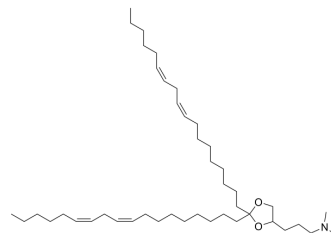


DLin-K-C3-DMA

Cat. No.:	HY-145225		
CAS No.:	1217306-46-1		
Molecular Formula:	C ₄₄ H ₈₁ NO ₂		
Molecular Weight:	656.12		
Target:	Liposome		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (152.41 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	1.5241 mL	7.6206 mL	15.2411 mL
	5 mM	0.3048 mL	1.5241 mL	3.0482 mL
	10 mM	0.1524 mL	0.7621 mL	1.5241 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.81 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (3.81 mM); Suspended solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.81 mM); Clear solution 			

BIOLOGICAL ACTIVITY

Description	DLin-K-C3-DMA, a cationic lipid, can be used in the synthesis of nucleic acid-lipid particle to delivery of nucleic acid ^[1] .
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REFERENCES

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

Caution: Product has not been fully validated for medical applications. For research use only.

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