**18:0-22:6 PE**
1-stearoyl-2-docosahexaenoyl-sn-glycero-3-phosphoethanolamine

**850806C-25mg**

<table>
<thead>
<tr>
<th><strong>Molecular Weight</strong></th>
<th>792.076</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chemical Formula</strong></td>
<td>C_{45}H_{78}NO_{8}P</td>
</tr>
<tr>
<td><strong>Physical State</strong></td>
<td>Chloroform</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>-20°C</td>
</tr>
<tr>
<td><strong>Expiration Date</strong></td>
<td>Three months from date of receipt</td>
</tr>
<tr>
<td><strong>M Lot Number</strong></td>
<td>5750CJA056</td>
</tr>
<tr>
<td><strong>Avanti Lot Number</strong></td>
<td>850806C-25MG-A-056</td>
</tr>
</tbody>
</table>

### ANALYSIS

#### SPECIFICATION

<table>
<thead>
<tr>
<th><strong>Physical Examination</strong></th>
<th>Chloroform: Clear solution with no foreign matter</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TLC</strong></td>
<td>&gt;99% Purity&lt;br&gt;Ninhydrin: positive&lt;br&gt;Iodine: one major spot&lt;br&gt;Phosphorus: positive&lt;br&gt;Charring: positive&lt;br&gt;Water dip: one major spot</td>
</tr>
<tr>
<td><strong>UV Oxidation</strong></td>
<td>NMT 5% total all wavelengths</td>
</tr>
<tr>
<td><strong>FAME (GC/FID)</strong></td>
<td>NLT 50 ± 5% 18:0 (AUC)&lt;br&gt;NLT 50 ± 5% 22:6 (AUC)&lt;br&gt;NLT 99% total</td>
</tr>
<tr>
<td><strong>Mass Spectroscopy</strong></td>
<td>[M+H]^+ = 793.076 ± 1 amu&lt;br&gt;[M+H]^+ = 793.6 amu</td>
</tr>
</tbody>
</table>

#### RESULTS

<table>
<thead>
<tr>
<th><strong>Pass</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>All Pass</strong></td>
</tr>
<tr>
<td>0.61% total</td>
</tr>
<tr>
<td>46% 18:0 (AUC)&lt;br&gt;54% 22:6 (AUC)&lt;br&gt;100% total</td>
</tr>
</tbody>
</table>

Approved By: 

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