



Product Information

DOPC phospholipid-modified cholesterol liposomes

Cat. No.: X26-05-ZQ2560

Size: 100 mg; 250 mg; 500 mg; 1 g; 5 g

Synonym: DOPC/Chol liposomes; DOPC-modified cholesterol LPs; DOPC cholesterol lipid vesicles

This product is for research use only and is not intended for diagnostic use.

Product Information

Description	This high-purity synthetic model formulation features 1,2-dioleoyl-sn-glycero-3-phosphocholine blank liposomes modified with a precise molecular fraction of sterols (DOPC phospholipid-modified cholesterol liposomes). The vesicular matrix self-assembles from a detailed molecular blend of the highly fluid monounsaturated lipid 1,2-dioleoyl-sn-glycero-3-phosphocholine (DOPC) and high-purity cholesterol without containing active drug cargo. The integration of sterol molecules into the highly fluid, cis-kinked C18 oleoyl bilayer core restricts hydrocarbon tail mobility, creating localized liquid-ordered domains and modulating passive membrane permeability without inducing crystallographic phase separation.
Source	Custom synthesis
Functional Group	DOPC; Cholesterol
Form	Solid or powder
Purity	≥95%
Impurities	No visible impurities to the naked eye.
Identity	HPLC/MS/NMR
Stability	This product is stable for one year when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Storage	Store at -20°C.