

Product Information

15:0 PC liposomes

Cat. No.: X26-05-ZQ1788

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

Synonym: 15:0 PC LPs; Pentadecanoyl PC liposomes; 1,2-dipentadecanoyl-sn-glycero-3-phosphocholine liposomes

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

Product Information

Description	This custom synthetic formulation features 15:0 PC liposomes composed exclusively of 1,2-dipentadecanoyl-sn-glycero-3-phosphocholine, an odd-chain saturated lipid. The vesicular structure self-assembles into a highly uniform single-lipid bilayer profile with a defined main phase transition temperature of approximately 33-35°C. Because odd-chain saturated lipids are rare in native biological membranes, this formulation serves as a highly precise, non-interfering mass spectrometry and thermodynamic reference standard. The resulting single-component vesicles exhibit precise chemical purity, a highly narrow size distribution profile, and predictable packing characteristics under controlled laboratory temperature settings.
Source	Custom synthesis
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.