

18:2 Cardiolipin-d5

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

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	6636CGB014
Avanti Lot Number	791108C-1MG-B-014

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% 18:2 (AUC)	99.2% 18:2 (AUC)
Calcium (ICP/MS)	NMT 500 ppm	BLOQ
UV Oxidation	NMT 5% total all wavelengths	2.69% total all wavelengths
Mass Spectroscopy (TOF)	[M-2NH ₄] ²⁻ = 726.03 ± 1 amu [M-2NH ₄ +H] ⁻ = 1453.06 ± 1 amu	[M-2NH ₄] ²⁻ = 725.99 amu [M-2NH ₄ +H] ⁻ = 1453.00 amu

Approved By:



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