



Product Information

22:0 PC (DBPC) liposomes

Cat. No.: X26-05-ZQ1810

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

Synonym: 22:0 PC liposomes; DBPC liposomes; DBPC LPs; 1,2-dibehenoyl-sn-glycero-3-phosphocholine liposomes

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

Product Information

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| Description | This custom synthetic formulation features 22:0 PC liposomes composed exclusively of dibehenoylphosphatidylcholine (DBPC), 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 75°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. |
| 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. |