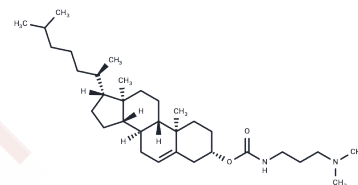


DMPAC-Chol

Chemical Properties

CAS No. :	184582-91-0
Formula:	C33H58N2O2
Molecular Weight:	514.83
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	DMPAC-Chol is a cationic cholesterol derivative that has been used in liposome formation for gene transfection. Liposomes containing DMPAC-chol bind to DNA in a band shift assay and protect against serum nuclease degradation of DNA when used at liposome:DNA ratios ranging from 2.5:1 to 10:1 w/w. DMPAC-Chol-containing liposomes also reduce viability of HepG2 cells by 63% when used at a concentration of 37.5 µg/ml.
Targets(IC50)	Others,Liposome

Solubility Information

Solubility	Ethanol: 10 mg/mL (19.42 mM),Sonication is recommended. Ethanol:PBS (pH 7.2) (1:6): 0.14 mg/mL (0.27 mM),Sonication is recommended. DMF: 10 mg/mL (19.42 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	1.9424 mL	9.7119 mL	19.4239 mL
5 mM	0.3885 mL	1.9424 mL	3.8848 mL
10 mM	0.1942 mL	0.9712 mL	1.9424 mL
50 mM	0.0388 mL	0.1942 mL	0.3885 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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