C24 Ceramide (d18:1/24:0)
N-lignoceryl-D-erythro-sphingosine

860524P-10mg

Molecular Weight 650.113
Chemical Formula C_{42}H_{83}NO_{3}
Physical State Powder
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 5976PIC015
Avanti Lot Number 860524P-10MG-C-015

<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>
</tbody>
</table>
| TLC (9:1 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]^+ = 651.113 ± 1 amu                                                   | [M+H]^+ = 651.3 amu    |

Approved by: [Signature]