

7 α ,27-dihydroxycholesterol

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700024P-1mg

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Molecular Weight	418.652
Chemical Formula	C ₂₇ H ₄₆ O ₃
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5110PGD012
Avanti Lot Number	700024P-1MG-D-012

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (9:1 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 structure	Consistent with structure
Mass Spectroscopy	[M+H-H ₂ O] ⁺ = 401.652 $\pm$ 1 amu	[M+H-H ₂ O] ⁺ = 401.4 amu

Approved by: *Andriana Thomas*

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