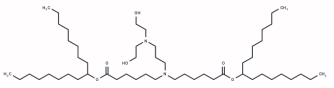
Lipid U 105

Cat. No.: **SN-M-LM1230**

Chemical Properties

Product Name	Lipid U 105
Full Name	heptadecan-9-yl 6-[3-[bis(2-hydroxyethyl)amino]propyl-(6-heptadecan-9-yloxy-6-oxohexyl)amino]hexanoate
Cat. No.	SN-M-LM1230
CAS No.	3049129-14-5
Molecular Formula	C53H106N2O6
Molecular Weight	867.42
Storage	Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Shipping	Shipping with blue ice/Shipping at ambient temperature.
Purity	98+%

Structure



Biological Description

Lipid U 105, an ionizable cationic lipid (pKa = 6.65), is employed in formulating lipid nanoparticles (LNPs) for delivering circular RNA both in vitro and in vivo. These LNPs, containing lipid U 105 and circular RNA for VEGF-A, enhance VEGF-A levels, boosting the proliferation and migration of human umbilical vein endothelial cells (HUVECs). Moreover, applying these LNPs topically accelerates wound healing in diabetic mice on a high-fat and -sugar diet.

Related Products / Keywords

- Lipid U 105

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