

**16:0 PC-d62**

**1,2-dipalmitoyl-d62-sn-glycero-3-phosphocholine**

**860355P-25mg**

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|                          |                                                                  |
|--------------------------|------------------------------------------------------------------|
| <b>Molecular Weight</b>  | 796.421                                                          |
| <b>Chemical Formula</b>  | C <sub>40</sub> H <sub>18</sub> NO <sub>8</sub> PD <sub>62</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>      | 5890PJB067                                                       |
| <b>Avanti Lot Number</b> | 860355P-25MG-B-067                                               |

| 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                       |
| Proton NMR           | NMR spectrum consistent with structure                                                                                                  | Consistent with structure      |
| Mass Spectroscopy    | [M+H] <sup>+</sup> = 792.421 – 798.421 ± 1 amu<br>(multiple peaks will be observed across this range due to proton/deuterium exchange)  | [M+H] <sup>+</sup> = 795.4 amu |

Approved By:



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