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

D-erythro-sphingosine-1-phosphate

860492P-5mg

<table>
<thead>
<tr>
<th>Molecular Weight</th>
<th>379.472</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Formula</td>
<td>C_{18}H_{38}NO_{5}P</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>5952PHA020</td>
</tr>
<tr>
<td>Avanti Lot Number</td>
<td>860492P-5MG-A-020</td>
</tr>
</tbody>
</table>

### Physical Examination

**Powder:** White solid which contains no foreign matter.

- Pass

### TLC (5:15:3 Chloroform:Methanol:DMA)

- >99% Purity
- Ninhydrin: positive
- Iodine: one major spot
- Phosphorus: positive
- Charring: positive
- Water dip: one major spot

- All Pass

### Proton NMR

NMR spectrum consistent with structure

- Consistent with structure

### Mass Spectroscopy

- \([M+H]^+ = 380.472 \pm 1 \text{ amu}\)
- \([M+H]^+ = 380.4 \text{ amu}\)

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**Approved by:**

[Signature]