

**16:0 Cardiolipin**

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

**710333P-25mg**

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|                          |   |
|--------------------------|---|
| <b>Molecular Weight</b>  | 1397.810  |
| <b>Chemical Formula</b>  | C <sub>73</sub> H <sub>140</sub> Na <sub>2</sub> O <sub>17</sub> P <sub>2</sub> |
| <b>Physical State</b>    | Powder  |
| <b>Storage</b>           | -20°C   |
| <b>Expiration Date</b>   | One year from date of receipt   |
| <b>M Lot Number</b>      | 5230PJF011  |
| <b>Avanti Lot Number</b> | 710333P-25MG-F-011  |

| ANALYSIS             | SPECIFICATION   | RESULTS  |
|----------------------|---|--|
| Physical Examination | <b>Powder:</b> White solid which contains no foreign matter   | Pass   |
| TLC                  | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: negative<br>Water dip: one major spot | All Pass   |
| FAME (GC/FID)        | NLT 99% 16:0 (AUC)  | 99.9% (AUC)  |
| Mass Spectroscopy    | [M-2Na+H] <sup>-</sup> = 1352.810 ± 1 amu<br>[M-2Na] <sup>2-</sup> = 676.405 ± 1 amu  | [M-2Na+H] <sup>-</sup> = 1352.6 amu<br>[M-2Na] <sup>2-</sup> = 676.3 amu |
| Calcium (ICP/MS)     | NMT 500 ppm   | None Detected  |

Approved By:



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