



11:0 PC

Cat. No.:	OB0626WX-4140
Appearance:	Powder
Purity:	>99%
Size:	25 mg; 50 mg; 100 mg

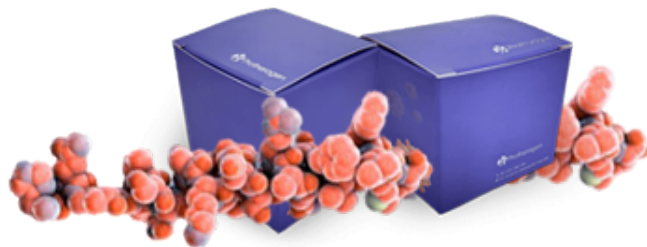
This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	11:0 PC is a saturated phosphatidylcholine with well-defined physicochemical properties for lipid research. The product is purified by HPLC and manufactured under conditions that minimize oxidation and hydrolysis, ensuring high consistency and quality for experimental use.
Synonyms	PC(11:0/11:0); 1,2-diundecanoyl-sn-glycero-3-phosphocholine; 2,3-Di(undecanoyloxy)propyl 2-(trimethylazaniumyl)ethyl phosphate; 2,3-di(undecanoyloxy)propyl 2-(trimethylammonio)ethyl phosphate; 2,3-Bis(undecanoyloxy)propyl 2-(trimethylazaniumyl)ethyl phosphate; 27869-47-2
CAS No.	27869-47-2
Compound CID	10100010
Formula	C ₃₀ H ₆₀ NO ₈ P
Formula Weight	593.773

Specification

Hygroscopic	Yes
Light Sensitive	No
IUPAC Name	2,3-di(undecanoyloxy)propyl 2-(trimethylazaniumyl)ethyl phosphate
InChI	InChI=1S/C30H60NO8P/c1-6-8-10-12-14-16-18-20-22-29(32)36-26-28(27-38-40(34,35)37-25-24-31(3,4)5)39-30(33)23-21-19-17-15-13-11-9-7-2/h28H,6-27H2,1-5H3
InChI Key	XCCDCYFQYUARRAY-UHFFFAOYSA-N
Canonical SMILES	CCCCCCCCCCCC(=O)OCC(COP(=O)([O-])OCC[N+](C)(C)C)OC(=O)CCCCCCCCC

**Stability**

1 year

Storage

Storage at -20°C.

Applications

11:0 PC serves as a reference standard for analytical studies of medium-chain phosphatidylcholine species. It supports lipidomic annotation, quantitative phospholipid analysis, and development of mass spectrometry-based workflows for investigating membrane lipid composition.