

08:0 PI(4,5)P2

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

850185P-500ug

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Molecular Weight	797.658
Chemical Formula	C ₂₅ H ₅₈ N ₃ O ₁₉ P ₃
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5621PFA021
Avanti Lot Number	850185P-500UG-A-021

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	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-3NH ₄ +H] ²⁻ = 372.329 ± 1 amu [M-3NH ₄ +2H] ⁻ = 745.658 ± 1 amu	[M-3NH ₄ +H] ²⁻ = 372.30 amu [M-3NH ₄ +2H] ⁻ = 745.38 amu
Phosphorus Assay	95-105% recovery phosphorus	100.5% recovery
Calcium (ICP/MS)	NMT 500 ppm	None Detected

Approved By: *Anderson Thomas*

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