

**18:1 DG**

**1-2-dioleoyl-sn-glycerol**

**800811O-500mg**

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|                          |                                                |
|--------------------------|------------------------------------------------|
| <b>Molecular Weight</b>  | 620.986                                        |
| <b>Chemical Formula</b>  | C <sub>39</sub> H <sub>72</sub> O <sub>5</sub> |
| <b>Physical State</b>    | Oil                                            |
| <b>Storage</b>           | -20°C                                          |
| <b>Expiration Date</b>   | One year from date of receipt                  |
| <b>M Lot Number</b>      | 5296OPA063                                     |
| <b>Avanti Lot Number</b> | 800811O-500MG-A-063                            |

| ANALYSIS                          | SPECIFICATION                                                                                                                           | RESULTS                                        |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Physical Examination              | Oil: Clear, viscous liquid 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                                       |
| Proton NMR                        | NMR spectrum consistent with structure                                                                                                  | Consistent with structure                      |
| 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> = 638.73 amu |

*Melissa Bolin*

Approved By:

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