

**18:1 Lyso PS**

1-oleoyl-2-hydroxy-sn-glycero-3-phospho-L-serine (sodium salt)

**858143P-10mg**

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|                          |   |
|--------------------------|---|
| <b>Molecular Weight</b>  | 545.579   |
| <b>Chemical Formula</b>  | C <sub>24</sub> H <sub>45</sub> NO <sub>9</sub> PNa |
| <b>Physical State</b>    | Powder  |
| <b>Storage</b>           | -20°C   |
| <b>Expiration Date</b>   | One year from date of receipt                       |
| <b>M Lot Number</b>      | 5859PIB037  |
| <b>Avanti Lot Number</b> | 858143P-10MG-B-037                                  |

| 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 | All Pass  |
| FAME (GC/FID)        | NLT 99% 18:1 (AUC)  | 100% (AUC)  |
| Proton NMR           | NMR spectrum consistent with structure  | Consistent with structure   |
| Mass Spectroscopy    | [M-H] <sup>-</sup> = 544.579 ± 1 amu<br>[M-Na] <sup>-</sup> = 522.579 ± 1 amu   | [M-H] <sup>-</sup> = 544.6 amu<br>[M-Na] <sup>-</sup> = 522.6 amu |
| Calcium (ICP/MS)     | NMT 500ppm  | 301 ppm   |

Approved by:

