

16:0 Cyclic LPA

1-palmitoyl-sn-glycero-2,3-cyclic-phosphate (ammonium salt)

857323P-1mg

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Molecular Weight	409.498
Chemical Formula	C ₁₉ H ₄₀ NO ₆ P
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5813PGC012
Avanti Lot Number	857323P-1MG-C-012

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot	All Pass
FAME (GC/FID)	NLT 99% 16:0 (AUC)	99.9% (AUC)
Phosphorus Assay	95-105% recovery phosphorus	102% recovery
Calcium (ICP/MS)	NMT 500 ppm	None Detected
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-NH ₄] ⁺ = 391.5 ± 1 amu	[M-NH ₄] ⁺ = 391.2 amu

Approved by:



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