

**18:0-22:6 PC**

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

**850472C-25mg**

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|                          |   |
|--------------------------|---|
| <b>Molecular Weight</b>  | 834.156   |
| <b>Chemical Formula</b>  | C <sub>48</sub> H <sub>84</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>      | 5688CJG050  |
| <b>Avanti Lot Number</b> | 850472C-25MG-G-050                                |

| ANALYSIS             | SPECIFICATION   | RESULTS  |
|----------------------|---|--|
| Physical Examination | <b>Chloroform:</b> 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                      |
| UV Oxidation         | NMT 5% total all wavelengths  | 1% total                                       |
| FAME (GC/FID)        | NLT 50% ± 5% 18:0 (AUC)<br>NLT 50% ± 5% 22:6 (AUC)<br>NLT 99% total   | 46% 18:0 (AUC)<br>54% 22:6 (AUC)<br>100% total |
| Mass Spectroscopy    | [M+H] <sup>+</sup> = 835.156 ± 1 amu  | [M+H] <sup>+</sup> = 835.0 amu                 |

Approved By:



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