18:1 PI(3,5)P2
1,2-dioleoyl-sn-glycero-3-phospho-(1'-myo-inositol-3',5'-bisphosphate) (ammonium salt)

850154P-500ug

<table>
<thead>
<tr>
<th>Molecular Weight</th>
<th>1074.158</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Formula</td>
<td>C_{45}H_{94}N_{3}O_{19}P_{3}</td>
</tr>
<tr>
<td>Physical State</td>
<td>Powder</td>
</tr>
<tr>
<td>Storage</td>
<td>-20°C</td>
</tr>
<tr>
<td>Expiration Date</td>
<td>One year from date of receipt</td>
</tr>
<tr>
<td>M Lot Number</td>
<td>5605PFB012</td>
</tr>
<tr>
<td>Avanti Lot Number</td>
<td>850154P-500UG-B-012</td>
</tr>
</tbody>
</table>

**ANALYSIS**

<table>
<thead>
<tr>
<th>Physical Examination</th>
<th><strong>SPECIFICATION</strong></th>
<th><strong>RESULTS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Powder: White solid which contains no foreign matter</td>
<td>Proportionally consistent with structure</td>
<td>Consistent with structure</td>
</tr>
<tr>
<td>&gt;99% Purity</td>
<td>Ninhydrin: negative</td>
<td>Consistent with structure</td>
</tr>
<tr>
<td>Iodine: one major spot</td>
<td>Phosphorus: positive</td>
<td>Consistent with structure</td>
</tr>
<tr>
<td>Charring: positive</td>
<td>Water dip: one major spot</td>
<td>Consistent with structure</td>
</tr>
<tr>
<td>TLC (45:35:7.7:2.3 Chloroform: Methanol: Water: Ammonium Hydroxide)</td>
<td>NMR spectrum consistent with structure</td>
<td>Consistent with structure</td>
</tr>
<tr>
<td>Proton NMR</td>
<td>NMR spectrum consistent with structure</td>
<td>Consistent with structure</td>
</tr>
<tr>
<td>Phosphorus NMR</td>
<td>NMR spectrum consistent with structure</td>
<td>Consistent with structure</td>
</tr>
<tr>
<td>Mass Spectroscopy</td>
<td>NMR spectrum consistent with structure</td>
<td>Consistent with structure</td>
</tr>
<tr>
<td>Calcium (ICP/MS)</td>
<td>NMR spectrum consistent with structure</td>
<td>Consistent with structure</td>
</tr>
</tbody>
</table>

Approved by: [Signature]