MAN-LNP@siRNA, mannose-modified lipid nanoparticles encapsulating small interfering RNA

Cat. No. R-SN-1606

Lot. No. (See product label)

Alias	Mannose-modified liposomes carrying siRNA (si-NC)
Appearance	Dispersion
Molecular Formula	N/A
Solubility	Dispersed in water
Storage	2-8°C, protected from light
Purity	95%+
Shelf Life	1 year
Shipping Condition	low temperature transport
Application	drug research and development
Specification	10mg：Inquiry 20mg：Inquiry 50mg：Inquiry
Description	MAN-LNP@siRNA is a gene delivery system developed based on lipid nanoparticle technology. As a carrier, lipid nanoparticles (LNP) have good biocompatibility, low immunity and high drug loading efficiency. They can effectively encapsulate siRNA and protect it from degradation by nucleases in the body. Mannose (MAN) modifies lipid nanoparticles, allowing the system to specifically recognize mannose receptors on the cell surface, achieving targeted delivery to specific cells or tissues, and improving the enrichment efficiency of siRNA in target cells. Small interfering RNA (siRNA) can specifically bind and degrade target

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	mRNA through the RNA interference (RNAi) mechanism, thereby inhibiting the expression of specific genes. This design that combines targeting and gene silencing functions makes MAN-LNP@siRNA promising in fields such as gene treatment and disease mechanism research.
Supplier	Xi'an Ruixi

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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