

**16:0-20:4 PS**
**1-palmitoyl-2-arachidonoyl-sn-glycero-3-phospho-L-serine (sodium salt)**
**840061C-10MG**
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<b>Molecular Weight</b>	805.993
<b>Chemical Formula</b>	C <sub>42</sub> H <sub>73</sub> NO <sub>10</sub> PNa
<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>	5516CIB029
<b>Avanti Lot Number</b>	840061C-10MG-B-029

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Chloroform:</b> Clear solution with no foreign matter	Pass
TLC	>99% Purity Ninhydrin: positive Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	>99% Purity Ninhydrin: positive Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot
UV Oxidation	NMT 5% total all wavelengths	0% total
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
FAME (GC/FID)	NLT 50 ± 5% 16:0 (AUC) NLT 50 ± 5% 20:4 (AUC) NLT 99% total	44.4% 16:0 (AUC) 55.4% 20:4 (AUC) 99.8% total
Calcium (ICP/MS)	NMT 500ppm	147.8 ppm
Mass Spectroscopy	[M-Na+2H] <sup>+</sup> = 784.993 ± 1 amu	[M-Na+2H] <sup>+</sup> = 784.7 amu

 Approved By: *Andriana Thomas*

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