

## DLIN-MC2-DMA

## Chemical Properties

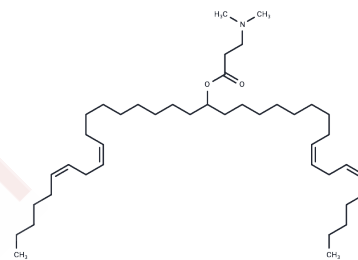
CAS No. : 1221271-55-1

Formula: C42H77NO2

Molecular Weight: 628.07

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	DLIN-MC2-DMA (DLin-M-C2-DMA) is a lipid membrane and a potential nucleic acid carrier.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 80 mg/mL (127.37 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (5.25 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5922 mL	7.9609 mL	15.9218 mL
5 mM	0.3184 mL	1.5922 mL	3.1844 mL
10 mM	0.1592 mL	0.7961 mL	1.5922 mL
50 mM	0.0318 mL	0.1592 mL	0.3184 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

Michael J, et al. Improved amino lipids and methods for the delivery of nucleic acids. WO2010042877A1.

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