

**15:0 SM (d18:1/15:0)-d9**

**N-pentadecanoyl-D-erythro-sphingosylphosphorylcholine-d9**

**860686P-1mg**

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|                          |  |
|--------------------------|--|
| <b>Molecular Weight</b>  | 698.06   |
| <b>Chemical Formula</b>  | C <sub>38</sub> H <sub>68</sub> D <sub>9</sub> N <sub>2</sub> O <sub>6</sub> P |
| <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>      | 6611PGG010   |
| <b>Avanti Lot Number</b> | 860686P-1MG-G-010  |

| ANALYSIS  | SPECIFICATION   | RESULTS                        |
|---|---|--------------------------------|
| Physical Examination                                      | <b>Powder:</b> White solid which contains no foreign matter   | Pass                           |
| TLC<br>(65:35:8 Chloroform: Methanol: Ammonium Hydroxide) | >99% Purity<br>Ninhydrin spray: negative<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: positive<br>Water dip: one major spot | All Pass                       |
| Proton NMR  | NMR spectrum consistent with structure  | Consistent with structure      |
| Mass Spectroscopy   | [M+H] <sup>+</sup> = 699.07 ± 1 amu   | [M+H] <sup>+</sup> = 698.6 amu |

Approved By:



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