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

860516P-25mg

Molecular Weight: 537.901
Chemical Formula: C_{34}H_{67}NO_{3}
Physical State: Powder
Storage: -20°C
Expiration Date: One year from date of receipt
Lot Number: 5968PJA022
Avanti Lot Number: 860516P-25MG-A-022

<table>
<thead>
<tr>
<th>ANALYSIS</th>
<th>SPECIFICATION</th>
<th>RESULTS</th>
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<tbody>
<tr>
<td>Physical Examination</td>
<td>Powder: White solid which contains no foreign matter</td>
<td>Pass</td>
</tr>
</tbody>
</table>
| TLC (95:5 Chloroform: Methanol) | >99% Purity  
Ninhydrin: negative  
Iodine: one major spot  
Phosphorus: negative  
Charring: positive  
Water dip: one major spot | All Pass               |
| Proton NMR                  | NMR spectrum consistent with structure       | Consistent with structure |
| Mass Spectroscopy           | $[M+H]^+ = 538.901 \pm 1$ amu               | $[M+H]^+ = 539.0$ amu  |

Approved By: [Signature]

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