

**16:0-22:6 PC**

**1-palmitoyl-2-docosahexaenoyl-sn-glycero-3-phosphocholine**

**850461C-25mg**

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|                          |                                                   |
|--------------------------|---------------------------------------------------|
| <b>Molecular Weight</b>  | 806.103                                           |
| <b>Molecular Formula</b> | C <sub>46</sub> H <sub>80</sub> NO <sub>8</sub> P |
| <b>Physical State</b>    | Chloroform                                        |
| <b>Storage</b>           | -20°C                                             |
| <b>Expiration Date</b>   | Three months from date of receipt                 |
| <b>M Lot Number</b>      | 5682CJD056                                        |
| <b>Avanti Lot Number</b> | 850461C-25MG-D-056                                |

| ANALYSIS             | SPECIFICATION                                                                                                                           | RESULTS                                                  |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Physical Examination | Chloroform: Clear solution with 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                                                 |
| Proton NMR           | NMR spectrum consistent with structure                                                                                                  | Consistent with structure                                |
| FAME (GC/FID)        | NLT 50% ± 5% 16:0 (AUC)<br>NLT 50% ± 5% 22:6 (AUC)<br>NLT 99% Total (AUC)                                                               | 46.8% 16:0 (AUC)<br>53.2% 22:6 (AUC)<br>100% total (AUC) |
| UV Oxidation         | NMT 5% total all wavelengths                                                                                                            | 0.30% total all wavelengths                              |
| Mass Spectroscopy    | [M+H] <sup>+</sup> = 807.1 ± 1 amu                                                                                                      | [M+H] <sup>+</sup> = 806.9 amu                           |

Approved By:



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