

**16:0-22:6 PA**

**1-palmitoyl-2-docosahexaenoyl-sn-glycero-3-phosphate (sodium salt)**

**840860C-25mg**

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|                          |                                                    |
|--------------------------|----------------------------------------------------|
| <b>Molecular Weight</b>  | 742.937                                            |
| <b>Chemical Formula</b>  | C <sub>41</sub> H <sub>68</sub> O <sub>8</sub> PNa |
| <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>      | 5563CJA040                                         |
| <b>Avanti Lot Number</b> | 840860C-25MG-A-040                                 |

| ANALYSIS             | SPECIFICATION                                                                                                                           | RESULTS                                          |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Physical Examination | <b>Powder:</b> White solid which contains no foreign matter<br><b>Chloroform:</b> Clear solution which contains no foreign matter       | Pass                                             |
| TLC                  | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: positive<br>Water dip: one major spot | All Pass                                         |
| UV Oxidation         | NMT 5% total all wavelengths                                                                                                            | 0.84%                                            |
| FAME (GC/FID)        | 50 ± 5% 16:0 AUC<br>50 ± 5% 22:6 AUC<br>NLT 99% total (AUC)                                                                             | 43% 16:0 AUC<br>57% 22:6 AUC<br>100% total (AUC) |
| Proton NMR           | NMR spectrum consistent with structure                                                                                                  | Consistent with structure                        |
| Mass Spectroscopy    | [M-Na] <sup>+</sup> = 719.937 ± 1 amu                                                                                                   | [M-Na] <sup>+</sup> = 719.91 amu                 |
| Calcium (ICP/MS)     | NMT 500ppm                                                                                                                              | None Detected                                    |

Approved By: 

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