



ML348@LNP-MAN, ML348 loaded lipid nanoparticle-mannose

Cat. No. R-LNP-M01

Lot. No. (See product label)

Alias	ML348@LNP-Mannose
Appearance	White or off-white powder or granules
Molecular Formula	N/A
Solubility	Soluble in organic solvents
Storage	-20°C, protected from light
Purity	95%+
Shelf Life	1 year
Shipping Condition	low temperature transport
Application	drug delivery
Specification	10mg : Inquiry 25mg : Inquiry 50mg : Inquiry
Description	ML348@LNP-MAN is a complex system constructed by combining the selective and reversible lysophospholipase 1 (LYPLA1) inhibitor ML348 with lipid nanoparticle (LNP) technology and equipped with mannose (MAN) targeting ligand. ML348 itself can inhibit LYPLA1 with an IC50 value of 210nM, and can also act on acyl protein thioesterase 1 (APT1), showing potential in related research such as Huntington's disease. LNP has a lipid bilayer structure, which can effectively wrap ML348, protect it from premature degradation, and help the drug cross the biological membrane barrier with its good biocompatibility. The

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introduction of MAN ligand gives the system targeting properties and can bind to specific mannose receptors on the cell surface, accurately delivering ML348 to target cells, improving the effectiveness of the drug, and has application prospects in the field of disease treatment and related mechanism research.

Supplier

Xi'an Ruixi

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