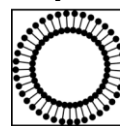
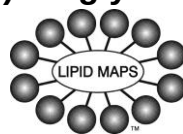


1-heptadecanoyl-2-(5Z,8Z,11Z,14Z-eicosatetraenoyl)-sn-glycero-3-phospho-(1'-myo-inositol-4'-phosphate) (Ammonium Salt)

17:0-20:4 PI(4)P

LIPIDMAPS™ Compound ID: LMGP07010003

**Avanti®**
POLAR LIPIDS, INC.

Molecular Weight: 987.16 (Ammonium Salt Form) 953.08 (Proton Form)

Exact Mass: 986.56 (Ammonium Salt Form) 952.51 (Proton Form)

Molecular Formula: C₄₆H₈₈N₂O₁₆P₂

Storage: -20° C (Freezer)

Manufacture Date: July 26, 2017

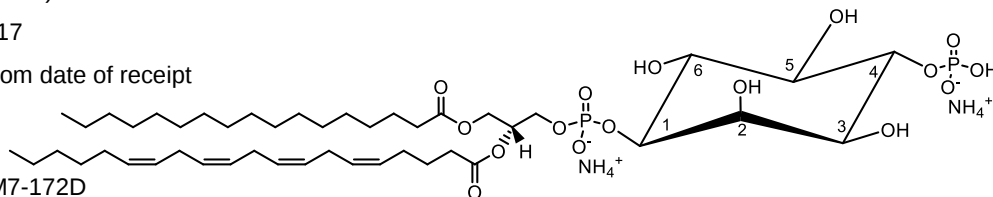
Expiration Date: One year from date of receipt

Physical Form: Powder

Amount Per Vial: 102 µg

Lot Number: LM1901-LM7-172D

MLOT: 6426PAD172

**Certificate of Analysis**

Test	Limits	Result
Mass Spec	Consistent with Structure, [M-2NH ₄ +H] ⁺ = 952.1 ± 1amu	Pass
Confirmation of Vial Content by Phosphate Assay	Run and Report	102 µg per vial
Phosphorus NMR	Consistent with Structure	Pass
Proton NMR	Consistent with Structure	Pass
TLC Analysis (Mobile Phase 45:35:7.7:2.3 Chloroform:Methanol:Water:Ammonium Hydroxide)	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 Spot

Approved by:

For Research Use Only. Not For Human Use.

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

• (800) 227-0651 • (205) 663-2494 • Fax (800) 229-1004 • (205) 663-0756

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