

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 C₇₇H₁₄₄Na₂O₁₇P₂
Physical State Chloroform
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 6523CJD010
Avanti Lot Number 710341C-25MG-D-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:



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