



15:0 Lyso PC

Cat. No.:	OB0626WX-4234
Appearance:	Powder
Purity:	≥99% LPC; may contain ≤10% 2-LPC isomer
Size:	25 mg; 50 mg; 100 mg

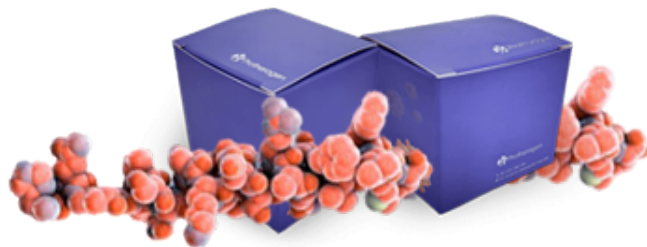
This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	15:0 Lyso PC is a lysophosphatidylcholine containing a saturated pentadecanoyl (15:0) acyl chain and a single esterified fatty acid. Its homogeneous molecular structure provides a well-characterized lysophospholipid for membrane lipid and phospholipid studies.
Synonyms	1-pentadecanoyl-2-hydroxy-sn-glycero-3-phosphocholine; 1-pentadecanoyl-sn-glycerol-3-phosphocholine; PC(15:0/0:0); LPC(15:0); LysoPC(15:0); LPC(15:0/0:0); LyPC(15:0/0:0); Lysophosphatidylcholine (15:0); Lysophosphatidylcholine(15:0); Lysophosphatidylcholine (15:0/0:0); Lysophosphatidylcholine(15:0/0:0); PC(15:0); PC 15:0/0:0; (2R)-2-Hydroxy-3-(pentadecanoyloxy)propyl 2-(trimethyl azaniumyl)ethyl phosphate; [(2R)-2-hydroxy-3-pentadecanoyloxy-propyl] 2-(trimethylammonio)ethyl phosphate; 108273-89-8
CAS No.	108273-89-8
Compound CID	24779458
Formula	C ₂₃ H ₄₈ NO ₇ P
Formula Weight	481.603

Specification

Hygroscopic	Yes
Light Sensitive	No
IUPAC Name	[(2R)-2-hydroxy-3-pentadecanoyloxypropyl] 2-(trimethylazaniumyl)ethyl phosphate



InChI	InChI=1S/C23H48NO7P/c1-5-6-7-8-9-10-11-12-13-14-15-16-17-23(26)29-20-22(25)21-31-32(27,28)30-19-18-24(2,3)4/h22,25H,5-21H2,1-4H3/t22-/m1/s1
InChI Key	RJZVWDTYEWCUAR-JOCHJYFZSA-N
Canonical SMILES	<chem>CCCCCCCCCCCCCCCC(=O)OC[C@H](COP(=O)([O-])OCC[N+](C)(C)C)O</chem>
Stability	1 year
Storage	Storage at -20°C.
Applications	15:0 Lyso PC serves as an analytical reference standard for the characterization of lysophosphatidylcholine species. It supports lipidomic profiling, LC-MS/MS quantification, and structural analysis of lysophospholipid molecular species.