

**n-dodecyl-β-D-maltoside (DDM)**

n-dodecyl-β-D-maltopyranoside

**850520P-1g**

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|                          |   |
|--------------------------|---|
| <b>Molecular Weight</b>  | 510.615   |
| <b>Chemical Formula</b>  | C <sub>24</sub> H <sub>46</sub> O <sub>11</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>      | 5700PQB033                                      |
| <b>Avanti Lot Number</b> | 850520P-1G-B-033                                |

| ANALYSIS                                     | SPECIFICATION   | RESULTS                                       |
|--|---|---|
| Physical Examination                         | <b>Powder:</b> White solid which contains no foreign matter   | Pass  |
| TLC<br>(80:20:2 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 <sub>4</sub> ] <sup>+</sup> = 528.615 ± 1 amu   | [M+NH <sub>4</sub> ] <sup>+</sup> = 528.5 amu |



Approved By:

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