

**18:2 Lyso PA**

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

**857138C-25mg**

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**Molecular Weight** 456.486  
**Chemical Formula** C<sub>21</sub>H<sub>38</sub>NaO<sub>7</sub>P  
**Physical State** Chloroform  
**Storage** -20°C  
**Expiration Date** Three months from date of receipt  
**M Lot Number** 5806CJH019  
**Avanti Lot Number** 857138C-25MG-H-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                                                                                                            | 0.16% total                     |
| FAME (GC/FID)        | NLT 99% 18:2 (AUC)                                                                                                                      | 99.1% (AUC)                     |
| Proton NMR           | NMR spectrum consistent with structure                                                                                                  | Consistent with structure       |
| Phosphorus Assay     | 95-105% Recovery phosphorus                                                                                                             | 97.8% 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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