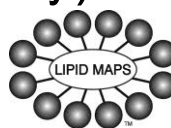


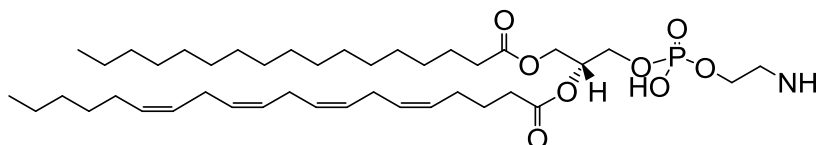
1-heptadecanoyl-2-(5Z,8Z,11Z,14Z-tetradecenoyl)-sn-glycero-3-phosphoethanolamine

17:0-20:4 PE

LIPIDMAPS™ Compound ID: LMGP02010003



Molecular Weight: 753.04
 Exact Mass: 753.53
 Molecular Formula: C₄₂H₇₆NO₈P
 Storage: -20° C (Freezer)
 Manufacture Date: June 13, 2017
 Expiration Date: One year from date of receipt
 Physical Form: Methanol Solution (1ml per vial)
 Concentration: 9.96 µg/ml (13.21 µM)
 Lot Number: LM1102-LM17-026A
 MLOT: 6410WAA026



Certificate of Analysis

Test	Limits	Result
Mass Spec	Consistent with Structure, [M+H] ⁺ = 754.0 ±1amu	Pass
Quantitative LC/MS	Run and Report	9.96 µg/ml 13.21 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

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