

C16 Cyclic LPA-d5

1-O-hexadecyl-sn-glycero(d5)-2,3,-cyclic-phosphate (ammonium salt)

857325P-1mg

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Molecular Weight	400.55
Chemical Formula	C ₁₉ H ₃₇ D ₅ NO ₅ P
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	7104PGA010
Avanti Lot Number	857325P-1MG-A-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (65:25:4 Chloroform: Methanol: Water)	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Phosphorus NMR	NMR spectrum consistent with structure	Consistent with structure
Calcium (ICP/MS)	NMT 500 ppm	75.7 ppm
Mass Spectroscopy	[M-NH ₄] ⁺ = 382.55 ± 1 amu	[M-NH ₄] ⁺ = 382.3 amu
Isotopic Purity	Run and Report	94.6%

Melissa Bolin

Approved By:

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