

16:0-18:1 PI(4)P

1-palmitoyl-2-oleoyl-sn-glycero-3-phospho-(1'-myo-inositol-4'-phosphate) (ammonium salt)

850157P-1mg

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Molecular Weight	951.110
Chemical Formula	C ₄₃ H ₈₈ N ₂ O ₁₆ P ₂
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5608PGA010
Avanti Lot Number	850157P-1MG-A-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (45:35:7.7:2.3 Chloroform: Methanol: Water: Ammonium Hydroxide)	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Phosphorus NMR	NMR spectrum consistent with structure	Consistent with structure
Phosphorus Assay	95-405% recovery phosphorus	95% recovery
Mass Spectroscopy	[M-2NH ₄ +H] ⁻ = 916.110 ± 1 amu [M-2NH ₄] ²⁻ = 457.555 ± 1 amu	[M-2NH ₄ +H] ⁻ = 915.7 amu [M-2NH ₄] ²⁻ = 457.4 amu

Approved By:



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