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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION



1-Myristoyl-2-hydroxy-*sn*-glycero-3-PC

Item No. 20958

CAS Registry No.: 20559-16-4
Formal Name: 4,7R-dihydroxy-N,N,N-trimethyl-10-oxo-3,5,9-trioxa-4-phosphatricosan-1-aminium, 4-oxide, inner salt
Synonyms: 14:0 Lyso-PC, 1-Myristoyl-*sn*-glycero-3-Phosphatidylcholine

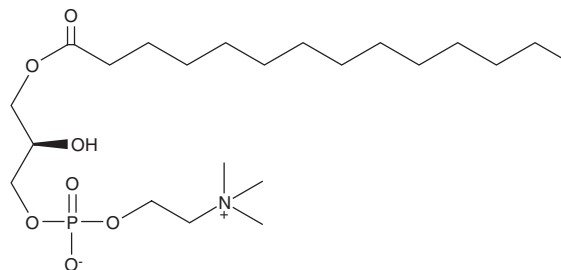
MF: C₂₂H₄₆NO₇P
FW: 467.6

Purity: ≥95%

Supplied as: A crystalline solid

Storage: -20°C

Stability: As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly



Laboratory Procedures

1-Myristoyl-2-hydroxy-*sn*-glycero-3-PC is supplied as a crystalline solid. Aqueous solutions of 1-myristoyl-2-hydroxy-*sn*-glycero-3-PC can be prepared by directly dissolving the crystalline solid in aqueous buffers. The solubility of 1-myristoyl-2-hydroxy-*sn*-glycero-3-PC in PBS, pH 7.2, is approximately 2 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Description

1-Myristoyl-2-hydroxy-*sn*-glycero-3-PC is a saturated 14:0 lysophosphatidylcholine that consists of one chain of myristic acid (Item No. 13351) at the *sn*-1 position. It is formed in plasma by lecithin:cholesterol acyltransferase (LCAT) and has a role in lipid signaling by acting on lysophospholipid receptors.¹

Reference

1. Soupene, E., Fyrst, H., and Kuypers, F.A. Mammalian acyl-CoA:lysophosphatidylcholine acyltransferase enzymes. *Proc. Natl. Acad. Sci. USA* **105**(1), 88-93 (2008).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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