

**18:1 Lyso PC**

1-oleoyl-2-hydroxy-sn-glycero-3-phosphocholine

**845875C-200mg**

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|                          |   |
|--------------------------|---|
| <b>Molecular Weight</b>  | 521.667   |
| <b>Chemical Formula</b>  | C <sub>26</sub> H <sub>52</sub> NO <sub>7</sub> P |
| <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>      | 5577CNB072  |
| <b>Avanti Lot Number</b> | 845875C-200MG-B-072                               |

| ANALYSIS                  | SPECIFICATION   | RESULTS                        |
|---------------------------|---|--------------------------------|
| 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                       |
| FAME (GC/FID)             | NLT 99% 18:1 (AUC)  | 99.6% (AUC)                    |
| Phosphorus Assay (UV/Vis) | 95-105% recovery phosphorus   | Pass                           |
| Calcium (ICP/MS)          | NMT 500 ppm Ca  | None Detected                  |
| Proton NMR                | NMR spectrum consistent with reference structure  | Consistent with structure      |
| Mass Spectroscopy         | [M+H] <sup>+</sup> = 522.667 ± 1 amu  | [M+H] <sup>+</sup> = 522.3 amu |

Approved By:



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