

**1,3-14:0 D5 DG****1,3-ditetradecanoyl glycerol (d5)****800850P-1mg****Page 1 of 1**

**Molecular Weight** 517.85  
**Chemical Formula** C<sub>31</sub>H<sub>55</sub>D<sub>5</sub>O<sub>5</sub>  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 6553PGB011  
**Avanti Lot Number** 800850P-1MG-B-011

| ANALYSIS             | SPECIFICATION   | RESULTS                                       |
|----------------------|---|---|
| Physical Examination | <b>Powder:</b> White solid which contains no foreign matter   | Pass  |
| TLC                  | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: negative<br>Charring: negative<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> = 535.85 ± 1 amu  | [M+NH <sub>4</sub> ] <sup>+</sup> = 535.8 amu |
| HPLC-ELSD            | NLT 99% (AUC)   | 99.9% (AUC)                                   |

Approved By: *Anderson Thomas*

For Research Use Only. Not For Human Use.