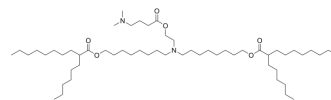


## Lipid 14

Cat. No.:	HY-153377		
CAS No.:	2430034-05-0		
Molecular Formula:	C <sub>56</sub> H <sub>110</sub> N <sub>2</sub> O <sub>6</sub>		
Molecular Weight:	907.48		
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 (110.20 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.1020 mL	5.5098 mL	11.0195 mL
5 mM	0.2204 mL	1.1020 mL	2.2039 mL
10 mM	0.1102 mL	0.5510 mL	1.1020 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Lipid 14 is a potent ionizable lipid and can be used to synthesize lipid nanoparticles (LNPs)<sup>[1]</sup>.

### REFERENCES

[1]. Elia U, et al. Design of SARS-CoV-2 hFc-Conjugated Receptor-Binding Domain mRNA Vaccine Delivered via Lipid Nanoparticles. ACS Nano. 2021 Jun 22;15(6):9627-9637.

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

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