

24(R)-hydroxycholesterol

 cholest-5-ene-3 β ,24(R)-diol

700071P-1mg

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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 | 5153PGB010 |
| Avanti Lot Number | 700071P-1MG-B-010 |

| ANALYSIS | SPECIFICATION | RESULTS |
|-----------------------------------|---|---|
| Physical Examination | Powder: White solid which contains no foreign matter. | Pass |
| TLC (2:1 Hexane:Ethyl Acetate) | >99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot | Pass |
| HPLC-ELSD | NLT 99% (AUC) | 100% (AUC) |
| Proton NMR | NMR spectrum consistent with structure | Consistent with structure |
| Mass Spectroscopy | [M-2H ₂ O+H] ⁺ = 367.653 \pm 1 amu | [M-2H ₂ O+H] ⁺ = 367.36 amu |

Approved by:

