

**16:0-18:1 DG**

**1-palmitoyl-2-oleoyl-sn-glycerol**

**800815C-10mg**

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|                          |                                                |
|--------------------------|------------------------------------------------|
| <b>Molecular Weight</b>  | 594.949                                        |
| <b>Chemical Formula</b>  | C <sub>37</sub> H <sub>70</sub> O <sub>5</sub> |
| <b>Physical State</b>    | Chloroform                                     |
| <b>Storage</b>           | -20°C                                          |
| <b>Expiration Date</b>   | One year from date of receipt                  |
| <b>M Lot Number</b>      | 5299CIB036                                     |
| <b>Avanti Lot Number</b> | 800815C-10MG-B-036                             |

| ANALYSIS                          | SPECIFICATION                                                                                                                           | RESULTS                                                                                                                                 |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Physical Examination              | <b>Chloroform:</b> Clear solution 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: positive<br>Water dip: one major spot | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: negative<br>Charring: positive<br>Water dip: one major spot |
| FAME (GC/FID)                     | 50 ± 5% 16:0 (AUC)<br>50 ± 5% 18:1 (AUC)<br>NLT 99% total                                                                               | 47.1% 16:0 (AUC)<br>52.8% 18:1 (AUC)<br>99.9% total                                                                                     |
| HPLC-ELSD                         | NLT 99% (AUC)                                                                                                                           | 100% (AUC)                                                                                                                              |
| Mass Spectroscopy                 | [M+NH <sub>4</sub> ] <sup>+</sup> = 612.949 ± 1 amu                                                                                     | [M+NH <sub>4</sub> ] <sup>+</sup> = 612.7 amu                                                                                           |
| Proton NMR                        | NMR spectrum consistent with structure                                                                                                  | Consistent with structure                                                                                                               |

Approved By:



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