C16 Ceramide (d18:1/16:0)
N-palmitoyl-D-erythro-sphingosine
860516P-10mg

Molecular Weight 537.901
Chemical Formula C₃₄H₆₇NO₃
Physical State Powder
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 5968PIA020
Avanti Lot Number 860516P-10MG-A-020

<table>
<thead>
<tr>
<th>ANALYSIS</th>
<th>SPECIFICATION</th>
<th>RESULTS</th>
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<tr>
<td>Physical examination</td>
<td>Powder: White solid which contains no foreign matter.</td>
<td>Pass</td>
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</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 ± 1 amu                           | [M+H]+ = 539.0 amu       |

Approved by:

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