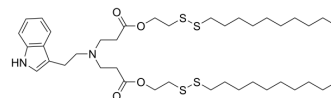


NT1-014B

Cat. No.:	HY-137500
CAS No.:	2739805-64-0
Molecular Formula:	C ₄₀ H ₆₈ N ₂ O ₄ S ₄
Molecular Weight:	769
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 150 mg/mL (195.06 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.3004 mL	6.5020 mL	13.0039 mL
	5 mM	0.2601 mL	1.3004 mL	2.6008 mL
	10 mM	0.1300 mL	0.6502 mL	1.3004 mL

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

BIOLOGICAL ACTIVITY

Description

NT1-014B is a potent NT1-lipidoid encapsulated AmB (amphotericin B). NT1-014B dopes the NT-lipidoids into BBB-impermeable lipid nanoparticles (LNPs) gave the LNPs the ability to cross the BBB. NT1-014B enhances brain delivery through intravenous injection^[1].

REFERENCES

[1]. Ma F, et al. Neurotransmitter-derived lipidoids (NT-lipidoids) for enhanced brain delivery through intravenous injection. *Sci Adv.* 2020 Jul 24;6(30):eabb4429.

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

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