

20 α -hydroxycholesterol

 5-cholestene-3 α ,20 α -diol

700156P-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	Three months from date of receipt
M Lot Number	5215PHB012
Avanti Lot Number	700156P-5MG-B-012

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter.	Pass
TLC (7:3 Hexane: Ethyl Acetate)	>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 structure	Consistent with structure
Mass Spectroscopy	[M+NH ₄] ⁺ = 420.66 ± 1 amu and/or [M-H ₂ O+NH ₄] ⁺ = 402.66 ± 1 amu	[M-H ₂ O+NH ₄] ⁺ = 402.6 amu

Approved By: *Melissa Liles*

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