

**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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<b>Molecular Weight</b>	1449.88
<b>Chemical Formula</b>	C <sub>77</sub> H <sub>144</sub> Na <sub>2</sub> O <sub>17</sub> P <sub>2</sub>
<b>Physical State</b>	Chloroform
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	6523CJC010
<b>Avanti Lot Number</b>	710341C-25MG-C-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Chloroform:</b> 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] <sup>2-</sup> = 701.88 ± 1 amu [M-2Na+H] <sup>-</sup> = 1404.88 ± 1 amu	[M-2Na] <sup>2-</sup> = 702.4 amu [M-2Na+H] <sup>-</sup> = 1405.0 amu
Calcium	NMT 500 ppm	None Detected

Approved By:



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