## Cholesterol

**Ovine Wool, >98%**

**700000P-100mg**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular Weight</td>
<td>386.654</td>
</tr>
<tr>
<td>Chemical Formula</td>
<td>C₂₇H₄₆O</td>
</tr>
<tr>
<td>Physical State</td>
<td>Powder</td>
</tr>
<tr>
<td>Storage</td>
<td>-20°C</td>
</tr>
<tr>
<td>Expiration Date</td>
<td>One year from date of receipt</td>
</tr>
<tr>
<td>M Lot Number</td>
<td>5092PLF110</td>
</tr>
<tr>
<td>Avanti Lot Number</td>
<td>700000P-100MG-F-110</td>
</tr>
</tbody>
</table>

### Physical Examination
- **Powder**: White solid which contains no foreign matter

### TLC (95:5 Chloroform: Methanol)
- >99% Purity
- Ninhydrin: negative
- Iodine: one major spot
- Phosphorus: negative
- Charring: positive
- Water dip: one major spot

### HPLC-ELSD
- NLT 99% (AUC)
  - 99.6% (AUC)

### Proton NMR
- NMR spectrum consistent with structure
  - Consistent with structure

### Mass Spectroscopy
- \([M+H-H₂O]^+ = 369.654 \pm 1 \text{ amu}\)
- \([M+NH₄]^+ = 404.654 \pm 1 \text{ amu}\)

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**Approved By:** Andriano Thomas