

**18:0-20:4 PI(4)P**

**1-stearoyl-2-arachidonoyl-sn-glycero-3-phospho-(1'-myo-inositol-4'-phosphate) (ammonium salt)**

**850158P-500ug**

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<b>Molecular Weight</b>	1001.169
<b>Chemical Formula</b>	C <sub>47</sub> H <sub>90</sub> N <sub>2</sub> O <sub>16</sub> P <sub>2</sub>
<b>Physical State</b>	Powder
<b>Storage</b>	-20°C
<b>Expiration Date</b>	Three months from date of receipt
<b>M Lot Number</b>	5609PFA010
<b>Avanti Lot Number</b>	850158P-500UG-A-010

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	<b>Powder:</b> 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: 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-2NH <sub>4</sub> ] <sup>2-</sup> = 482.585 ± 1 amu	[M-2NH <sub>4</sub> ] <sup>2-</sup> = 482.7 amu
Calcium (ICP/MS)	NMT 500ppm	118.58ppm

Approved By:

