

18:2 Lyso PA

1-linoleoyl-2-hydroxy-sn-glycero-3-phosphate (sodium salt)

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Molecular Weight 456.486
Chemical Formula C₂₁H₃₈NaO₇P
Physical State Chloroform
Storage -20°C
Expiration Date Three months from date of receipt
M Lot Number 5806CJO019
Avanti Lot Number 857138C-25MG-O-019

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Chloroform: Clear solution with no foreign matter	Pass
TLC	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	All Pass
UV Oxidation	NMT 5% total all wavelengths	0.16% total
FAME (GC/FID)	NLT 99% 18:2 (AUC)	99.1% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Phosphorus Assay	95-105% Recovery phosphorus	97.8% recovery
Calcium (ICP/MS)	NMT 500 ppm	None Detected
Mass Spectroscopy	[M-Na] ⁺ = 433.486 ± 1 amu	[M-Na] ⁺ = 433.3 amu

Approved By: *Anderson Thomas*

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