

18:0-18:1 PS

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

840039P-10mg

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Molecular Weight 812.041
Chemical Formula C₄₂H₇₉NO₁₀PNa
Physical State Powder
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 5502PIA046
Avanti Lot Number 840039P-10MG-A-046

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: positive Water dip: one major spot	>99% Purity Ninhydrin: positive Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
FAME (GC/FID)	50 ± 5% 18:0 (AUC) 50 ± 5% 18:1 (AUC) NLT 99% total (AUC)	50.1% 18:0 (AUC) 49.6% 18:1 (AUC) Total 99.7% (AUC)
Calcium (ICP/MS)	NMT 500ppm	BLOQ
Mass Spectroscopy	Negative mode: [M-Na] ⁻ = 789.041 ± 1 amu or Positive mode: [M-Na+2H] ⁺ = 791.041 ± 1 amu	Positive mode: [M-Na+2H] ⁺ = 790.6 amu

Approved by:

