

## Lipid 6

## Chemical Properties

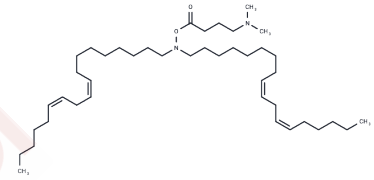
CAS No. : 2226547-22-2

Formula: C42H78N2O2

Molecular Weight: 643.08

The compound is unstable in solution. Please use soon

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	Lipid 6 (D-Lin-MC3-DMA) is an ionizable lipid and key component of Lipid Nanoparticles (LNPs). It enables nucleic acid encapsulation and delivery in mRNA vaccine research.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 80 mg/mL (124.4 mM), Sonication is recommended. The compound is unstable in solution. Please use soon. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.555 mL	7.7751 mL	15.5502 mL
5 mM	0.311 mL	1.555 mL	3.110 mL
10 mM	0.1555 mL	0.7775 mL	1.555 mL
50 mM	0.0311 mL	0.1555 mL	0.311 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

Ramishetti S, Hazan-Halevy I, Palakuri R, et al. A Combinatorial Library of Lipid Nanoparticles for RNA Delivery to Leukocytes. Adv Mater. 2020;32(12):e1906128.

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