

27-hydroxycholesterol

 cholest-(25R)-5-ene-3 β ,27-diol

700021P-25mg

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| | |
|--------------------------|--|
| Molecular Weight | 402.653 |
| Chemical Formula | C ₂₇ H ₄₆ O ₂ |
| Physical State | Powder |
| Storage | -20 °C |
| Expiration Date | One year from date of receipt |
| M Lot Number | 5107PJA014 |
| Avanti Lot Number | 700021P-25MG-A-014 |

| ANALYSIS | SPECIFICATION | RESULTS |
|-----------------------------------|---|---|
| Physical Examination | Powder: White solid which contains no foreign matter. | Pass |
| TLC (1:1 Hexane:Ethyl Acetate) | >99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot | All Pass |
| HPLC-ELSD | NLT 99% (AUC) | 100% (AUC) |
| Proton NMR | NMR spectrum consistent with structure | consistent with structure |
| Mass Spectroscopy | [M+H-H ₂ O] ⁺ = 385.653 \pm 1 amu | [M+H-H ₂ O] ⁺ = 385.5 amu |

Approved by:

