

**18:1 DG****1-2-dioleoyl-sn-glycerol****800811C-10mg****Page 1 of 1**

**Molecular Weight** 620.986  
**Chemical Formula** C<sub>39</sub>H<sub>72</sub>O<sub>5</sub>  
**Physical State** Chloroform  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5296CIA059  
**Avanti Lot Number** 800811C-10MG-A-059

| ANALYSIS                          | SPECIFICATION                                                                                                                           | RESULTS                                       |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Physical examination              | <b>Chloroform:</b> Clear solution with 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: positive<br>Water dip: one major spot | All Pass                                      |
| HPLC-ELSD                         | NLT 99% (AUC)                                                                                                                           | 100% (AUC)                                    |
| FAME (GC/FID)                     | NLT 99% 18:1 (AUC)                                                                                                                      | 100% (AUC)                                    |
| Mass Spectroscopy                 | [M+NH <sub>4</sub> ] <sup>+</sup> = 638.986 ± 1 amu                                                                                     | [M+NH <sub>4</sub> ] <sup>+</sup> = 638.7 amu |

Approved By:

