

**14:0 PC-d67**

**1,2-dimyristoyl-d54-sn-glycero-3-phosphocholine-1,1,2,2-d4-N,N,N-trimethyl-d9**

**860348C-25mg**

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|                          |                                                                 |
|--------------------------|-----------------------------------------------------------------|
| <b>Molecular Weight</b>  | 745.345                                                         |
| <b>Chemical Formula</b>  | C <sub>36</sub> H <sub>5</sub> NO <sub>8</sub> PD <sub>67</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>      | 5887CJA047                                                      |
| <b>Avanti Lot Number</b> | 860348C-25MG-A-047                                              |

| 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                       |
| Proton NMR           | NMR spectrum consistent with structure                                                                                                  | Consistent with structure      |
| Mass Spectroscopy    | [M+H] <sup>+</sup> = 741.3 – 747.3 ± 1 amu<br>(multiple peaks will be observed across this range due to proton/deuterium exchange)      | [M+H] <sup>+</sup> = 743.9 amu |

Approved By:

