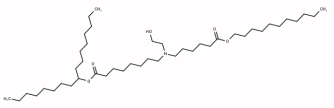
SM-102

Cat. No.: **SN-M-LM410**

Chemical Properties

Product Name	SM-102
Full Name	heptadecan-9-yl 8-[2-hydroxyethyl-(6-oxo-6-undecoxyhexyl)amino]octanoate
Cat. No.	SN-M-LM410
CAS No.	2089251-47-6
Molecular Formula	C44H87NO5
Molecular Weight	710.165
Appearance	Liquid
Storage	Pure form: -20°C for 3 years | In solvent: -80°C for 1 year
Shipping	Shipping with blue ice/Shipping at ambient temperature.
Solubility	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2.00 mg/mL (2.82 mM), Sonication is recommended. | DMSO: 55.00 mg/mL (77.45 mM), Sonication is recommended. | Ethanol: 100.00 mg/mL (140.81 mM), Sonication
Purity	98+%

Structure



Biological Description

SM-102 is the only ionizable amino cationic lipid currently clinically approved for RNA therapeutics and can be used to synthesize lipid nanoparticles (LNPs). It shows potential in the development of LNPs for the delivery of mRNA-based vaccines.

Related Products / Keywords

- vaccines
- SM-102
- SM102
- SM 102
- mRNA
- lipid nanoparticle
- Inhibitor
- inhibit

This product is a research reagent and must not be used for clinical validation or human therapeutic use.