

**18:0-20:4 PI(3,4)P2**

**1-stearoyl-2-arachidonoyl-sn-glycero-3-phospho-(1'-myo-inositol-3',5'-bisphosphate) (ammonium salt)**

**850188P-500ug**

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**Molecular Weight** 1098.18  
**Chemical Formula** C<sub>47</sub>H<sub>94</sub>N<sub>3</sub>O<sub>19</sub>P<sub>3</sub>  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** Three months from date of receipt  
**M Lot Number** 6628PFA010  
**Avanti Lot Number** 850188P-500UG-A-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White powder which contains no foreign matter	Pass
TLC (PIP Solvent—45:35:7.7:2.3 Chloroform: Methanol: Water: Ammonium Hydroxide)	>99% Purity Ninhydrin spray: 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 <sub>4</sub> +H] <sup>2-</sup> = 522.59 ± 1 amu [M-3NH <sub>4</sub> +2H] <sup>-</sup> = 1046.18 ± 1 amu	[M-3NH <sub>4</sub> +H] <sup>2-</sup> = 522.9 amu [M-3NH <sub>4</sub> +2H] <sup>-</sup> = 1045.9 amu
Phosphorus Assay	95-105% recovery phosphorus	98% recovery
UV Oxidation	NMT 5% total all wavelengths	1% total
Calcium (ICP/MS)	NMT 500ppm	None Detected

Approved By:



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