

18:0-20:4 PS

1-stearoyl-2-arachidonoyl-sn-glycero-3-phospho-L-serine (sodium salt)

840064C-25MG

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Molecular Weight	834.046
Chemical Formula	C ₄₄ H ₇₇ NO ₁₀ PNa
Physical State	Chloroform
Storage	-20°C
Expiration Date	Three months from date of receipt
M Lot Number	5519CJB031
Avanti Lot Number	840064C-25MG-B-031

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	All Pass
UV Oxidation	NMT 5% total all wavelengths	0.26% total
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
FAME (GC/FID)	50 ± 5% 18:0 (AUC) 50 ± 5% 20:4 (AUC) NLT 99% total	47.6% 18:0 (AUC) 51.8% 20:4 (AUC) 99.4% total
Calcium (ICP/MS)	NMT 500ppm	None Detected
Mass Spectroscopy	[M-Na+2H] ⁺ = 813.046 ± 1 amu	[M-Na+2H] ⁺ = 812.5 amu

Approved By:



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