

## 1-deoxysphingosine

1-deoxysphingosine (m18:1)

860470P-10mg

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|                          |                                    |
|--------------------------|------------------------------------|
| <b>Molecular Weight</b>  | 283.492                            |
| <b>Chemical Formula</b>  | C <sub>18</sub> H <sub>37</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>      | 5938PIA012                         |
| <b>Avanti Lot Number</b> | 860470P-10MG-A-012                 |

| ANALYSIS                                     | SPECIFICATION                                                                                                                           | RESULTS                        |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Physical examination                         | <b>Powder:</b> White solid which contains no foreign matter.                                                                            | Pass                           |
| TLC<br>(80:20:2 Chloroform: Methanol: Water) | >99% Purity<br>Ninhydrin: positive<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> = 284.492 ± 1 amu                                                                                                    | [M+H] <sup>+</sup> = 284.5 amu |

Approved by:

