C20 Ceramide (d18:1/20:0)
N-arachidoyl-D-erythro-sphingosine

860520P-5mg

Molecular Weight: 594.007
Chemical Formula: C_{38}H_{75}NO_{3}
Physical State: Powder
Storage: -20°C
Expiration Date: One year from date of receipt
M Lot Number: 5972PHC013
Avanti Lot Number: 860520P-5MG-C-013

<table>
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<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]^+ = 595.007 ± 1 amu                                          | [M+H]^+ = 596.00 amu |

Approved by: