

Cholesterol (ovine)

cholesterol (ovine wool, >98%)

700000P-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 5092PQI112
Avanti Lot Number 700000P-1G-I-112

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (95:5 Chloroform: Methanol)	>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) cholesterol 0% (AUC) desmosterol
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H-H ₂ O] ⁺ = 369.7 ± 1 amu [M+NH ₄] ⁺ = 404.7 ± 1 amu	[M+H-H ₂ O] ⁺ = 369.3 amu [M+NH ₄] ⁺ = 404.5 amu

Approved By:



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