

Cholesterol

Catalog Number: 26436

DESCRIPTION

Cholesterol is a sterol lipid used in lipid based nano delivery systems (LNPs, NLCs, SLNs, etc.) as it modulates membrane fluidity, stabilizes lipid bilayers, and facilitates cellular fusion of these vehicles. Cholesterol is an important component of mRNA vaccines.

SPECIFICATIONS

CAS Number	57-88-5
Purity	≥99%
Molecular Weight	386.65
Appearance	white solid
Storage	-20°C

PREPARATION

Cholesterol stock solutions can be prepared by dissolving in an organic solvent of choice. Cholesterol is soluble in chloroform (30 mg/ml), ethanol (25 mg/ml), and slightly soluble in DMSO. Once dissolved, the mixture can be stored at -20°C for up to 1 month.

