

1,2-Dimyristoyl-sn-Glycero-3-PhosphatidylserineNa salt (DMPS)

Catalog: Lipo-452

1,2-Dimyristoyl-sn-glycero-3-phospho-L-serine is an anionic phospholipid containing myristic acid (14:0) inserted at the sn-1 and sn-2 positions. It can be used in the generation of micelles, liposomes, and other types of artificial membranes.

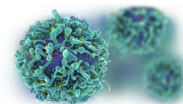
PRODUCT INFORMATION

Product Name	1,2-Dimyristoyl-sn-Glycero-3-Phosphatidylserine Na salt (DMPS)
Catalog Number	Lipo-452
CAS	105405-50-3
Product Overview	1,2-Dimyristoyl-sn-glycero-3-phospho-L-serine is an anionic phospholipid containing myristic acid (14:0) inserted at the sn-1 and sn-2 positions. It can be used in the generation of micelles, liposomes, and other types of artificial membranes.
Purity	>98%
Application	Liposome production; Synthetic lipid
Molecular Mass	701.84
Synonyms	14:0 PS; DMPS; 1,2-dimirystoyl-sn-glycero-3-phospho-L-serine (sodium salt); 1,2-ditetradecanoyl-sn-glycero-3-phospho-L-serine (sodium salt); 105405-50-3

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.