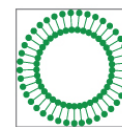
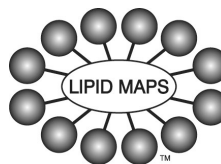


1-dodecanoyl-2-tridecanoyl-sn-glycero-3-phosphoethanolamine

12:0-13:0 PE

LIPIDMAPS™ Compound ID: LMGP02010008

**Avanti®**
POLAR LIPIDS

Part of Croda International Plc

Molecular Weight: 593.773

Exact Mass: 593.42

Molecular Formula: C₃₀H₆₀NO₈P

Storage: -20° C (Freezer)

Manufacture Date: September 27, 2017

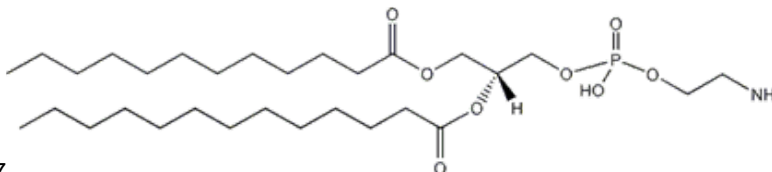
Expiration Date: One year from date of receipt

Physical Form: Methanol Solution (1ml per vial)

Concentration: 10.64 µg/ml (17.92 µM)

Lot Number: LM1100-LM1-013E

MLOT: 6409WAE013

**Product Specifications**

Test	Limits	Result
Mass Spec	Consistent with Structure, [M+H] ⁺ = 594.4 ± 1amu	Pass
Quantitative LC/MS	Run and Report	10.64 µg/ml 17.921 µM
HPLC/ELSD	NLT 99% Purity (AUC)	100% AUC
GC-FAME	NLT 99% Sum of 12:0 +13:0 (AUC)	99.8% 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	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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