

**06:0 PS**

**1,2-dihexanoyl-sn-glycero-3-phospho-L-serine (sodium salt)**

**840030C-25mg**

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|                          |                                                      |
|--------------------------|------------------------------------------------------|
| <b>Molecular Weight</b>  | 477.419                                              |
| <b>Chemical Formula</b>  | C <sub>18</sub> H <sub>33</sub> NO <sub>10</sub> PNa |
| <b>Physical State</b>    | Chloroform                                           |
| <b>Storage</b>           | -20 °C                                               |
| <b>Expiration Date</b>   | One year from date of receipt                        |
| <b>M Lot Number</b>      | 5493CJA038                                           |
| <b>Avanti Lot Number</b> | 840030C-25MG-A-038                                   |

| ANALYSIS             | SPECIFICATION                                                                                                                           | RESULTS                         |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Physical examination | <b>Chloroform:</b> Clear solution with 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% 06:0 (AUC)                                                                                                                      | 100% 6:0 (AUC)                  |
| Calcium (ICP/MS)     | NMT 500ppm                                                                                                                              | None detected                   |
| Mass Spectroscopy    | Negative mode:<br>[M-Na] <sup>-</sup> = 454.419 ± 1 amu<br>or<br>Positive mode:<br>[M-Na+2H] <sup>+</sup> = 456.419 ± 1 amu             | [M-Na] <sup>-</sup> = 454.3 amu |

Approved by:

