HSPC-CHOL LNP with $(NH_4)_2SO_4$ gradient

Cat. No. LNP-201

Lot. No. (See product label)

Product Name	HSPC-CHOL LNP with $(NH_4)_2SO_4$ gradient
Alias	Hydrogenated soybean phosphatidylcholine-cholesterol lipid nanoparticles with ammonium sulfate gradient (molar ratio 55: 45, particle size 100nm),
Size	10 mg; 20 mg; 50 mg
Appearance	Milky white homogeneous suspension
Solubility	It can be dispersed/diluted in isotonic buffer (such as HEPES buffered saline, PBS)to form a stable colloidal dispersion system
Description	HSPC-CHOL lipid nanoparticles with ammonium sulfate gradient are non-PEGylated liposome platforms designed for active loading of weakly basic drugs via transmembrane pH gradient. The high phase-transition temperature HSPC membrane combined with high cholesterol content provides excellent drug retention and low leakage. Used as a standardized tool for remote loading mechanism studies and pre-formulation research.
Applications	Preformulation studies of long-circulating nanomedicines
Storage	4°C, protected from light
Purity	95%+
Shelf Life	1 Year
Shipping Condition	Low temperature transport

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