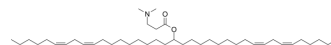


DLin-M-K-DMA

Cat. No.:	HY-154803		
CAS No.:	1221271-55-1		
Molecular Formula:	C ₄₂ H ₇₇ NO ₂		
Molecular Weight:	628.07		
Target:	Others		
Pathway:	Others		
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 (159.22 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	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
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.98 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (3.98 mM); Suspended solution; Need ultrasonic				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.98 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	DLin-M-K-DMA (DLin-M-C2-DMA) is a cationic lipid that can be used in the construction of biological delivery vectors ^[1] .
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REFERENCES

[1]. Michael J, 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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