DSPE-PEG(2000) Maleimide

1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-[maleimide(polyethylene glycol)-2000] (ammonium salt)

880126P-100mg

Molecular Weight 2941.605 (average MW due to polydispersity of PEG)
Physical State Powder
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 6288PLB056
Avanti Lot Number 880126P-100MG-B-056

<table>
<thead>
<tr>
<th>ANALYSIS</th>
<th>SPECIFICATION</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Examination</td>
<td>Powder: White solid which contains no foreign matter</td>
<td>Pass</td>
</tr>
</tbody>
</table>
| TLC (4:1 Dichloromethane: Methanol) | >99% Purity
Ninhydrin: negative
Iodine: one major spot
Phosphorus: positive
Charring: faint positive
Water dip: one major spot | All Pass      |
| HPLC-ELSD                     | NLT 99% (AUC)                                      | 99.2% (AUC)   |
| FAME (GC/FID)                 | NLT 99% 18:0 (AUC)                                 | 100% (AUC)    |
| Proton NMR                    | NMR spectrum consistent with structure              | Consistent with structure |

Approved By: