

7 α -HydroxycholesterolCholest-5-en-3 β ,7 α -diol**700034P-10mg****Page 1 of 1**

Molecular Weight 402.653
Chemical Formula C₂₇H₄₆O₂
Physical State Powder
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 5119PIB014
Avanti Lot Number 700034P-10MG-B-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*

For Research Use Only. Not For Human Use.