

**18:1 PI(3,4,5)P3**

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

**850156P-100ug**

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<b>Molecular Weight</b>	1171.168
<b>Chemical Formula</b>	C <sub>45</sub> H <sub>98</sub> N <sub>4</sub> O <sub>22</sub> P <sub>4</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>	5607PDF014
<b>Avanti Lot Number</b>	850156P-100UG-F-014

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
Quantitative Proton NMR	NMR spectrum consistent with structure	0.093 mg/unit
Phosphorus NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-4NH <sub>4</sub> +2H] <sup>2-</sup> = 550.584 ± 1 amu [M-4NH <sub>4</sub> +3H] <sup>-</sup> = 1102.168 ± 1 amu	[M-4NH <sub>4</sub> +2H] <sup>2-</sup> = 550.6 amu [M-4NH <sub>4</sub> +3H] <sup>-</sup> = 1101.5 amu
Phosphorus Assay	95-105% recovery phosphorus	98.3% recovery

Approved by:



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