

16:0 Lyso PS

1-palmitoyl-2-hydroxy-sn-glycero-3-phospho-L-serine (sodium salt)

858142P-1mg

Page 1 of 1

Molecular Weight	519.542
Chemical Formula	C ₂₂ H ₄₃ NPO ₉ Na
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5858PGB013
Avanti Lot Number	858142P-1MG-B-013

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	All Pass
FAME (GC/FID)	NLT 99% 16:0 (AUC)	100% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H] ⁺ = 520.542 ± 1 amu [M-Na+2H] ⁺ = 498.542 ± 1 amu	[M+H] ⁺ = 520.7 amu [M-Na+2H] ⁺ = 498.6 amu
Phosphorus Assay	95-105% recovery phosphorus	102% recovery
Calcium (ICP/MS)	NMT 500ppm	None Detected

Approved By:



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