

**CER3(d9)****N-palmitoyl(d9) D-ribo-phytosphingosine****791923P-5mg****Page 1 of 1**

**Molecular Weight** 564.971  
**Chemical Formula** C<sub>34</sub>H<sub>60</sub>D<sub>9</sub>NO<sub>4</sub>  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5282PHC010  
**Avanti Lot Number** 791923P-5MG-C-010

| ANALYSIS                         | SPECIFICATION                                                                                                                           | RESULTS                        |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Physical examination             | Powder: White solid with no foreign matter.                                                                                             | Pass                           |
| TLC<br>(9:1 Chloroform:Methanol) | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: negative<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> = 565.971 ± 1 amu                                                                                                    | [M+H] <sup>+</sup> = 565.9 amu |

Approved by:



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