

18:0-20:4 PA
1-stearoyl-2-arachidonoyl-sn-glycero-3-phosphate (sodium salt)
840863C-25mg
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Molecular Weight	746.9
Chemical Formula	C ₄₁ H ₇₂ O ₈ PNa
Physical State	Chloroform
Storage	-20°C
Expiration Date	Three months from date of receipt
M Lot Number	5566CJA044
Avanti Lot Number	840863C-25MG-A-044

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Chloroform: Clear solution with no foreign matter	Pass
TLC	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	All Pass
UV Oxidation	NMT 5% total all wavelengths	0.17% total
FAME (GC/FID)	50 ± 5% 18:0 (AUC) 50 ± 5% 20:4 (AUC) NLT 99% (AUC)	47.8% 18:0 (AUC) 51.9% 20:4 (AUC) 99.7% total
Mass Spectroscopy	[M-Na] ⁺ = 723.9 ± 1 amu	[M-Na] ⁺ = 723.7 amu
Calcium (ICP/MS)	NMT 500 ppm	50.2 ppm
Proton NMR	NMR spectrum consistent with structure	Consistent with structure

 Approved By: *Andriana Thomas*

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