

## 18:2 Lyso PA

1-linoleoyl-2-hydroxy-sn-glycero-3-phosphate (sodium salt)

857138C-10mg

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|                          |                                                    |
|--------------------------|----------------------------------------------------|
| <b>Molecular Weight</b>  | 456.486                                            |
| <b>Chemical Formula</b>  | C <sub>21</sub> H <sub>38</sub> NaO <sub>7</sub> P |
| <b>Physical State</b>    | Chloroform                                         |
| <b>Storage</b>           | -20°C                                              |
| <b>Expiration Date</b>   | Three months from date of receipt                  |
| <b>M Lot Number</b>      | 5806CIX019                                         |
| <b>Avanti Lot Number</b> | 857138C-10MG-X-019                                 |

| 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                        |
| UV Oxidation         | NMT 5% total all wavelengths                                                                                                            | 0% total                        |
| FAME (GC/FID)        | NLT 99% 18:2 (AUC)                                                                                                                      | 99% (AUC)                       |
| Proton NMR           | NMR spectrum consistent with structure                                                                                                  | Consistent with structure       |
| Phosphorus Assay     | 95-105% recovery phosphorus                                                                                                             | 98% recovery                    |
| Calcium (ICP/MS)     | NMT 500 ppm                                                                                                                             | None Detected                   |
| Mass Spectroscopy    | [M-Na] <sup>+</sup> = 433.486 ± 1 amu                                                                                                   | [M-Na] <sup>+</sup> = 433.3 amu |

Approved By:



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