

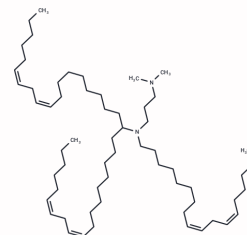
LNP Lipid-2

Cat. No.: SN-M-LM0080

Chemical Properties

Product Name	LNP Lipid-2
Full Name	N'-[(6Z,9Z,28Z,31Z)-heptatriaconta-6,9,28,31-tetraen-19-yl]-N,N-dimethyl-N'-[(9Z,12Z)-octadeca-9,12-dienyl]propane-1,3-diamine
Cat. No.	SN-M-LM0080
CAS No.	2036272-65-6
Molecular Formula	C60H112N2
Molecular Weight	861.55
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

LNP Lipid-2 is an ionizable amino lipid designed for lipid nanoparticle (LNP) formulation, featuring a tertiary amine headgroup that transitions between charged and neutral states depending on pH. In acidic conditions the lipid carries a positive charge, facilitating nucleic acid encapsulation, while at physiological pH it becomes near-neutral, reducing cytotoxicity. LNP Lipid-2 is utilized in non-viral nucleic acid delivery research for mRNA and siRNA encapsulation and transfection studies.

Related Products / Keywords

- LNP Lipid-2

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