

## 18:0 Lyso PC

1-stearoyl-2-hydroxy-sn-glycero-3-phosphocholine

855775C-500mg

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|                          |                                                   |
|--------------------------|---------------------------------------------------|
| <b>Molecular Weight</b>  | 523.683                                           |
| <b>Chemical Formula</b>  | C <sub>26</sub> H <sub>54</sub> NO <sub>7</sub> P |
| <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>      | 5781CPA084                                        |
| <b>Avanti Lot Number</b> | 855775C-500MG-A-084                               |

| 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: negative<br>Water dip: one major spot | All Pass                       |
| FAME (GC/FID)             | NLT 99% 18:0 (AUC)                                                                                                                      | 99.8% (AUC)                    |
| Phosphorus Assay (UV/VIS) | 95-105% recovery phosphorus                                                                                                             | 96.8% recovery                 |
| Calcium (ICP/MS)          | NMT 500ppm Ca                                                                                                                           | None Detected                  |
| Proton NMR                | NMR spectrum consistent with structure                                                                                                  | Consistent with structure      |
| Mass Spectroscopy         | [M+H] <sup>+</sup> = 524.683 ± 1 amu                                                                                                    | [M+H] <sup>+</sup> = 524.3 amu |

Approved by:



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