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
M Lot Number 5968PJA020
Avanti Lot Number 860516P-25MG-A-020

<table>
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<tr>
<th>ANALYSIS</th>
<th>SPECIFICATION</th>
<th>RESULTS</th>
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<td>Physical examination</td>
<td>Powder: White solid which contains no foreign matter.</td>
<td>Pass</td>
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| 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: [Signature]