C16 Ceramide (d18:1/16:0)
N-palmitoyl-D-erythro-sphingosine

860516P-50mg

<table>
<thead>
<tr>
<th><strong>Molecular Weight</strong></th>
<th>537.901</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chemical Formula</strong></td>
<td>C_{34}H_{67}NO_{3}</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>5968PKB020</td>
</tr>
<tr>
<td><strong>Avanti Lot Number</strong></td>
<td>860516P-50MG-B-020</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANALYSIS</th>
<th>SPECIFICATION</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical examination</td>
<td><strong>Powder</strong>: White solid which contains no foreign matter.</td>
<td>Pass</td>
</tr>
<tr>
<td>TLC</td>
<td>&gt;99% Purity</td>
<td>All Pass</td>
</tr>
<tr>
<td></td>
<td>Ninhydrin: negative</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Iodine: one major spot</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Phosphorus: negative</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></td>
</tr>
<tr>
<td>Proton NMR</td>
<td>NMR spectrum consistent with structure</td>
<td>Consistent with structure</td>
</tr>
<tr>
<td>Mass Spectroscopy</td>
<td>[M+H]^+ = 538.901 ± 1 amu</td>
<td>[M+H]^+ = 539.0 amu</td>
</tr>
</tbody>
</table>

Approved by: [Signature]

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