

18:0-20:4 PI(4,5)P2
1-stearoyl-2-arachidonoyl-sn-glycero-3-phospho-(1'-myo-inositol-4',5'-bisphosphate) (ammonium salt)
850165P-100ug
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Molecular Weight	1098.179
Chemical Formula	C ₄₇ H ₉₄ N ₃ O ₁₉ P ₃
Physical State	Powder
Storage	-20°C
Expiration Date	Three months from date of receipt
M Lot Number	5611PDC012
Avanti Lot Number	850165P-100UG-C-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
UV Oxidation	NMT 5% total all wavelengths	4.09% total all wavelengths
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⁻ = 522.590 ± 1 amu [M-3NH ₄ +2H] ⁻ = 1046.179 ± 1 amu	[M-3NH ₄ +H] ²⁻ = 522.5 amu [M-3NH ₄ +2H] ⁻ = 1046.1 amu
Phosphorus Assay	95-105% Recovery phosphorus	102% Recovery phosphorus
Calcium (ICP/MS)	NMT 500ppm	212.8 ppm

Approved by:

