

16:0-18:2 PE

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

850756C-25MG

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Molecular Weight	715.981
Chemical Formula	C ₃₉ H ₇₄ NO ₈ P
Physical State	Chloroform
Storage	-20°C
Expiration Date	Three months from date of receipt
M Lot Number	5740CJA047
Avanti Lot Number	850756C-25MG-A-047

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
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
FAME (GC/FID)	NLT 50% ± 5% 16:0 (AUC) NLT 50% ± 5% 18:2 (AUC) NLT 99% (AUC) total	47.0% 16:0 (AUC) 53.0% 18:2 (AUC) 100% (AUC) total
UV Oxidation	NMT 5% total all wavelengths	0.72% total all wavelengths
Mass Spectroscopy	[M+H] ⁺ = 717.0 ± 1 amu	[M+H] ⁺ = 716.5 amu

Approved By:



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