

08:0 PI(4)P

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

850182P-500UG

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Molecular Weight	700.648
Chemical Formula	C ₂₅ H ₅₄ N ₂ O ₁₆ P ₂
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5618PFA012
Avanti Lot Number	850182P-500UG-A-012

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: negative Water dip: one major spot	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot
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	105.8% recovery
Calcium (ICP/MS)	NMT 500ppm	None detected
Mass Spectroscopy	[M-2NH ₄ +H] ⁺ = 665.6 ± 1 amu [M-2NH ₄] ²⁻ = 332.3 ± 1 amu	[M-2NH ₄ +H] ⁺ = 665.5 amu [M-2NH ₄] ²⁻ = 332.4 amu

Approved By:



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