

**1,3-17:0 D5 DG**

**1,3 diheptadecanoyl-glycerol (d5)**

**800854P-1MG**

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|                          |                                                               |
|--------------------------|---------------------------------------------------------------|
| <b>Molecular Weight</b>  | 602.01                                                        |
| <b>Chemical Formula</b>  | C <sub>37</sub> H <sub>67</sub> D <sub>5</sub> O <sub>5</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>      | 6555PGG011                                                    |
| <b>Avanti Lot Number</b> | 800854P-1MG-G-011                                             |

| ANALYSIS                          | SPECIFICATION                                                                                                                           | RESULTS                                                                                                                                 |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Physical Examination              | <b>Powder:</b> White powder which contains no foreign matter                                                                            | Pass                                                                                                                                    |
| TLC<br>(95:5 Chloroform: Acetone) | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: negative<br>Charring: negative<br>Water dip: one major spot | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: negative<br>Charring: negative<br>Water dip: one major spot |
| Proton NMR                        | NMR spectrum consistent with structure                                                                                                  | Consistent with structure                                                                                                               |
| Mass Spectroscopy                 | [M+NH <sub>4</sub> ] <sup>+</sup> = 620.01 ± 1 amu                                                                                      | [M+NH <sub>4</sub> ] <sup>+</sup> = 620.0 amu                                                                                           |
| FAME (GC/FID)                     | NLT 99% (AUC)                                                                                                                           | 100% (AUC)                                                                                                                              |
| HPLC-ELSD                         | NLT 99% (AUC)                                                                                                                           | 100% (AUC)                                                                                                                              |

Approved By:



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