

**C16 Lactosyl(β) Ceramide (d18:1/16:0)**

D-lactosyl-β-1,1' N-palmitoyl-D-erythro-sphingosine

**860576P-5mg**

Page 1 of 1

|                          |  |
|--------------------------|--|
| <b>Molecular Weight</b>  | 862.182  |
| <b>Chemical Formula</b>  | C <sub>46</sub> H <sub>87</sub> NO <sub>13</sub> |
| <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>      | 6020PHE012                                       |
| <b>Avanti Lot Number</b> | 860576P-5MG-E-012                                |

| ANALYSIS                          | SPECIFICATION   | RESULTS                        |
|-----------------------------------|---|--------------------------------|
| Physical Examination              | <b>Powder:</b> White solid which contains no foreign matter   | Pass                           |
| TLC<br>(7:3 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> = 863.182 ± 1 amu  | [M+H] <sup>+</sup> = 862.5 amu |

 Approved By: *Anderson Thomas*

For Research Use Only. Not For Human Use.