



1,2-Dipalmitoyl-sn-glycero-3-phosphocholine(DPPC)

Catalog: Lipo-402

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PRODUCT INFORMATION

Product Name	1,2-Dipalmitoyl-sn-glycero-3-phosphocholine (DPPC)
Catalog Number	Lipo-402
CAS	63-89-8
Product Overview	Phosphatidylcholine (PC) is generally the most abundant lipid in animal cell membranes providing structural framework. PC is more common in the outer leaflet where it functions as part of the permeability barrier. PC is also the primary substrate of Phospholipase D enzymes which produce the signaling lipids - phosphatidic acid and lysophosphatidic acid.
Purity	99%
Application	Liposome production; Synthetic lipid
Molecular Mass	734.04
Storage	Store at 4°C or below.



Synonyms

L-Dipalmitoyl Lecithin;
 1,2-Dipalmitoyl-sn-glycero-3-Phosphatidylcholine; L-DPPC;
 63-89-8; DPPC; 16:0 PC;
 1,2-dihexadecanoyl-sn-glycero-3-phosphocholine;
 [(2R)-2,3-di(hexadecanoyloxy)propyl] 2-trimethylazaniumylethyl
 phosphate

USAGE GUIDELINES

General Handling

Avoid excessive mixing or vortexing to prevent aggregation.
 Long-term storage above -80°C may result in aggregate formation. Thaw on ice before use.

Storage

Short term: +2°C to +8°C (up to 1 week)
Long term: -80°C (stable for 12 months)

Stability

Stable for 12 months at -80°C. Avoid repeated freeze-thaw cycles.

Freeze / Thaw

Can be frozen, but limit to ≤3 freeze/thaw cycles to maintain particle integrity.

Important: This product is for **research use only**. Not intended for diagnostic or therapeutic applications. Please refer to the Safety Data Sheet (SDS) for complete handling and safety information.