

1-Stearoyl-2-myristoyl-sn-glycero-3-phosphocholine(SMPC)

Catalog: Lipo-415

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.

PRODUCT INFORMATION

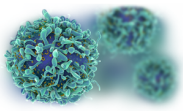
Product Name	1-Stearoyl-2-myristoyl-sn-glycero-3-phosphocholine (SMPC)
Catalog Number	Lipo-415
CAS	20664-02-2
Product Overview	Phosphatidylcholine (PC) is generally the most abundant lipid in animal cell membranes providing structural framework. PC is more common in the outer leaflet where it functions 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.
Application	Liposome production; Synthetic lipid
Molecular Mass	734.04
Storage	Store at -20°C or below.
Synonyms	20664-02-2

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.

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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.

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