

18:1 PI(5)P

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

850152P-500ug

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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	5603PFC011
Avanti Lot Number	850152P-500UG-C-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC	>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-2NH ₄] ²⁻ = 470.574 ± 1 amu [M-2NH ₄ +H] ⁻ = 942.147 ± 1 amu	[M-2NH ₄] ²⁻ = 470.6 amu [M-2NH ₄ +H] ⁻ = 942.1 amu
Phosphorus Assay	95-105% recovery phosphorus	104.6% recovery
Calcium (ICP/MS)	NMT 500ppm	None Detected

Approved By:



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