25-NBD Cholesterol
25-[N-[(7-nitro-2-1,3-benzo[dia]zol-4-yl)methyl]amino]-27-norcholesterol

810250P-1mg

Molecular Weight 564.759
Chemical Formula C_{33}H_{48}N_{4}O_{4}
Physical State Powder
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 5403PGC019
Avanti Lot Number 810250P-1MG-C-019

<table>
<thead>
<tr>
<th>ANALYSIS</th>
<th>SPECIFICATION</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Examination</td>
<td>Powder: Yellow to orange solid which contains no foreign matter</td>
<td>Pass</td>
</tr>
</tbody>
</table>
| TLC (9:1 Chloroform: Methanol) | >99% Purity  
UV: one major spot  
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+NH_4]^+ = 582.759 ± 1 amu                | [M+NH_4]^+ = 582.8 amu |

Approved by:

For Research Use Only. Not For Human Use.