



18:0 propargyl PC

Cat. No.:	OB0626WX-4538
Appearance:	Powder
Purity:	>99%
Size:	1 mg; 2 mg; 5 mg

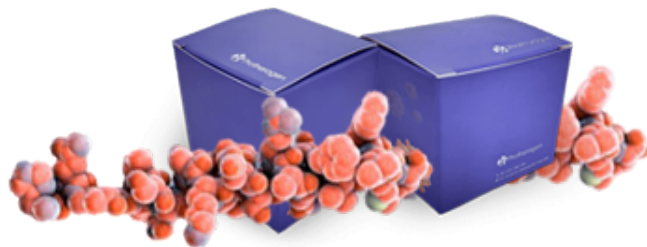
This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	18:0 propargyl PC is a phosphatidylcholine derivative incorporating a terminal p ropargyl functionality. The alkyne group provides a chemically accessible handle while preserving the structural characteristics of the phosphatidylcholine scaf fold.
Synonyms	1,2-distearoyl-sn-glycero-3-phosphocholine (N-propynyl); 1830366-39-6
CAS No.	1830366-39-6
Compound CID	172946473
Formula	C ₄₆ H ₈₈ NO ₈ P
Formula Weight	814.18

Specification

Hygroscopic	No
Light Sensitive	No
IUPAC Name	2-[dimethyl(prop-2-ynyl)azaniumyl]ethyl [(2 <i>R</i>)-2,3-di(octadecanoyloxy)prop yl] phosphate
InChI	InChI=1S/C46H88NO8P/c1-6-9-11-13-15-17-19-21-23-25-27-29-31-33-35-37-45(48)52-42-44(43-54-56(50,51)53-41-40-47(4,5)39-8-3)55-46(49)38-36-34-32-30-28-26-24-22-20-18-16-14-12-10-7-2/h3,44H,6-7,9-43H2,1-2,4-5H3/t44-/m1/s1
InChI Key	WIEJEUDUOQSGDY-USYZEHPZSA-N
Canonical SMILES	CCCCCCCCCCCCCCCC(=O)OC[C@H](COP(=O)([O-])OCC[N+](C)(C)CC#C)OC(=O)CCCCCCCCCCCCCCCCC

**Stability**

1 year

Storage

Storage at -20°C.

Applications

18:0 propargyl PC provides a clickable phospholipid probe for chemical biology and lipid interaction studies. It is utilized in bioorthogonal labeling approaches, lipid modification analysis, and investigation of phosphatidylcholine-associated molecular interactions, supporting characterization of labeled lipid species in biological research workflows.