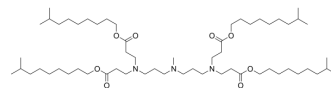


3060i10

Cat. No.:	HY-151507
CAS No.:	2322290-93-5
Molecular Formula:	C ₅₉ H ₁₁₅ N ₃ O ₈
Molecular Weight:	994.56
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 200 mg/mL (201.09 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		1.0055 mL	5.0273 mL	10.0547 mL
		5 mM		0.2011 mL	1.0055 mL	2.0109 mL
	10 mM		0.1005 mL	0.5027 mL	1.0055 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: 5 mg/mL (5.03 mM); Clear solution; Need ultrasonic 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 5 mg/mL (5.03 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	3060i10 is a branched-chain ionizable lipidoid that can be used for constructing lipid nanoparticles (LNPs) for the delivery of messenger RNA ^[1] .
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REFERENCES

[1]. Hajj K A. Lipid Nanoparticle Systems for the Delivery of Messenger RNA. Carnegie Mellon University, 2019.

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

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