

**18:1 Cyclic LPA**

1-oleoyl-sn-glycero-2,3-cyclic-phosphate (ammonium salt)

**857328P-1mg**

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|                          |   |
|--------------------------|---|
| <b>Molecular Weight</b>  | 435.535   |
| <b>Chemical Formula</b>  | C <sub>21</sub> H <sub>42</sub> NO <sub>6</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>      | 5815PGE013  |
| <b>Avanti Lot Number</b> | 857328P-1MG-E-013                                 |

| ANALYSIS             | SPECIFICATION   | RESULTS                                       |
|----------------------|---|---|
| Physical Examination | <b>Powder:</b> White solid which contains 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                                      |
| Proton NMR           | NMR spectrum consistent with structure  | Consistent with structure                     |
| Mass Spectroscopy    | [M-NH <sub>4</sub> ] <sup>+</sup> = 417.535 ± 1 amu   | [M-NH <sub>4</sub> ] <sup>+</sup> = 417.1 amu |

Approved by:



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