

16:0 Cardiolipin

1',3'-bis[1,2-dipalmitoyl-sn-glycero-3-phospho]-sn-glycerol (sodium salt)

710333P-25mg

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Molecular Weight	1397.81
Chemical Formula	C ₇₃ H ₁₄₀ Na ₂ O ₁₇ P ₂
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5230PJA012
Avanti Lot Number	710333P-25MG-A-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)
Mass Spectroscopy	[M-2Na+H] ⁻ = 1352.810 ± 1 amu [M-2Na] ²⁻ = 676.405 ± 1 amu	[M-2Na+H] ⁻ = 1352.1 amu [M-2Na] ²⁻ = 675.9 amu
Calcium (ICP/MS)	NMT 500ppm	65.3 ppm
Proton NMR	NMR spectrum consistent with structure	Consistent with structure

 Approved by: *Anderson Thomas*

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