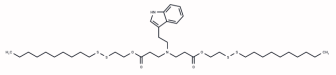
NT1-O14B

Cat. No.: **SN-M-LM4737**

Chemical Properties

Product Name	NT1-O14B
Full Name	2-(decyldisulfanyl)ethyl 3-[[3-[2-(decyldisulfanyl)ethoxy]-3-oxopropyl]-[2-(1H-indol-3-yl)ethyl]amino]propanoate
Cat. No.	SN-M-LM4737
CAS No.	2739805-64-0
Molecular Formula	C40H68N2O4S4
Molecular Weight	769.24
Appearance	Oil
Storage	Store at low temperature,Keep away from direct sunlight
Shipping	Shipping with blue ice/Shipping at ambient temperature.
Solubility	10% DMSO+90% Saline: 10 mg/mL (13 mM), Solution. | DMSO: 150 mg/mL (195 mM), Sonication is recommended.
Purity	98+%

Structure



Biological Description

NT1-O14B is a novel class of neurotransmitter tryptophan lipids (NT-lipidoids).NT1-O14B can be combined with small molecule drugs (e.g., AmB) and biomolecules (e.g., Tau-ASO) and gene editing proteins (GFP-Cre) to form new neurotransmitter-derived lipid nanoparticles (NT-LNPs) that have blood-brain-barrier (BBB) permeability. Enhanced lipid hydrophobicity and membrane fusion capabilities are commonly used for delivery of nucleic acids such as mRNA, siRNA and DNA.

Related Products / Keywords

- NT1-O14B
- NT1 O14B

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