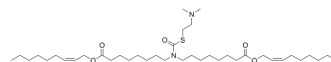


ATX-002

Cat. No.:	HY-142654		
CAS No.:	1777792-34-3		
Molecular Formula:	C ₃₉ H ₇₂ N ₂ O ₅ S		
Molecular Weight:	681.06		
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 : 25 mg/mL (36.71 mM; ultrasonic and warming and heat to 60°C)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.4683 mL	7.3415 mL	14.6830 mL
	5 mM	0.2937 mL	1.4683 mL	2.9366 mL
	10 mM	0.1468 mL	0.7341 mL	1.4683 mL

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

BIOLOGICAL ACTIVITY

Description

ATX-002 is an ionizable cationic lipid for RNA drug delivery. The calculated pKa (c-pKa) and measured pKa values for ATX-002 are 8.68 and 6.03, respectively^[1].

REFERENCES

[1]. Rajappan K, et al. Property-Driven Design and Development of Lipids for Efficient Delivery of siRNA. J Med Chem. 2020 Nov 12;63(21):12992-13012.

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