

18:0-20:4 PI(5)P

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

850190P-500ug

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Molecular Weight	1001.17
Chemical Formula	C ₄₇ H ₉₀ N ₂ O ₁₆ P ₂
Physical State	Powder
Storage	-20°C
Expiration Date	Three months from date of receipt
M Lot Number	6630PFA011
Avanti Lot Number	850190P-500UG-A-011

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 spray: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	All Pass
UV Oxidation	NMT 5% total all wavelengths	0.81% total
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	96.4% recovery
Calcium (ICP/MS)	NMT 500 ppm	None Detected
Mass Spectroscopy	[M-2NH ₄] ⁻ = 482.59 ± 1 amu [M-2NH ₄ +H] ⁻ = 966.17 ± 1 amu	[M-2NH ₄] ⁻ = 482.5 amu [M-2NH ₄ +H] ⁻ = 965.9 amu

Approved By:



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