

16:0 Lyso PE

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

856705P-200mg

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Molecular Weight	453.55
Chemical Formula	C ₂₁ H ₄₄ NO ₇ P
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5787PNA052
Avanti Lot Number	856705P-200MG-A-052

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC	>99% Purity Ninhydrin: positive Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot	>99% Purity Ninhydrin: positive Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot
FAME (GC/FID)	NLT 99% 16:0 (AUC)	100% (AUC)
Phosphorus Assay	95-105% recovery phosphorus	103.5 %
Calcium (ICP/MS)	NMT 500ppm	137.17 ppm
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H] ⁺ = 454.55 ± 1 amu	[M+H] ⁺ = 454.6 amu

Approved by: *Meredith Bayood*

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