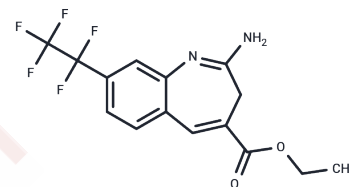


Toll-like receptor modulator

Chemical Properties

CAS No. :	926927-42-6
Formula:	C ₁₅ H ₁₃ F ₅ N ₂ O ₂
Molecular Weight:	348.27
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Toll-like receptor modulator is a TLR7/8 modulator that regulates immune function.
Targets(IC50)	TLR
In vitro	Toll-like receptor modulator is a TLR7/8 modulator, which modulates immune function.

Solubility Information

Solubility	DMSO: 100 mg/mL (287.13 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 4 mg/mL (11.49 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0574 mL	0.2871 mL	0.5743 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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

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