

## Product Information

### DOPC:Chol:DOPG:DOPE-PEG(2000) (60:30:5:5) liposomes

**Cat. No.:** X26-05-ZQ1817

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

**Synonym:** DOPC/Chol/DOPG/DOPE-PEG2000 (60:30:5:5) LPs; DOPC:Chol:DOPG:DOPE-PEG2000 60:30:5:5 liposomes; DOPC-Chol-DOPG-DOPE-PEG2000 60:30:5:5 LPs

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

#### Product Information

<b>Description</b>	This highly complex, multi-component formulation features dioleoylphosphatidylcholine (DOPC), cholesterol (Chol), dioleoylphosphatidylglycerol (DOPG), and dioleoylphosphatidylethanolamine-polyethylene glycol(2000) [DOPE-PEG(2000)] in a precise 60:30:5:5 molar ratio. The structural architecture combines a fluid neutral matrix base (DOPC) with a fluidity modulator (cholesterol), an anionic lipid component (5 mol% DOPG) to introduce a defined negative surface charge profile, and a pegylated lipid conjugate (5 mol% DOPE-PEG) to construct a hydrophilic outer stealth steric layer. This detailed molecular assembly creates a stable, negatively charged surface topography that precisely balances electrostatic repulsion and steric stabilization, preventing physical vesicle aggregation.
<b>Source</b>	Custom synthesis
<b>Form</b>	Solid or powder
<b>Purity</b>	≥95%
<b>Impurities</b>	No visible impurities to the naked eye.
<b>Identity</b>	HPLC/MS/NMR
<b>Stability</b>	This product is stable for one year when stored at the recommended temperature in lyophilized powder.
<b>Quality Level</b>	Research grade
<b>Storage</b>	Store at -20°C.