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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION



1-Palmitoyl-2-lauroyl-*sn*-glycero-3-PC

Item No. 15101

CAS Registry No.: 82765-47-7
Formal Name: 1-palmitoyl-2-lauroyl-*sn*-glycero-3-phosphatidylcholine

Synonyms: 1-Palmitoyl-2-lauroyl-*sn*-glycero-3-Phosphocholine, PLPC

MF: C₃₆H₇₂NO₈P

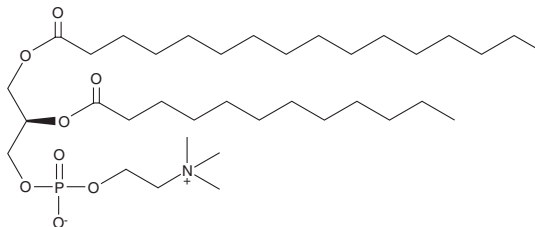
FW: 677.9

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-Palmitoyl-2-lauroyl-*sn*-glycero-3-PC (PLPC) is supplied as a crystalline solid. A stock solution may be made by dissolving the PLPC in the solvent of choice. PLPC is soluble in the organic solvent ethanol, which should be purged with an inert gas, at a concentration of approximately 25 mg/ml.

Description

PLPC is a phospholipid containing palmitoyl (16:0) and lauryl (12:0) acyl substituents at the *sn*-1 and *sn*-2 positions, respectively. This mixed-chain phosphatidylcholine has been used to study chain-chain contact interactions that contribute to the structural stability of lipid membrane bilayers.

Reference

1. Li, S., Wang, Z.-Q., Lin, H.-N., *et al.* Energy-minimized structures and packing states of a homologous series of mixed-chain phosphatidylcholines: A molecular mechanics study on the diglyceride moieties. *Biophys. J.* **65**(4), 1415-1428 (1993).

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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