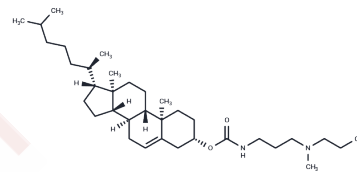


MHAPC-Chol

Chemical Properties

CAS No. :	1027801-74-6
Formula:	C34H60N2O3
Molecular Weight:	544.85
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	MHAPC-Chol is a cationic cholesterol. MHAPC-Chol, as part of a lipoplex with DOPE, has been used for siRNA delivery and gene silencing in MCF-7 cells in a luciferase assay without affecting cell viability. It has also been used to deliver siRNA into mice via intravenous injection, resulting in MHAPC-chol accumulation in the liver.
Targets(IC50)	Others

Solubility Information

Solubility	Ethanol: 10 mg/mL (18.35 mM), Sonication is recommended. Ethanol:PBS (pH 7.2) (1:6): 0.14 mg/mL (0.26 mM), Sonication is recommended. DMF: 10 mg/mL (18.35 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	1.8354 mL	9.1768 mL	18.3537 mL
5 mM	0.3671 mL	1.8354 mL	3.6707 mL
10 mM	0.1835 mL	0.9177 mL	1.8354 mL
50 mM	0.0367 mL	0.1835 mL	0.3671 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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