

## DLinDMA

## Chemical Properties

CAS No. : 871258-12-7

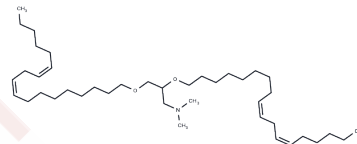
Formula: C<sub>41</sub>H<sub>77</sub>N<sub>2</sub>O<sub>2</sub>

Molecular Weight: 616.06

Store under nitrogen, Store at low temperature, Keep away from moisture

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	DLinDMA, as a benchmark, is a key stable nucleic acid lipid particleslipid component.
Targets(IC50)	Others,Liposome

## Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble), Ethanol: 100 mg/mL (162.32 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	1.6232 mL	8.1161 mL	16.2322 mL
5 mM	0.3246 mL	1.6232 mL	3.2464 mL
10 mM	0.1623 mL	0.8116 mL	1.6232 mL
50 mM	0.0325 mL	0.1623 mL	0.3246 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

Semple SC, et al. Rational design of cationic lipids for siRNA delivery. Nat Biotechnol. 2010 Feb;28(2):172-6.

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