

13:0 Lyso PS

1-tridecanoyl-sn-glycero-3-phospho-L-serine (sodium salt)

858140P-1mg

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Molecular Weight	477.462
Chemical Formula	C ₁₉ H ₃₇ NNaO ₉ P
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5856PGH010
Avanti Lot Number	858140P-1MG-H-010

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% 13:0 (AUC)	100% 13:0 (AUC)
Phosphorus Assay	95-105% Recovery phosphorus	95.2% recovery
Calcium (ICP/MS)	NMT 500 ppm	None Detected
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-Na] ⁺ = 454.5 ± 1 amu	[M-Na] ⁺ = 454.4 amu

Approved by: *Anderson Thomas*

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