

18:0 Lyso PS

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

858144P-5mg

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Molecular Weight	547.595
Chemical Formula	C ₂₄ H ₄₇ NPO ₉ Na
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5860PHC011
Avanti Lot Number	858144P-5MG-C-011

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% 18:0 (AUC)	99.6% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-H] ⁻ = 546.595 ± 1 amu [M-Na] ⁻ = 524.595 ± 1 amu	[M-H] ⁻ = 546.4 amu [M-Na] ⁻ = 524.4 amu
Phosphorus Assay	95-105% recovery phosphorus	101.9 Recovery
Calcium (ICP/MS)	NMT 500ppm	None Detected

Approved by: *Anderson Thomas*

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