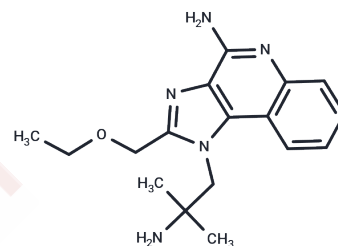


TLR7/8 agonist 3

Chemical Properties

CAS No. :	642473-95-8
Formula:	C ₁₇ H ₂₃ N ₅ O
Molecular Weight:	313.4
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	TLR7/8 agonist 3 is a potent activator of TLR7 and TLR8.
Targets(IC50)	TLR

Solubility Information

Solubility	DMSO: 35 mg/mL (111.68 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: 2 mg/mL (6.38 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	3.1908 mL	15.9541 mL	31.9081 mL
5 mM	0.6382 mL	3.1908 mL	6.3816 mL
10 mM	0.3191 mL	1.5954 mL	3.1908 mL
50 mM	0.0638 mL	0.3191 mL	0.6382 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

Martha A. MILLER, et al. Vaccine compositions and methods of use to treat neonatal subjects.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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