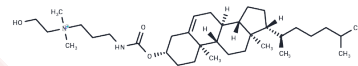


DMHAPC-Chol

Chemical Properties

CAS No. :	794494-38-5
Formula:	C35H63N2O3
Molecular Weight:	559.89
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	DMHAPC-Chol is a cationic cholesterol. Liposomes containing DMHAPC-chol have been used for DNA plasmid delivery in vitro and in vivo in a B16-F10 mouse xenograft model. Liposomes containing DMHAPC-chol are cytotoxic to B16-F10 cells when used at lipid concentrations greater than 20 μM. DMHAPC-Chol, as part of a lipoplex with DOPE, has also been used to deliver DNA into mouse lung via intratracheal injection, resulting in a heterogeneous distribution in the bronchi and bronchioles, and to deliver VEGF siRNA into A431 and MDA-MB-231 cells, which secrete VEGF.
Targets(IC50)	Others

Solubility Information

Solubility	DMF: 10 mg/mL (17.86 mM), Sonication is recommended. Ethanol: 10 mg/mL (17.86 mM), Sonication is recommended. Ethanol:PBS (pH 7.2) (1:6): 0.14 mg/mL (0.25 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	1.7861 mL	8.9303 mL	17.8607 mL
5 mM	0.3572 mL	1.7861 mL	3.5721 mL
10 mM	0.1786 mL	0.893 mL	1.7861 mL
50 mM	0.0357 mL	0.1786 mL	0.3572 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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