

**C18:0-d7 GD2 Ceramide (d18:1/18:0-d7), synthetic**

C18:0-d7 GD2 Ganglioside (GalNAcb1,4(Neu5Aca2,8Neu5Aca2,3)Galb1,4Glc-Ceramide(d18:1/18:0-d7))

**860124W-100UG**

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**Molecular Weight** 1683.0  
**Chemical Formula** C<sub>78</sub>H<sub>131</sub>D<sub>7</sub>N<sub>4</sub>O<sub>34</sub>  
**Physical State** Methanol  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 7197WDA010  
**Avanti Lot Number** 860124W-100UG-A-010

| ANALYSIS             | SPECIFICATION                                                                                                                | RESULTS                                                                                                   |
|----------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Physical Examination | Methanol: Clear solution with no foreign matter.                                                                             | Pass                                                                                                      |
| Proton NMR           | NMR spectrum consistent with structure                                                                                       | Consistent with structure                                                                                 |
| UHPLC-ELSD           | >97% purity (AUC)                                                                                                            | 100% purity (AUC)                                                                                         |
| LC-TOF/MS            | >97% purity<br>Run and report isotopic purity<br>[M-H] <sup>-</sup> = 1682.0 ± 1 amu<br>[M-2H] <sup>2-</sup> = 840.5 ± 1 amu | 100% purity<br>94% isotopic purity<br>[M-H] <sup>-</sup> = 1681.0 amu<br>[M-2H] <sup>2-</sup> = 840.0 amu |

Approved By:



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