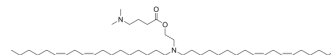


Lipid 8

Cat. No.:	HY-150118
CAS No.:	2226547-25-5
Molecular Formula:	C ₄₄ H ₈₂ N ₂ O ₂
Molecular Weight:	671.13
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (149.00 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	1.4900 mL	7.4501 mL	14.9002 mL
		5 mM	0.2980 mL	1.4900 mL	2.9800 mL
	10 mM	0.1490 mL	0.7450 mL	1.4900 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 (3.73 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (3.73 mM); Suspended solution; Need ultrasonic				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.73 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Lipid 8 is an ionizable amino lipid used for the generation of Lipid nanoparticles (LNPs).
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REFERENCES

[1]. 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.

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

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