

16:0-20:4 PS
1-palmitoyl-2-arachidonoyl-sn-glycero-3-phospho-L-serine (sodium salt)
840061C-10mg
Page 1 of 1

Molecular Weight	805.993
Chemical Formula	C ₄₂ H ₇₃ NO ₁₀ PNa
Physical State	Chloroform
Storage	-20°C
Expiration Date	Three months from date of receipt
M Lot Number	5516CIA030
Avanti Lot Number	840061C-10MG-A-030

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Chloroform: 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	0.23% 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	45.1% 16:0 (AUC) 54.7% 20:4 (AUC) 99.8% total
Calcium (ICP/MS)	NMT 500ppm	None detected
Mass Spectroscopy	[M-Na+2H] ⁺ = 784.993 ± 1 amu	[M-Na+2H] ⁺ = 784.7 amu

 Approved By: *Anderson Thomas*

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