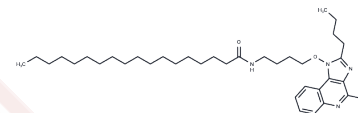


Telratolimod

Chemical Properties

CAS No. :	1359993-59-1
Formula:	C ₃₆ H ₅₉ N ₅ O ₂
Molecular Weight:	593.89
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	Telratolimod (MEDI9197) is a toll-like receptors 7/8 agonist. It has an antitumor activity.
Targets(IC50)	TLR
In vivo	Telratolimod (50 µg) suppresses the tumor volume and more effectively blocks tumor growth in combination with CpG ODN in BALB/c mice bearing CT26 colon carcinoma cells. Telratolimod (100 µg) plus 200 µg of CpG ODN slows tumor growth and prolongs the survival of mice bearing large tumors [1].

Solubility Information

Solubility	DMSO: 1.8 mg/mL (3.03 mM),Sonication is recommended. Ethanol: 12.5 mg/mL (21.05 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	1.6838 mL	8.4191 mL	16.8381 mL
5 mM	0.3368 mL	1.6838 mL	3.3676 mL
10 mM	0.1684 mL	0.8419 mL	1.6838 mL
50 mM	0.0337 mL	0.1684 mL	0.3368 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

Zhao BG, et al. Combination therapy targeting toll like receptors 7, 8 and 9 eliminates large established tumors. J Immunother Cancer. 2014 May 13;2:12.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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