

**18:1-d9 SM**
**N-oleoyl(d9)-D-erythro-sphingosylphosphorylcholine**
**791649C-1mg**
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|                          |  |
|--------------------------|--|
| <b>Molecular Weight</b>  | 738.121  |
| <b>Chemical Formula</b>  | C <sub>41</sub> H <sub>72</sub> D <sub>9</sub> N <sub>2</sub> O <sub>6</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>      | 5278CGC010   |
| <b>Avanti Lot Number</b> | 791649C-1MG-C-010  |

| 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: 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> = 739.1 ± 1 amu  | [M+H] <sup>+</sup> = 739.2 amu |

Approved by:

