

18:1 PI(3,4,5)P3

1,2-dioleoyl-sn-glycero-3-phospho-(1'-myo-inositol-3',4',5'-trisphosphate) (ammonium salt)

850156P-500ug

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Molecular Weight	1171.168
Chemical Formula	C ₄₅ H ₉₈ N ₄ O ₂₂ P ₄
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5607PFG014
Avanti Lot Number	850156P-500UG-G-014

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
Mass Spectroscopy	[M-4NH ₄ +2H] ²⁻ = 550.584 ± 1 amu [M-4NH ₄ +3H] ⁻ = 1102.168 ± 1 amu	[M-4NH ₄ +2H] ²⁻ = 550.6 amu [M-4NH ₄ +3H] ⁻ = 1101.5 amu
Phosphorus Assay	95-105% recovery phosphorus	98.3% recovery

 Approved by: *Anderson Thomas*

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