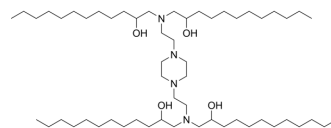


1,1',1'',1'''-[1,4-Piperazinediylbis(2,1-ethanediylnitrilo)]tetrakis[2-dodecanol]

Cat. No.:	HY-112773		
CAS No.:	1265904-26-4		
Molecular Formula:	C ₅₆ H ₁₁₆ N ₄ O ₄		
Molecular Weight:	909.54		
Target:	Liposome		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (27.49 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.0995 mL	5.4973 mL	10.9946 mL
	5 mM	0.2199 mL	1.0995 mL	2.1989 mL
	10 mM	0.1099 mL	0.5497 mL	1.0995 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

1,1',1'',1'''-[1,4-Piperazinediylbis(2,1-ethanediylnitrilo)]tetrakis[2-dodecanol] is a lipid/lipidoid used in preparation of lipid-based or lipidoid nanoparticles^[1].

REFERENCES

[1]. Miller AD. Delivery of RNAi therapeutics: work in progress. Expert Rev Med Devices. 2013;10(6):781-811.

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

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