

**18:0-18:1 PE**  
**1-stearoyl-2-oleoyl-sn-glycero-3-phosphoethanolamine**  
**850758P-200mg**

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**Molecular weight** 746.05  
**Chemical formula** C<sub>41</sub>H<sub>80</sub>NO<sub>8</sub>P  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5742PNB036  
**Avanti Lot Number** 850758P-200MG-B-036

| ANALYSIS             | SPECIFICATION                                                                                                                           | RESULTS                                                                                                                                 |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Physical Examination | <b>Powder:</b> White solid which contains no foreign matter                                                                             | Pass                                                                                                                                    |
| TLC                  | >99% Purity<br>Ninhydrin: positive<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: positive<br>Water dip: one major spot | >99% Purity<br>Ninhydrin: positive<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: positive<br>Water dip: one major spot |
| Proton NMR           | NMR spectrum consistent with structure                                                                                                  | Consistent with structure                                                                                                               |
| Phosphorus NMR       | NMR spectrum consistent with structure                                                                                                  | Consistent with structure                                                                                                               |
| FAME (GC/FID)        | 50 ± 5% 18:0 (AUC)<br>50 ± 5% 18:1 (AUC)<br>NLT 99% total                                                                               | 50.7% 18:0 (AUC)<br>49.3% 18:1 (AUC)<br>100% total                                                                                      |
| Mass Spectroscopy    | [M+H] <sup>+</sup> = 747.1 ± 1 amu                                                                                                      | [M+H] <sup>+</sup> = 746.6 amu                                                                                                          |

Approved By:



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