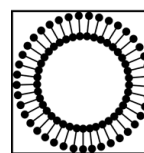
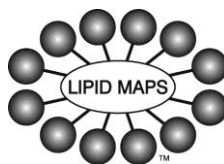


1-(10Z-heptadecenoyl)-sn-glycero-3-phosphate (ammonium salt)

17:1 Lyso PA

LIPIDMAPS™ Compound ID: LMGP10050002

**Avanti**[®]
POLAR LIPIDS, INC.

Molecular Weight: 439.524

Exact Mass: 439.27

Molecular Formula: C₂₀H₄₂NO₇P

Storage: -20° C (Freezer)

Manufacture Date: September 9, 2013

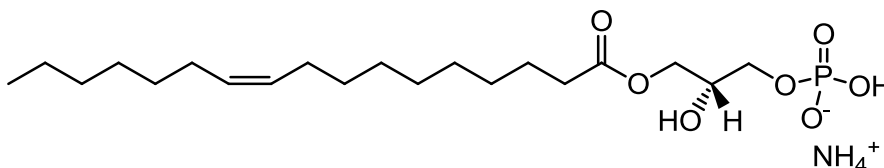
Expiration Date: One year from date of receipt

Physical Form: Methanol Solution (1ml per vial)

Concentration: 10.49 µg/ml (24.82 µM)

Lot Number: LM1701-LM1-015D

MLOT: 6424WAD015



Product Specifications

Test	Limits	Result
Mass Spec	Consistent with Structure, [M-NH ₄] ⁻ = 421.3 ± 1amu	Pass
Quantitative LC/MS	Run and Report	10.49 µg/ml 24.82 µM
HPLC/ELSD	NLT 99% Purity (AUC)	100% AUC
Calcium Content by ICP/MS	NMT 500ppm	196ppm
GC-FAME	NLT 99% Purity (AUC)	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	Negative	Negative
Iodine	One Major Spot	One Spot
Phosphorus	Positive	Positive
Char	Positive	Positive
Wet Dip	One Major Spot	One Major Spot

Approved by:

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

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