

Product Data Sheet

Product Name: NT1-O14B

Cat. No.: GC52022

Chemical Properties

Cas. No. 2739805-64-0

SMILES O=C(OCCSSCCCCCCCCC)CCN(CCC1=CNC2=C1C=CC=C2)CCC(OCCSSCCCCC
CCCC)=O

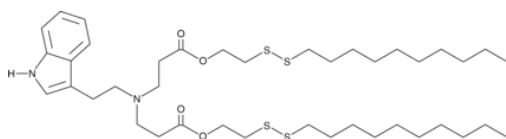
Formula $C_{40}H_{68}N_2O_4S_4$ M.Wt 769.2

Solubility DMSO : 150 mg/mL (195.00 mM; Storage -20°C
Need ultrasonic)

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

NT1-O14B is a tryptamine-containing cationic lipidoid.¹ It has been used in combination with other lipids in the formation of lipid nanoparticles (LNPs). Intravenous administration of LNPs containing NT1-O14B and encapsulating antisense nucleotides against tau decreases tau brain levels in mice.

1. Ma, F., Yang, L., Sun, Z., et al. Neurotransmitter-derived lipidoids (NT-lipidoids) for enhanced brain delivery through intravenous injection. *Sci. Adv.* 6(30):eabb4429(2020)

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

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