

18:0-20:4 PE

1-stearoyl-2-arachidonoyl-sn-glycero-3-phosphoethanolamine

850804C-25mg

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Molecular Weight	768.055
Chemical Formula	C ₄₃ H ₇₈ NO ₈ P
Physical State	Chloroform
Storage	-20°C
Expiration Date	Three months from date of receipt
M Lot Number	5749CJA057
Avanti Lot Number	850804C-25MG-A-057

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Chloroform: Clear solution which contains no foreign matter	Pass
TLC	>99% Purity Ninhydrin: positive Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
UV Oxidation	NMT 5% total all wavelengths	0.0%
FAME (GC/FID)	NLT 50 ± 5% 18:0 (AUC) NLT 50 ± 5% 20:4 (AUC) NLT 99% Total	48.0% 18:0 (AUC) 51.5% 20:4 (AUC) 99.5% Total
Mass Spectroscopy	[M+H] ⁺ = 769.055 ± 1 amu	[M+H] ⁺ = 768.9 amu

Approved By: *Meredith Baybutt*

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