

1-Palmitoyl-2-hydroxy-sn-glycero-3-phospho-inositol(16:0 Lyso-PI)

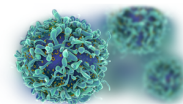
Catalog: Lipo-472

Lysophospholipids are lipid mediators which elicit a diverse array of cellular responses through activation of phospholipid specific G protein-coupled receptors. Lysophosphatidylinositol (LPI) induces a number of cellular effects through binding to the GPR55 receptor including angiogenesis, bone morphogenesis, cancer progression and pain. In addition LPI is thought to be a biomarker for certain cancers.

PRODUCT INFORMATION

Product Name	1-Palmitoyl-2-hydroxy-sn-glycero-3-phospho-inositol (16:0 Lyso-PI)
Catalog Number	Lipo-472
CAS	141553-69-7
Product Overview	Lysophospholipids are lipid mediators which elicit a diverse array of cellular responses through activation of phospholipid specific G protein-coupled receptors. Lysophosphatidylinositol (LPI) induces a number of cellular effects through binding to the GPR55 receptor including angiogenesis, bone morphogenesis, cancer progression and pain. In addition LPI is thought to be a biomarker for certain cancers.
Application	Liposome production; Synthetic lipid
Molecular Mass	594.28
Storage	Store at -20 °C or below.
Synonyms	141553-69-7

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.