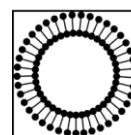
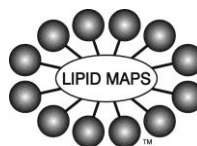


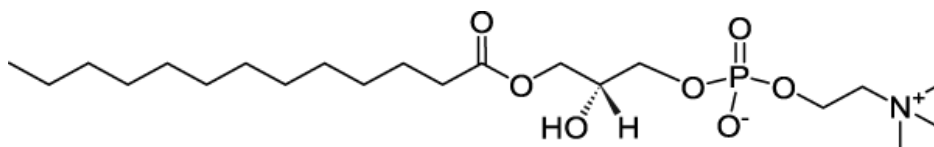
1-tridecanoyl-sn-glycero-3-phosphocholine

13:0 LYSO PC

LIPIDMAPS™ Compound ID: LMGP01050001

**Avanti**
POLAR LIPIDS, INC.

Molecular Weight: 453.55
 Exact Mass: 453.286
 Molecular Formula: C₂₁H₄₄NO₇P
 Storage: -20° C (Freezer)
 Manufacture Date: March 16, 2015
 Expiration Date: One year from date of receipt
 Physical Form: Methanol Solution (1ml per vial)
 Concentration: 10.19 µg/ml (22.47 µM)
 Lot Number: LM1600-LM1-010D
 MLOT: 6422WAD010



Certificate of Analysis

Test	Limits	Result
Mass Spec	Consistent with Structure, [M+H] ⁺ = 454.3 ±1amu	Pass
Quantitative LC/MS	Run and Report	10.19 µg/ml 22.47 µM
HPLC/ELSD	NLT 99% Purity (AUC)	100% AUC
GC-FAME	NLT 99% Purity (AUC) (13:0)	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	Negative	Negative
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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