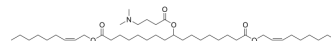


L319

Cat. No.:	HY-139298		
CAS No.:	1351586-50-9		
Molecular Formula:	C ₄₁ H ₇₅ NO ₆		
Molecular Weight:	678.04		
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 (147.48 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.4748 mL	7.3742 mL	14.7484 mL
5 mM	0.2950 mL	1.4748 mL	2.9497 mL
10 mM	0.1475 mL	0.7374 mL	1.4748 mL

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

BIOLOGICAL ACTIVITY

Description

L319 is an ionizable cationic lipidoid and can be used for synthetic liposomes, from the patent WO-2011153493-A2, compound 1^[1].

In Vitro

L319 (Di((Z)-Non-2-en-1-yl) 9-((4-(dimethylamino)butanoyl)oxy)heptadecanedioate) can be used for synthetic liposomes^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Biodegradable lipids for the delivery of active agents. WO2011153493A2

[2]. Maier MA, Jayaraman M, Matsuda S, et al. Biodegradable lipids enabling rapidly eliminated lipid nanoparticles for systemic delivery of RNAi therapeutics. Mol Ther. 2013;21(8):1570-1578.

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

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