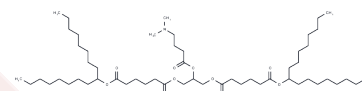


Lipid TG4C

Chemical Properties

CAS No. : 3028336-07-1
 Formula: C55H103NO10
 Molecular Weight: 938.41
 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 TG4C, an ionizable cationic glycerolipid (pKa = 6.71), has been utilized for creating lipid nanoparticles (LNPs) designed to deliver mRNA in vivo. In mice, these LNPs containing lipid TG4C and mRNA encoding human erythropoietin (EPO) result in increased serum EPO levels. Additionally, inhalation of LNPs with lipid TG4C carrying mRNA for human hepatocyte growth factor (HGF) decreases levels of IL-1 β , IL-6, and Tnf- α in bronchoalveolar lavage fluid (BALF) in a mouse model of pulmonary emphysema induced by porcine pancreatic elastase.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0656 mL	5.3282 mL	10.6563 mL
5 mM	0.2131 mL	1.0656 mL	2.1313 mL
10 mM	0.1066 mL	0.5328 mL	1.0656 mL
50 mM	0.0213 mL	0.1066 mL	0.2131 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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