

**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>	5516CIA033
<b>Avanti Lot Number</b>	840061C-10MG-A-033

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
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
FAME (GC/FID)	NLT 99% combined 16:0 and 20:4 (AUC)	100% combined 16:0 and 20:4 (AUC)
UV Oxidation	NMT 5% total all wavelengths	0.40% total
Calcium (ICP/MS)	NMT 500ppm	BLOQ
Mass Spectroscopy	[M-Na] <sup>-</sup> = 783.0 ± 1 amu	[M-Na] <sup>-</sup> = 782.5 amu

Approved By:



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