

7 α -Hydroxycholesterol

Cholest-5-en-3 β ,7 α -diol

700034P-5mg

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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	5119PHE014
Avanti Lot Number	700034P-5MG-E-014

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	All Pass
HPLC-ELSD	NLT 99% (AUC)	100% (AUC)
Proton NMR	NMR spectrum consistent with reference structure	Consistent with structure
Mass Spectroscopy	[M+H-H ₂ O] ⁺ = 385.653 $\pm$ 1 amu	[M+H-H ₂ O] ⁺ = 385.3 amu

Approved By: *Anderson Thomas*

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