

**C18 Ceramide (d18:1/18:0)**

N-stearoyl-D-erythro-sphingosine

860518P-5mg

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**Molecular Weight** 565.954  
**Chemical Formula** C<sub>36</sub>H<sub>71</sub>NO<sub>3</sub>  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5970PHH014  
**Avanti Lot Number** 860518P-5MG-H-014

| ANALYSIS                           | SPECIFICATION   | RESULTS                        |
|------------------------------------|---|--------------------------------|
| Physical Examination               | <b>Powder:</b> White solid which contains no foreign matter   | Pass                           |
| TLC<br>(95:5 Chloroform: Methanol) | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: negative<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> = 566.954 ± 1 amu  | [M+H] <sup>+</sup> = 567.0 amu |

Approved By:



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