

Product Information

20:0 PC liposomes

Cat. No.: X26-05-ZQ1793

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

Synonym: 20:0 PC LPs; Arachidoyl PC liposomes; 1,2-diarachidoyl-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 20:0 PC liposomes composed exclusively of 1,2-dieicosanoyl-sn-glycero-3-phosphocholine, a long-chain saturated lipid. The vesicular structure self-assembles into an exceptionally rigid single-lipid bilayer profile with a high main phase transition temperature of approximately 64-66°C. This long-chain saturated composition forms a tightly packed, dense gel-phase bilayer matrix at ambient temperature, which provides maximum physical resistance against water penetration and completely restricts the passive leakage of encapsulated markers. The resulting single-component vesicles exhibit precise chemical purity, a highly narrow size distribution profile, and predictable rigid packing characteristics under controlled laboratory 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.