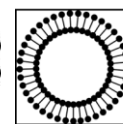
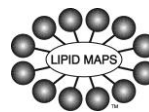


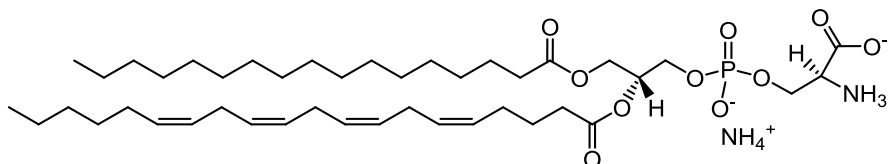
1-heptadecanoyl-2-(5Z, 8Z, 11Z, 14Z-eicosatetraenoyl)-sn-glycero-3-phospho-L-serine (ammonium salt)

17:0-20:4 PS

LIPIDMAPS™ Compound ID: LMGP03010003


Avanti[®]
POLAR LIPIDS, INC.

Molecular Weight: 815.069
 Exact Mass: 814.547
 Molecular Formula: C₄₃H₇₉N₂O₁₀P
 Storage: -20° C (Freezer)
 Manufacture Date: September 9, 2015
 Expiration Date: One year from date of receipt
 Physical Form: Methanol Solution (1ml per vial)
 Concentration: 10.42 µg/ml (13.06 µM)
 Lot Number: LM1302-LM17-014A
 MLOT: 6416WAA014



Certificate of Analysis

Test	Limits	Result
Mass Spec	Consistent with Structure, [M-NH ₄ +2H] ⁺ = 798.5 ± 1amu	Pass
Quantitative LC/MS	Run and Report	10.42 µg/ml 13.06 µM
HPLC/ELSD	NLT 99% Purity (AUC)	100% AUC
GC-FAME	NLT 99% Purity (AUC) (17:0 + 20:4)	100% AUC
Phosphorus NMR	Consistent with Structure	Pass
Proton NMR	Consistent with Structure	Pass
TLC Analysis (Mobile Phase 65:25:4 Chloroform:Methanol:Water)	R _f consistent with structure, NLT 99% Purity	Pass
Ninhydrin	Positive	Positive
Iodine	One Major Spot	One Spot
Phosphorus	Positive	Positive
Char	Positive	Positive
Wet Dip	One Major Spot	One Spot

Approved by:

Avanti Polar Lipids, Inc. 700 Industrial Park Drive, Alabaster, AL 35007-9105, USA

• (800) 227-0651 • (205) 663-2494 • Fax (800) 229-1004 • (205) 663-0756

• E-mail Orders: orders@avantilipids.com • E-mail Inquiries: info@avantilipids.com

• E-mail Technical Questions: technical@avantilipids.com • Visit www.avantilipids.com