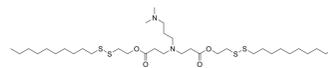


80-O14B

Cat. No.:	HY-156448		
CAS No.:	1624618-01-4		
Molecular Formula:	C ₃₅ H ₇₀ N ₂ O ₄ S ₄		
Molecular Weight:	711.2		
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 (140.61 mM; ultrasonic and warming and heat to 80°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.4061 mL	7.0304 mL	14.0607 mL
	5 mM	0.2812 mL	1.4061 mL	2.8121 mL
	10 mM	0.1406 mL	0.7030 mL	1.4061 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 2.5 mg/mL (3.52 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (3.52 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

80-O14B is an cationic lipid-like compound for CRISPR/Cas9 delivery^[1].

REFERENCES

[1]. Zhang Feng, et al. Engineering Cpf1 nucleases and viral vectors for delivery of these CRISPR-Cas effector proteins for gene editing and therapeutic applications. World Intellectual Property Organization, WO2018035388 A1 2018-02-22

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

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