

## C18 Galactosyl(β) Ceramide (d18:1/18:0)

D-galactosyl-β-1,1'-N-stearoyl-D-erythro-sphingosine

860844P-5mg

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|                          |                                                 |
|--------------------------|-------------------------------------------------|
| <b>Molecular Weight</b>  | 728.094                                         |
| <b>Chemical Formula</b>  | C <sub>42</sub> H <sub>81</sub> NO <sub>8</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>      | 6135PHA011                                      |
| <b>Avanti Lot Number</b> | 860844P-5MG-A-011                               |

| 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: 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> = 729.094 ± 1 amu                                                                                                    | [M+H] <sup>+</sup> = 729.1amu |

Approved by:

