

**18:0 Lyso PC**

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

**855775P-25mg****Page 1 of 1**

**Molecular Weight** 523.683  
**Chemical Formula** C<sub>26</sub>H<sub>54</sub>NO<sub>7</sub>P  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5781PJB087  
**Avanti Lot Number** 855775P-25MG-B-087

| 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% 18:0 (AUC)                                                                                                                      | 100% (AUC)                     |
| Phosphorus Assay (UV/Vis) | 95-105% recovery phosphorus                                                                                                             | 104% recovery                  |
| Calcium (ICP/MS)          | NMT 500 ppm Ca                                                                                                                          | None Detected                  |
| Proton NMR                | NMR spectrum consistent with reference structure                                                                                        | Consistent with structure      |
| Mass Spectroscopy         | [M+H] <sup>+</sup> = 524.683 ± 1 amu                                                                                                    | [M+H] <sup>+</sup> = 524.5 amu |

Approved By:



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