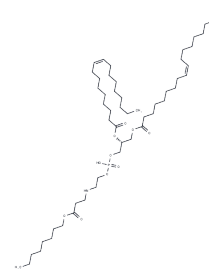


## DOPE-C8

## Chemical Properties

CAS No. :	3081750-70-8
Formula:	C52H98NO10P
Molecular Weight:	928.31
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	DOPE-C8 is a zwitterionic phospholipid derived from DOPE, used to generate lipid nanoparticles (LNPs) for in vivo mRNA delivery.
Targets(IC50)	Liposome

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0772 mL	5.3861 mL	10.7723 mL
5 mM	0.2154 mL	1.0772 mL	2.1545 mL
10 mM	0.1077 mL	0.5386 mL	1.0772 mL
50 mM	0.0215 mL	0.1077 mL	0.2154 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

Iwakawa K, et al. Cubic Phase-Inducible Zwitterionic Phospholipids Improve the Functional Delivery of mRNA. Adv Sci (Weinh). 2025 May;12(17):e2413016.

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