

**N-C12-deoxysphingosine****N-lauroyl-1-deoxysphingosine (m18:1/12:0)****860455P-1mg****Page 1 of 1**

**Molecular Weight** 465.795  
**Chemical Formula** C<sub>30</sub>H<sub>59</sub>NO<sub>2</sub>  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5924PGA011  
**Avanti Lot Number** 860455P-1MG-A-011

| ANALYSIS                           | SPECIFICATION                                                                                                                           | RESULTS                        |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Physical Examination               | <b>Powder:</b> White solid which contains no foreign matter                                                                             | Pass                           |
| TLC<br>(97:3 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> = 466.795 ± 1 amu                                                                                                    | [M+H] <sup>+</sup> = 466.8 amu |

Approved By:



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