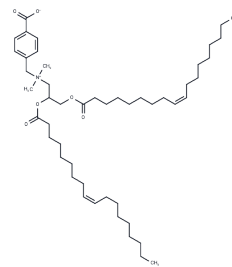


DOBAQ

Chemical Properties

CAS No. :	1360461-69-3
Formula:	C49H83NO6
Molecular Weight:	782.19
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	DOBAQ is a cationic lipid and a pH-sensitive lipid. DOBAQ can be used in liposomes for drug delivery.
Targets(IC50)	Liposome

Solubility Information

Solubility	DMSO: 2 mg/mL (2.56 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	1.2785 mL	6.3923 mL	12.7846 mL
5 mM	0.2557 mL	1.2785 mL	2.5569 mL
10 mM	0.1278 mL	0.6392 mL	1.2785 mL
50 mM	0.0256 mL	0.1278 mL	0.2557 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.

Reference

Oskar Stauffer, et al. Microfluidic production and characterization of biofunctionalized giant unilamellar vesicles for targeted intracellular cargo delivery. Biomaterials. 2021 Jan;264:120203.

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