

16:0-20:4 PE

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

850759C-25mg

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Molecular Weight	740.002
Chemical Formula	C ₄₁ H ₇₄ NO ₈ P
Physical State	Chloroform
Storage	-20°C
Expiration Date	Three months from date of receipt
M Lot Number	5743CJC055
Avanti Lot Number	850759C-25MG-C-055

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
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
UV Oxidation	NMT 5% total all wavelengths	0.35% total
FAME (GC/FID)	NLT 50% ± 5% 16:0 (AUC) NLT 50% ± 5% 20:4 (AUC) NLT 99% total	42.3% 16:0 (AUC) 56.8% 20:4 (AUC) 99.1% total
Mass Spectroscopy	[M+H] ⁺ = 741.002 ± 1 amu	[M+H] ⁺ = 740.8 amu

Approved By: *Anderson Thomas*

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