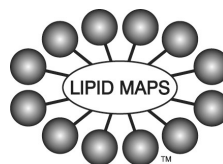


1-dodecanoyl-2-tridecanoyl-sn-glycero-3-phospho-L-serine (ammonium salt)

12:0-13:0 PS

LIPIDMAPS™ Compound ID: LMGP03010001



Molecular Weight: 654.813

Exact Mass: 654.422

Molecular Formula: C₃₁H₆₃N₂O₁₀P

Storage: -20° C (Freezer)

Manufacture Date: July 17, 2017

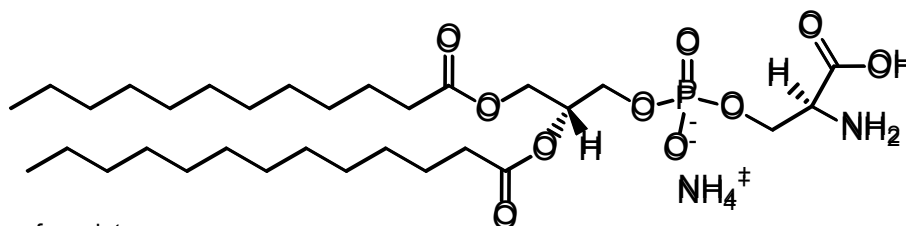
Expiration Date: One year from date of receipt

Physical Form: Methanol Solution (1ml per vial)

Concentration: 10.11 µg/ml (15.43 µM)

Lot Number: LM1300-LM1-023F

MLOT: 6415WAF023

**Product Specifications**

Test	Limits	Result
Mass Spec	Consistent with Structure, [M-NH ₄] ⁺ = 636.4 ±1amu	Pass
Quantitative LC/MS	Run and report	10.11 µg/ml 15.43 µM
HPLC/ELSD	NLT 99% Purity (AUC)	100% AUC
GC-FAME	NLT 99% Purity (AUC) (12:0 +13:0)	100% AUC
Calcium Content by ICP/MS	NMT 500ppm Calcium	None Detected
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	Negative	Negative
Wet Dip	One Major Spot	One Spot

Approved by:

For Research Use Only. Not For Human Use.

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

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