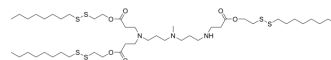


306-O12B-3

Cat. No.: HY-137501
Molecular Formula: C₄₆H₉₁N₃O₆S₆
Molecular Weight: 974.62
Target: Liposome
Pathway: Metabolic Enzyme/Protease
Storage: -20°C, stored under nitrogen
 * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 3.33 mg/mL (3.42 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.0260 mL	5.1302 mL	10.2604 mL
	5 mM		---	---	---
	10 mM		---	---	---

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

BIOLOGICAL ACTIVITY

Description

306-O12B-3 is a lipidoid that can efficiently deliver ASO both in vitro and in vivo. 306-O12B-3 is used to transport small molecule drugs across the blood-brain barrier (BBB)^[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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