

**16:0-d31 SM**
**N-palmitoyl-d31-D-erythro-sphingosylphosphorylcholine**
**868584P-5mg**

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<b>Molecular Weight</b>	734.219
<b>Chemical Formula</b>	C <sub>39</sub> H <sub>48</sub> N <sub>2</sub> O <sub>6</sub> PD <sub>31</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>	6155PHA015
<b>Avanti Lot Number</b>	868584P-5MG-A-015

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
Mass Spectroscopy	[M+H] <sup>+</sup> = 730.219 – 736.219 ± 1 amu (Multiple peaks will be observed across this range due to proton/deuterium exchange)	[M+H] <sup>+</sup> = 735.3 amu

Approved by:

