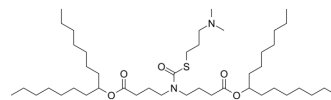


mRNA-Encapsulating Lipid Excipient 1

Cat. No.:	HY-149167		
CAS No.:	2230647-37-5		
Molecular Formula:	C ₄₄ H ₈₆ N ₂ O ₅ S		
Molecular Weight:	755.23		
Target:	Liposome; Biochemical Assay Reagents		
Pathway:	Metabolic Enzyme/Protease; Others		
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 : 2 mg/mL (2.65 mM; ultrasonic and warming and heat to 60°C)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.3241 mL	6.6205 mL	13.2410 mL
	5 mM	---	---	---
	10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

mRNA-Encapsulating Lipid Excipient 1 (Compound 2) is a Thiocarbamate-Based Ionizable Lipid. mRNA-Encapsulating Lipid Excipient 1 can be used as an excipient in mRNA-encapsulating lipid nanoparticle^[1].

REFERENCES

[1]. Kumar Rajappan, et al. Development of a Safe and Scalable Process for the Production of a High-Purity Thiocarbamate-Based Ionizable Lipid as an Excipient in mRNA-Encapsulating Lipid Nanoparticles. Org. Process Res. Dev. 2021, 25, 6, 1383-1390.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA