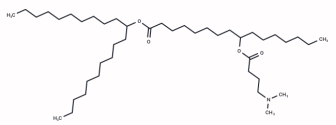
Lipid 11

Cat. No.: **SN-M-LM1218**

Chemical Properties

Product Name	Lipid 11
Full Name	henicosan-11-yl 9-[4-(dimethylamino)butanoyloxy]hexadecanoate
Cat. No.	SN-M-LM1218
CAS No.	2758820-82-3
Molecular Formula	C43H85NO4
Molecular Weight	680.14
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 11 (Compound Lipid 1) is a cationic lipid designed for nucleic acid delivery. It forms lipid nanoparticles (LNPs) through electrostatic interactions with nucleic acids, such as ceDNA. By using its cationic amine groups, Lipid 11 complexes with negatively charged nucleic acids, enabling cellular uptake and release of the nucleic acid cargo. Lipid 11 shows potential for use in the development of gene therapy drug delivery systems.

Related Products / Keywords

- Lipid 11

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