

**16:1 SM (d18:1/16:1(9Z))**

**N-palmitoleoyl-D-erythro-sphingosylphosphorylcholine**

**860684P-5mg**

**Page 1 of 1**

<b>Molecular Weight</b>	701.012
<b>Chemical Formula</b>	C <sub>39</sub> H <sub>77</sub> N <sub>2</sub> O <sub>6</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>	6099PHC011
<b>Avanti Lot Number</b>	860684P-5MG-C-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter	Pass
TLC (65:30:4 Chloroform: Methanol: Water)	>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
Mass Spectroscopy	[M+H] <sup>+</sup> = 702.012 ± 1 amu	[M+H] <sup>+</sup> = 701.8 amu

Approved By: *Anderson Thomas*

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