

1,2-Dioleoyl-sn-glycero-3-phosphoethanolamine(DOPE)

Catalog: Lipo-439

Phosphatidylethanolamine (PE) is formed primarily in the reaction of CDP-ethanolamine and diacylglycerol. PE is one of the major components of cell membranes in bacteria and in nervous system.

PRODUCT INFORMATION

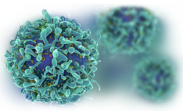
Product Name	1,2-Dioleoyl-sn-glycero-3-phosphoethanolamine (DOPE)
Catalog Number	Lipo-439
CAS	4004-05-1
Product Overview	Phosphatidylethanolamine (PE) is formed primarily in the reaction of CDP-ethanolamine and diacylglycerol. PE is one of the major components of cell membranes in bacteria and in nervous system.
Purity	98%
Application	Liposome production; Synthetic lipid
Molecular Mass	744.03
Storage	Store at -20 °C or below.
Synonyms	4004-05-1; 18:1 PE; DOPE; Dioleoylphosphatidylethanolamine; 1,?2-?dioleoyl-?sn-?glycero-?3-?phosphatidylethanolamine

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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