## 18:1 PI(4)P

1,2-dioleoyl-sn-glycero-3-phospho-(1'-myo-inositol-4'-phosphate) (ammonium salt)

850151P-100ug

**Molecular Weight**: 977.147  
**Chemical Formula**: C_{45}H_{90}N_{2}O_{16}P_{2}  
**Physical State**: Powder  
**Storage**: -20°C  
**Expiration Date**: One year from date of receipt  
**M Lot Number**: 5602PDD015  
**Avanti Lot Number**: 850151P-100UG-D-015

### ANALYSIS

<table>
<thead>
<tr>
<th>Physical examination</th>
<th>Specification</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Powder: White solid which contains no foreign matter.</td>
<td>Pass</td>
<td></td>
</tr>
</tbody>
</table>

| TLC  
(45:35:7.7:2.3 Chloroform: Methanol: Water: Ammonium Hydroxide) | >99% Purity  
Ninhydrin: negative  
Iodine: one major spot  
Phosphorus: positive  
Charring: positive  
Water dip: one major spot | All pass |

<table>
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<tr>
<th>Mass Spectroscopy</th>
<th>Results</th>
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</thead>
</table>
| [M-2NH₄+H]⁻ = 942.147 ± 1amu  
[M-2NH₄]²⁻ = 470.574 ± 1amu | [M-2NH₄⁺H]⁻ = 941.6 amu  
[M-2NH₄]²⁻ = 470.7amu |

Approved by: [Signature]