7/8, which modulates immune function^[1].
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Doherty, George A, et al. 8-substituted benzoazepines as toll-like receptor modulators. US 8153622 B2.

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

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