

# PRODUCT INFORMATION



## 1,2-Diheptadecanoyl-*sn*-glycero-3-PC

Item No. 24630

CAS Registry No.: 70897-27-7

Formal Name: 4-hydroxy-N,N,N-trimethyl-10-oxo-7R-  
[[1-(1-oxoheptadecyl)oxy]-3,5,9-trioxa-4-  
phosphaheacosan-1-aminium, inner salt, 4-oxide

Synonyms: DHDPC, 1,2-Diheptadecanoyl-PC,  
1,2-Diheptadecanoyl-*sn*-glycero-3-Phosphocholine,  
PC(17:0/17:0)

MF: C<sub>42</sub>H<sub>84</sub>NO<sub>8</sub>P

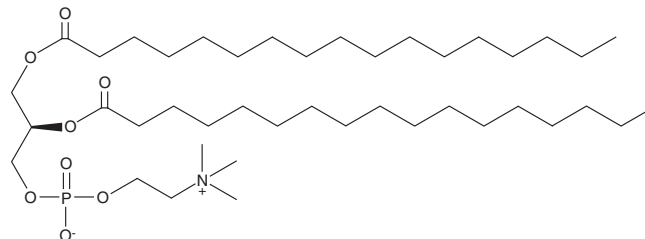
FW: 762.1

Purity: ≥98%

Supplied as: A solid

Storage: -20°C

Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Laboratory Procedures

1,2-Diheptadecanoyl-*sn*-glycero-3-PC (DHDPC) is supplied as a solid. A stock solution may be made by dissolving the DHDPC in the solvent of choice. DHDPC is soluble in organic solvents such as methanol and dichloromethane, which should be purged with an inert gas.

### Description

DHDPC is a synthetic phosphatidylcholine containing 17:0 fatty acids at the *sn*-1 and *sn*-2 positions. It has been used as an internal standard for the quantification of phosphatidylcholines by LC-MS.<sup>1</sup>

### Reference

1. Bird, S.S., Marur, V.R., Sniatynski, M.J., *et al.* Serum lipidomics profiling using LC-MS and high-energy collisional dissociation fragmentation: Focus on triglyceride detection and characterization. *Anal. Chem.* **83**(17), 6648-6657 (2011).

#### 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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