

**18:0-20:4 PC**

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

**850469C-200mg**

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|                          |                                                   |
|--------------------------|---------------------------------------------------|
| <b>Molecular Weight</b>  | 810.135                                           |
| <b>Chemical Formula</b>  | C <sub>46</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>      | 5687CNG117                                        |
| <b>Avanti Lot Number</b> | 850469C-200MG-G-117                               |

| ANALYSIS             | SPECIFICATION                                                                                                                           | SOP                                     |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| 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                                |
| UV Oxidation         | NMT 5% total all wavelengths                                                                                                            | 0.33% total all wavelengths             |
| FAME (GC/FID)        | NLT 50% ± 5% 18:0 (AUC)<br>NLT 50% ± 5% 20:4 (AUC)<br>NLT 99% Total                                                                     | 47.4% 18:0<br>52.3% 20:4<br>99.7% TOTAL |
| Mass Spectroscopy    | [M+H] <sup>+</sup> = 811.135 ± 1 amu                                                                                                    | [M+H] <sup>+</sup> = 810.6 amu          |

Approved by:

