

18:1 PI(4)P

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

850151P-500ug

Page 1 of 1

Molecular Weight	977.147
Chemical Formula	C ₄₅ H ₉₀ N ₂ O ₁₆ P ₂
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5602PFC015
Avanti Lot Number	850151P-500UG-C-015

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	95-105% recovery phosphorus	Pass
Mass Spectroscopy	[M-2NH ₄ +H] ⁻ = 942.147 ± 1amu [M-2NH ₄] ²⁻ = 470.574 ± 1amu	[M-2NH ₄ +H] ⁻ = 942.3 amu [M-2NH ₄] ²⁻ = 470.9 amu

Approved by:



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