

**18:1 PI(5)P**

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

**850152P-100ug**

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<b>Molecular Weight</b>	977.147
<b>Chemical Formula</b>	C <sub>45</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>	One year from date of receipt
<b>M Lot Number</b>	5603PDC011
<b>Avanti Lot Number</b>	850152P-100UG-C-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> 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-2NH <sub>4</sub> ] <sup>2-</sup> = 470.574 ± 1 amu [M-2NH <sub>4</sub> +H] <sup>-</sup> = 942.147 ± 1 amu	[M-2NH <sub>4</sub> ] <sup>2-</sup> = 470.7 amu [M-2NH <sub>4</sub> +H] <sup>-</sup> = 942.0 amu
Phosphorus Assay	95-105% recovery phosphorus	105% recovery
Calcium (ICP/MS)	NMT 500 ppm	None Detected

Approved By:



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