



DSPC-CHOL LNP with $(\text{NH}_4)_2\text{SO}_4$ gradient

Cat. No. LNP-212

Lot. No. (See product label)

Product Name	DSPC-CHOL LNP with $(\text{NH}_4)_2\text{SO}_4$ gradient
Alias	Distearoylphosphatidylcholine-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 in isotonic buffer to form a stable colloidal dispersion system
Description	DSPC-CHOL lipid nanoparticles with ammonium sulfate gradient are active-loading liposome platforms built with fully synthetic DSPC and cholesterol. The chemically defined single-component phospholipid ensures high batch-to-batch reproducibility and superior membrane stability. Used for high-standard drug loading studies, release kinetics analysis, and advanced nanomedicine development.
Applications	Study on the mechanism of drug transmembrane transport and release kinetics
Storage	4°C, protected from light
Purity	95%+
Shelf Life	1 Year
Shipping Condition	Low temperature transport

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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