



DOTAP-DC-cholesterol cationic lipid nanoparticle

Cat. No. LNP-197

Lot. No. (See product label)

Product Name	DOTAP-DC-cholesterol cationic lipid nanoparticle
Alias	DOTAP-DC-cholesterol cationic LNP; Complex cationic lipid nanoparticle transfection reagent
Size	10 mg; 20 mg; 50 mg
Appearance	Milky white to translucent homogeneous suspension
Solubility	It can be dispersed in nuclease-free water or HEPES buffer to form a stable colloidal dispersion.
Description	DOTAP-DC-Cholesterol cationic lipid nanoparticles are dual-cationic lipid gene delivery systems combining DOTAP and DC-Cholesterol with helper lipids. The synergistic combination of two cationic lipids provides enhanced nucleic acid condensation, improved membrane fusion, and broad cell-type applicability. Suitable for advanced gene delivery applications including CRISPR-Cas9 component transfection.
Applications	In vitro delivery of the CRISPR-cas9 gene editing system
Storage	4°C, protected from light
Purity	95%+
Shelf Life	1 Year
Shipping Condition	Low temperature transport

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