



Product Information

16:0 Diether PC liposomes

Cat. No.: X26-05-ZQ1821

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

Synonym: 16:0 Diether PC LPs; 16:0 Diether phosphocholine liposomes; 16:0 Diether PC liposomal nanocarriers

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

Product Information

Description This specialized formulation features single-component ether-linked lipid vesicles composed entirely of 1,2-di-O-hexadecyl-sn-glycero-3-phosphocholine (16:0 Diether PC). The structural framework replaces traditional ester bonds between the glycerol backbone and the palmityl chains with highly stable ether linkages, preventing chemical hydrolysis at the glycerol interface. This pure saturated diether matrix possesses high membrane rigidity at room temperature, forming a tightly packed gel-phase bilayer that demonstrates enhanced resistance to chemical and enzymatic degradation compared to native ester analogs.

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.