

**13:0 Lyso PS**

1-tridecanoyl-sn-glycero-3-phospho-L-serine (sodium salt)

**858140P-1mg**

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|                          |   |
|--------------------------|---|
| <b>Molecular Weight</b>  | 477.462   |
| <b>Chemical Formula</b>  | C <sub>19</sub> H <sub>37</sub> NNaO <sub>9</sub> P |
| <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>      | 5856PGC010  |
| <b>Avanti Lot Number</b> | 858140P-1MG-C-010                                   |

| 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: negative<br>Water dip: one major spot | All pass                        |
| FAME (GC/FID)        | NLT 99% 13:0 (AUC)  | 100% 13:0 (AUC)                 |
| Calcium (ICP/MS)     | NMT 500ppm  | None detected                   |
| Proton NMR           | NMR spectrum consistent with structure  | Consistent with structure       |
| Mass Spectroscopy    | [M-Na] <sup>+</sup> = 454.5 ± 1 amu   | [M-Na] <sup>+</sup> = 454.4 amu |

Approved by:

