

**18:2 CA-d5**

**1',3'-bis[1,2-dilinoleoyl-sn-glycero-3-phospho]-sn-glycerol(d5)**

**791108C-1MG**

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<b>Molecular Weight</b>	1489.02
<b>Chemical Formula</b>	C <sub>81</sub> H <sub>143</sub> D <sub>5</sub> N <sub>2</sub> O <sub>17</sub> P <sub>2</sub>
<b>Physical State</b>	Chloroform
<b>Storage</b>	-20°C
<b>Expiration Date</b>	Three months from date of receipt
<b>M Lot Number</b>	6636CGC013
<b>Avanti Lot Number</b>	791108C-1MG-C-013

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Chloroform:</b> Clear, colorless solution which contains no foreign matter	Pass
TLC	>99% Purity Ninhydrin spray: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	>99% Purity Ninhydrin spray: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
FAME (GC/FID)	NLT 99% (AUC)	99.8% (AUC)
UV Oxidation	NMT 5% total all wavelengths	1.22% total
Calcium (ICP/MS)	NMT 500ppm	163.19 ppm
Mass Spectroscopy	[M-2NH <sub>4</sub> ] <sup>2-</sup> = 726.51 ± 1 amu [M-2NH <sub>4</sub> +H] <sup>-</sup> = 1454.02 ± 1 amu	[M-2NH <sub>4</sub> ] <sup>2-</sup> = 726.6 amu [M-2NH <sub>4</sub> +H] <sup>-</sup> = 1453.4 amu

Approved By:



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