

16:0-18:1 Cardiolipin

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

710341C-25mg

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Molecular Weight	1449.88
Chemical Formula	C ₇₇ H ₁₄₄ Na ₂ O ₁₇ P ₂
Physical State	Chloroform
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6523CJJ010
Avanti Lot Number	710341C-25MG-J-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Chloroform: Clear solution with no foreign matter	Pass
TLC	>99% Purity Ninhydrin spray: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	All Pass
FAME (GC/FID)	NLT 50 ± 5% 16:0 (AUC) NLT 50 ± 5% 18:1 (AUC) NLT 99% total	47% 16:0 (AUC) 53% 18:1 (AUC) 100% total
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-2Na] ²⁻ = 701.88 ± 1 amu [M-2Na+H] ⁻ = 1404.88 ± 1 amu	[M-2Na] ²⁻ = 702.4 amu [M-2Na+H] ⁻ = 1405.0 amu
Calcium	NMT 500 ppm	None Detected

 Approved By: *Anderson Thomas*

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