

## Galactosyl(β) Sphingosine (d18:1)

D-galactosyl-β1-1'-D-erythro-sphingosine

860537P-25mg

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|                          |                                                 |
|--------------------------|-------------------------------------------------|
| <b>Molecular Weight</b>  | 461.632                                         |
| <b>Chemical Formula</b>  | C <sub>24</sub> H <sub>47</sub> NO <sub>7</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>      | 5987PJB021                                      |
| <b>Avanti Lot Number</b> | 860537P-25MG-B-021                              |

| ANALYSIS                                                     | SPECIFICATION                                                                                                                           | RESULTS                        |
|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Physical examination                                         | <b>Powder:</b> White solid which contains no foreign matter.                                                                            | Pass                           |
| TLC<br>(65:35:8 Chloroform: Methanol:<br>Ammonium Hydroxide) | >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> = 462.632 ± 1 amu                                                                                                    | [M+H] <sup>+</sup> = 462.5 amu |

Approved by:

