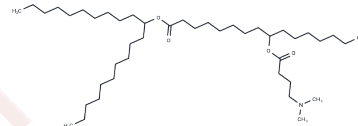


Lipid 11

Chemical Properties

CAS No. :	2758820-82-3
Formula:	C43H85NO4
Molecular Weight:	680.14
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 11 (Compound Lipid 1) is a cationic lipid designed for nucleic acid delivery. It forms lipid nanoparticles (LNPs) through electrostatic interactions with nucleic acids, such as ceDNA. By using its cationic amine groups, Lipid 11 complexes with negatively charged nucleic acids, enabling cellular uptake and release of the nucleic acid cargo. Lipid 11 shows potential for use in the development of gene therapy drug delivery systems.
Targets(IC50)	Liposome

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4703 mL	7.3514 mL	14.7029 mL
5 mM	0.2941 mL	1.4703 mL	2.9406 mL
10 mM	0.147 mL	0.7351 mL	1.4703 mL
50 mM	0.0294 mL	0.147 mL	0.2941 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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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481