

18:2 CA-d5

1',3'-bis[1,2-dilinoleoyl-sn-glycero-3-phospho]-sn-glycerol(d5)

791108C-1mg

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Molecular Weight	1489.02
Chemical Formula	C ₈₁ H ₁₄₃ D ₅ N ₂ O ₁₇ P ₂
Physical State	Chloroform
Storage	-20°C
Expiration Date	Three months from date of receipt
M Lot Number	6636CGA013
Avanti Lot Number	791108C-1MG-A-013

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Chloroform: Clear, colorless solution which contains no foreign matter	Pass
TLC	>99% Purity Ninhydrin spray: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	>99% Purity Ninhydrin spray: negative 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)	NLT 99% (AUC)	99.8% (AUC)
UV Oxidation	NMT 5% total all wavelengths	1.22% total
Calcium (ICP/MS)	NMT 500ppm	163.19 ppm
Mass Spectroscopy	[M-2NH ₄] ²⁻ = 726.51 ± 1 amu [M-2NH ₄ +H] ⁻ = 1454.02 ± 1 amu	[M-2NH ₄] ²⁻ = 726.0 amu [M-2NH ₄ +H] ⁻ = 1453.4 amu

Approved By: *Andriana Thomas*

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