



15:0-18:1 PS

Cat. No.:	OB0626WX-4250
Appearance:	Liquid
Purity:	>99%
Size:	1 mg; 2 mg; 5 mg; 10 mg

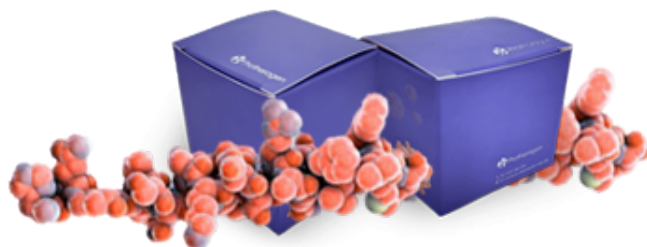
This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	15:0-18:1 PS is a mixed-chain phosphatidylserine composed of saturated 15:0 and monounsaturated 18:1 fatty acyl chains. The defined phospholipid composition provides a structurally uniform phosphatidylserine molecular species.
Formulation	Chloroform solution
Synonyms	1-pentadecanoyl-2-oleoyl-sn-glycero-3-phospho-L-serine, sodium salt; Sodium rac-(R)-2-Amino-2-carboxyethyl((S)-2-(oleoyloxy)-3-(pentadecanoyloxy)propyl) phosphate; 2410279-91-1
CAS No.	2410279-91-1
Compound CID	168006664
Formula	$C_{39}H_{73}NNaO_{10}P$
Formula Weight	769.96

Specification

Hygroscopic	No
Light Sensitive	No
IUPAC Name	sodium [(2S)-2-amino-2-carboxyethyl] [(2R)-2-[(Z)-octadec-9-enoyl]oxy-3-pentadecanoyloxypropyl] phosphate
InChI	InChI=1S/C39H74NO10P.Na/c1-3-5-7-9-11-13-15-17-18-19-21-23-25-27-29-31-38(42)50-35(33-48-51(45,46)49-34-36(40)39(43)44)32-47-37(41)30-28-26-24-22-20-16-14-12-10-8-6-4-2;/h17-18,35-36H,3-16,19-34,40H2,1-2H3,(H,43,44)(H,45,46);/q;+1/p-1/b18-1-7;/t35-,36+;/m1./s1



InChI Key	NVYGCQIGTDPHML-HTAIZBQXSA-M
Canonical SMILES	<chem>CCCCCCCCCCCCCCCC(=O)OC[C@H](COP(=O)([O-])OC[C@@H](C(=O)O)N)OC(=O)CCCCCCC/C=C\CCCCCCCC.[Na+]</chem>
Stability	1 year
Storage	Storage at -20°C.
Applications	15:0-18:1 PS is used as a reference compound for phosphatidylserine profiling and quantitative lipid analysis. It supports LC-MS/MS workflows, structural annotation, and characterization of phosphatidylserine molecular species.