

1,2-Dilauroyl-sn-glycero-3-phosphoethanolamine(DLPE)

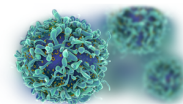
Catalog: Lipo-435

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-Dilauroyl-sn-glycero-3-phosphoethanolamine (DLPE)
Catalog Number	Lipo-435
CAS	59752-57-7
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	579.75
Storage	Store at 2-8 °C or below.
Synonyms	59752-57-7; 12:0 PE; DLPE; 1,2-didodecanoyl-sn-glycero-3-phosphoethanolamine; [(2R)-1-(2-aminoethoxy-hydroxyphosphoryl)oxy-3-dodecanoyloxypropan-2-yl] dodecanoate; lauric acid [(1R)-1-[(2-aminoethoxy-hydroxy-phosphoryl)oxymethyl]-2-lauroyloxy-ethyl] ester

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.