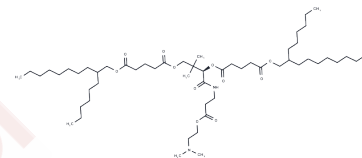


Lipid I97

Chemical Properties

CAS No. :	3046404-81-0
Formula:	C55H102N2O11
Molecular Weight:	967.41
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	Lipid I97 is an ionizable cationic lipid derived from vitamin B5 with a pKa of 6.23. It has been utilized in the formation of lipid nanoparticles (LNPs) for mRNA delivery in vivo. In mice, LNPs with lipid I97 encapsulating luciferase mRNA specifically accumulate in the spleen and lymph nodes. Additionally, LNPs containing lipid I97 with mRNA encoding hemagglutinin A trigger the production of IgG1 and IgG2 in mice.
Targets(IC50)	Others,Liposome

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0337 mL	5.1684 mL	10.3369 mL
5 mM	0.2067 mL	1.0337 mL	2.0674 mL
10 mM	0.1034 mL	0.5168 mL	1.0337 mL
50 mM	0.0207 mL	0.1034 mL	0.2067 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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