

Cholesterol (plant)
 Cholesterol (plant derived)
700100P-1g

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Molecular Weight 386.654
Chemical Formula C₂₇H₄₆O
Physical State Powder
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 5180PQD036
Avanti Lot Number 700100P-1G-D-036

| 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 | >99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot |
| HPLC-ELSD | NLT 99% (AUC) | 100% (AUC) |
| Proton NMR | NMR spectrum consistent with structure | Consistent with structure |
| Mass Spectroscopy | [M+H-H ₂ O] ⁺ = 369.7 ± 1 amu | [M+H-H ₂ O] ⁺ = 369.4 amu |

 Approved By: *Anderson Thomas*

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