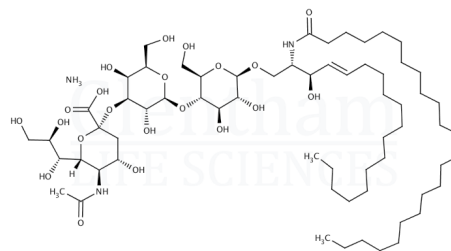


## Certificate of Analysis

|                   |                                   |
|-------------------|-----------------------------------|
| Product Name      | GM3-Ganglioside                   |
| Glentham Code     | GC6381                            |
| CAS Number        | 54827-14-4                        |
| MDL Number        | MFCD00131139                      |
| PubChem SID       | 310274323                         |
| Batch Number      | 442WMD                            |
| Molecular Weight  | 1203.5                            |
| Molecular Formula | $C_{59}H_{107}N_2O_{21} \cdot Na$ |
| Storage Temp.     | -20°C                             |



| Property                                   | Specification                              | Batch 442WMD     |
|--|--|------------------|
| Physical Description                       | White to light-yellow powder               | Off-white powder |
| Identification (1H-NMR)                    | To conform to standard                     | Conforms         |
| Solubility (2% in chloroform:methanol 2:1) | Clear, colourless to light-yellow solution | Conforms         |
| Purity (TLC)                               | ≥ 98.0%                                    | Conforms         |

|                       |            |
|-----------------------|------------|
| Specification Version | v1.0       |
| Manufacture Date      | 2018-05-15 |
| Re-Test Date          | 2025-01-15 |

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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