

**16:0 PI**

**1,2-dipalmitoyl-sn-glycero-3-phospho-(1'-myo-inositol) (ammonium salt)**

**850141P-500ug**

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<b>Molecular Weight</b>	828.062
<b>Chemical Formula</b>	C <sub>41</sub> H <sub>82</sub> NO <sub>13</sub> P
<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>	5596PFA011
<b>Avanti Lot Number</b>	850141P-500UG-A-011

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	<b>Powder:</b> White solid which contains no foreign matter.	Pass
TLC (65:25:4 Chloroform: Methanol: Water)	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: negative 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
Calcium (ICP/MS)	NMT 500 ppm	None detected
FAME	NLT 99% (AUC)	99.9% (AUC)
Mass Spectroscopy	[M-NH <sub>4</sub> ] <sup>+</sup> = 810.062 ± 1 amu	[M-NH <sub>4</sub> ] <sup>+</sup> = 809.7 amu

Approved By: *Meredith Bayroot*

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