

18:1 PI(4,5)P2

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

850155P-100ug

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Molecular Weight	1074.158
Chemical Formula	C ₄₅ H ₉₄ N ₃ O ₁₉ P ₃
Physical State	Powder
Storage	-20 °C
Expiration Date	One year from date of receipt
M Lot Number	5606PDG012
Avanti Lot Number	850155P-100UG-G-012

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-3NH ₄ +H] ²⁻ = 510.579 ± 1 amu [M-3NH ₄ +2H] ⁻ = 1022.158 ± 1 amu	[M-3NH ₄ +H] ²⁻ = 510.7 amu [M-3NH ₄ +2H] ⁻ = 1022.0 amu
Phosphorus Assay	95-105% Recovery phosphorus	97.8% Recovery phosphorus
Calcium (ICP/MS)	NMT 500ppm	65.5 ppm

Approved by:

