

08:0 PI(3,4,5)P3

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

850186P-100µg

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Molecular Weight	894.668
Chemical Formula	C ₂₅ H ₆₂ N ₄ O ₂₂ P ₄
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5622PDA012
Avanti Lot Number	850186P-100UG-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	All pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Phosphorus NMR	NMR spectrum consistent with structure	Consistent with structure
Calcium (ICP/MS)	NMT 500ppm	None Detected
Mass Spectroscopy	[M-4NH ₄ +2H] ²⁻ = 412.33 ± 1 amu [M-4NH ₄ +3H] ⁻ = 825.67 ± 1 amu	[M-4NH ₄ +2H] ²⁻ = 412.08 amu [M-4NH ₄ +3H] ⁻ = 825.17 amu

Approved by:



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