

**1-deoxysphinganine**

1-deoxysphinganine (m18:0)

**860493P-1mg**

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|                          |                                    |
|--------------------------|------------------------------------|
| <b>Molecular Weight</b>  | 285.508                            |
| <b>Chemical Formula</b>  | C <sub>18</sub> H <sub>39</sub> NO |
| <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>      | 5953PGB013                         |
| <b>Avanti Lot Number</b> | 860493P-1MG-B-013                  |

| ANALYSIS   | SPECIFICATION   | RESULTS                        |
|--|---|--------------------------------|
| Physical examination   | <b>Powder:</b> White solid which contains no foreign matter.  | Pass                           |
| TLC<br>(80:20:2 Chloroform: Methanol:<br>Ammonium Hydroxide) | >99% Purity<br>Ninhydrin: positive<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> = 286.508 ± 1 amu  | [M+H] <sup>+</sup> = 286.5 amu |

Approved by:

