

TL8-506

Chemical Properties

CAS No. : 1268163-15-0

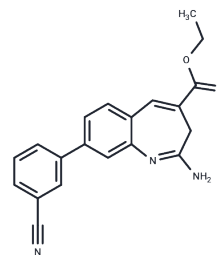
Formula: C₂₀H₁₇N₃O₂

Molecular Weight: 331.37

Store at low temperature

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	TL8-506 is a selective and potent TLR8 agonist that induces cytokine and chemokine production. TL8-506 alleviates inflammation and autoimmune diseases.
Targets(IC50)	Antibacterial, Interleukin, TLR
In vitro	TL8-506 is a highly selective TLR8 agonist with a half-maximal effective concentration (EC50) of 30 nM. [1]

Solubility Information

Solubility	DMSO: 10 mg/mL (30.18 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0178 mL	15.0889 mL	30.1777 mL
5 mM	0.6036 mL	3.0178 mL	6.0355 mL
10 mM	0.3018 mL	1.5089 mL	3.0178 mL
50 mM	0.0604 mL	0.3018 mL	0.6036 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

Tang J, et al. Toll-Like Receptor 8 Agonist Strengthens the Protective Efficacy of ESAT-6 Immunization to Mycobacterium tuberculosis Infection. Front Immunol. 2018 Jan 24;8:1972.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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