**Sphingosine-1-Phosphate (d18:1)**

**D-erythro-sphingosine-1-phosphate**

860492P-25mg

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<table>
<thead>
<tr>
<th><strong>Molecular Weight</strong></th>
<th>379.472</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chemical Formula</strong></td>
<td>C₁₈H₃₈NO₅P</td>
</tr>
<tr>
<td><strong>Physical State</strong></td>
<td>Powder</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>-20°C</td>
</tr>
<tr>
<td><strong>Expiration Date</strong></td>
<td>One year from date of receipt</td>
</tr>
<tr>
<td><strong>M Lot Number</strong></td>
<td>5952PJA020</td>
</tr>
<tr>
<td><strong>Avanti Lot Number</strong></td>
<td>860492P-25MG-A-020</td>
</tr>
</tbody>
</table>

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### ANALYSIS  | SPECIFICATION  | RESULTS  |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Examination</td>
<td>Powder: White solid which contains no foreign matter.</td>
<td>Pass</td>
</tr>
<tr>
<td>TLC</td>
<td>&gt;99% Purity</td>
<td></td>
</tr>
<tr>
<td>(5:15:3 Chloroform: Methanol: DMA)</td>
<td>Ninhydrin: positive</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Iodine: one major spot</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Phosphorus: positive</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Charring: positive</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Water dip: one major spot</td>
<td>All Pass</td>
</tr>
<tr>
<td>Proton NMR</td>
<td>NMR spectrum consistent with structure</td>
<td>Consistent with structure</td>
</tr>
</tbody>
</table>

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Approved by: [Signature]