

**14:1 Cardiolipin**

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

**710337C-5mg**

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|                          |   |
|--------------------------|---|
| <b>Molecular Weight</b>  | 1277.530  |
| <b>Chemical Formula</b>  | C <sub>65</sub> H <sub>116</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>      | 5232CHA015  |
| <b>Avanti Lot Number</b> | 710337C-5MG-A-015   |

| ANALYSIS             | SPECIFICATION   | RESULTS  |
|----------------------|---|--|
| Physical Examination | <b>Chloroform:</b> Clear solution with no foreign matter  | Pass   |
| TLC                  | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: positive<br>Water dip: one major spot | All Pass   |
| FAME (GC/FID)        | NLT 99% 14:1 (AUC)  | 100% (AUC)   |
| Mass Spectroscopy    | [M-2Na+H] <sup>-</sup> = 1232.530 ± 1 amu<br>[M-2Na] <sup>2-</sup> = 615.765 ± 1 amu  | [M-2Na+H] <sup>-</sup> = 1232.3 amu<br>[M-2Na] <sup>2-</sup> = 615.9 amu |
| Calcium (ICP/MS)     | NMT 500ppm  | None Detected  |

Approved by:



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