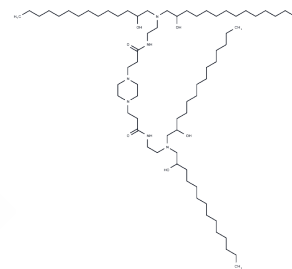


Lipid C2

Chemical Properties

CAS No. :	3003022-09-8
Formula:	C70H142N6O6
Molecular Weight:	1163.91
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 C2 is an ionizable cationic lipid utilized in the formation of lipid nanoparticles (LNP) for the delivery of mRNA in vivo. LNPs containing Lipid C2 and encapsulating mRNA reporter genes specifically accumulate in the liver and spleen of mice, while avoiding the heart, lungs, and kidneys. Additionally, LNPs with Lipid C2 that encapsulate mRNA encoding Epstein-Barr virus (EBV) protein Latent Membrane Protein 2 (LMP-2), when combined with anti-programmed cell death protein 1 (PD-1) antibodies, have been shown to reduce tumor size, reverse T cell exhaustion, increase the percentage of CD3+CD8+ central T cells and CD3+CD8+ effector memory T cells in the spleen, and decrease the percentage of CD3+T cells expressing Pd-1 in a CT26 mouse model of EBV-infected colon cancer.
Targets(IC50)	Liposome

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8592 mL	4.2959 mL	8.5917 mL
5 mM	0.1718 mL	0.8592 mL	1.7183 mL
10 mM	0.0859 mL	0.4296 mL	0.8592 mL
50 mM	0.0172 mL	0.0859 mL	0.1718 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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