### 18:1 PS (DOPS)
1,2-dioleoyl-sn-glycero-3-phospho-L-serine (sodium salt)

<table>
<thead>
<tr>
<th>840035C-500mg</th>
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**Molecular Weight** | 810.03 |
**Chemical Formula** | C₄₂H₇₇NO₁₀PNa |
**Physical State** | Chloroform |
**Storage** | -20°C |
**Expiration Date** | One year from date of receipt |
**M Lot Number** | 5498CPA380 |
**Avanti Lot Number** | 840035C-500MG-A-380 |

### ANALYSIS

<table>
<thead>
<tr>
<th><strong>SPECIFICATION</strong></th>
<th><strong>RESULTS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical Examination</strong></td>
<td>Chloroform: Clear solution with no foreign matter</td>
</tr>
</tbody>
</table>
| **TLC** | >99% Purity  
Ninhydrin: positive  
Iodine: one major spot  
Phosphorus: positive  
Charring: positive  
Water dip: one major spot | All Pass |
| **HNMR** | Consistent with structure | Consistent with structure |
| **FAME (GC/FID)** | NLT 99% 18:1 (AUC) | 100% (AUC) |
| **Calcium (ICP/MS)** | NMT 500 ppm | None Detected |
| **Mass Spectroscopy** | Negative mode: [M-Na]- = 787.03 ± 1 amu  
Positive mode: [M-Na+2H]+ = 789.03 ± 1 amu | [M-Na]- = 786.7 amu |

Approved By: Melissa Bolin