



Product Information

16:0 PC (DPPC) liposomes

Cat. No.: X26-05-ZQ1796

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

Synonym: 16:0 PC liposomes; DPPC liposomes; DPPC LPs; 1,2-dipalmitoyl-sn-glycero-3-phosphocholine liposomes

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

Product Information

Description	This fundamental synthetic formulation features 16:0 PC liposomes composed exclusively of dipalmitoylphosphatidylcholine (DPPC), a long-chain saturated lipid. The vesicular structure self-assembles into a highly uniform single-lipid bilayer profile with a well-defined main phase transition temperature (T_m) of exactly 41°C. This saturated composition forms a tightly packed, rigid gel-phase bilayer matrix at ambient temperature, which provides maximum physical resistance against water penetration and restricts the passive leakage of encapsulated markers.
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.