

**C12 Mono-Sulfo Galactosyl(β) Ceramide (d18:1/12:0)**

3-O-sulfo-D-galactosyl-β1-1'-N-lauroyl-D-erythro-sphingosine (ammonium salt), (synthetic)

**860573P-1mg**
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|                          |                                                                  |
|--------------------------|------------------------------------------------------------------|
| <b>Molecular Weight</b>  | 741.029                                                          |
| <b>Chemical Formula</b>  | C <sub>36</sub> H <sub>72</sub> N <sub>2</sub> O <sub>11</sub> S |
| <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>      | 6017PGA013                                                       |
| <b>Avanti Lot Number</b> | 860573P-1MG-A-013                                                |

| ANALYSIS             | SPECIFICATION                                                                                                                           | RESULTS                                       |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Physical Examination | <b>Powder:</b> White solid which contains no foreign matter                                                                             | Pass                                          |
| TLC                  | >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-NH <sub>4</sub> ] <sup>+</sup> = 723.029 ± 1 amu                                                                                     | [M-NH <sub>4</sub> ] <sup>+</sup> = 722.9 amu |

Approved By:



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