

## Ganglioside GM3 (Bovine Milk)

GM3 Ganglioside (Milk, Bovine-Ammonium Salt)

860058-25mg

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|                          |                                |
|--------------------------|--------------------------------|
| <b>Molecular Weight</b>  | 1268.653 (predominant species) |
| <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>      | 5867PJA020                     |
| <b>Avanti Lot Number</b> | 860058P-25MG-A-020             |

| ANALYSIS                                   | SPECIFICATION                                                                                                                           | RESULTS                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Physical Examination                       | <b>Powder:</b> White solid which contains no foreign matter                                                                             | Pass                      |
| TLC<br>(5:4:1 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                          | $[M-NH_4]^+ = 1250.653 \pm 1$ amu<br>(predominant species)                                                                              | $[M-NH_4]^+ = 1250.2$ amu |



Approved By:

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