

**C12 Glucosyl(β) Ceramide (d18:1/12:0)**  
**D-glucosyl-β-1,1'-N-lauroyl-D-erythro-sphingosine**  
**860543P-5mg**

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**Molecular Weight** 643.935  
**Chemical Formula** C<sub>36</sub>H<sub>69</sub>NO<sub>8</sub>  
**Physical State** Powder  
**Storage** -20 °C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5993PHA015  
**Avanti Lot Number** 860543P-5MG-A-015

| ANALYSIS                                                  | SPECIFICATION                                                                                                                           | RESULTS                        |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Physical examination                                      | <b>Powder:</b> White solid which contains no foreign matter.                                                                            | Pass                           |
| TLC<br>(80:20:2 Chloroform: Methanol: Ammonium Hydroxide) | >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> = 644.935 ± 1 amu                                                                                                    | [M+H] <sup>+</sup> = 644.9 amu |

Approved by:

