

1,2-Dimyristoyl-sn-glycero-3-phosphate, sodium salt (DMPA)

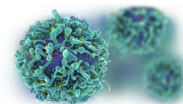
Catalog: Lipo-455

Phosphatidic acid (PA) is a major component of cell membranes with important biophysical, metabolic, and signaling roles. PA has been implicated in many aspects of animal cell biochemistry and physiology, including cell proliferation and differentiation, cell transformation, tumor progression and survival signaling.

PRODUCT INFORMATION

Product Name	1,2-Dimyristoyl-sn-glycero-3-phosphate, sodium salt (DMPA)
Catalog Number	Lipo-455
CAS	80724-31-8
Product Overview	Phosphatidic acid (PA) is a major component of cell membranes with important biophysical, metabolic, and signaling roles. PA has been implicated in many aspects of animal cell biochemistry and physiology, including cell proliferation and differentiation, cell transformation, tumor progression and survival signaling.
Purity	99%
Application	Liposome production; Synthetic lipid
Molecular Mass	614.78
Storage	Store at 2-8 °C or below.
Synonyms	80724-31-8; 14:0 PA; DMPA; Sodium 1,2-ditetradecanoyl-sn-glycero-3-phosphate; [(2R)-1-phosphonooxy-3-tetradecanoyloxypropan-2-yl] tetradecanoate

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.