

Cholesterol (plant)

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700100P-1g
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Molecular Weight	386.654
Chemical Formula	C ₂₇ H ₄₆ O
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5180PQF036
Avanti Lot Number	700100P-1G-F-036

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (2:1 Hexane: Ethyl Acetate)	>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)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H-H ₂ O] ⁺ = 369.7 ± 1 amu	[M+H-H ₂ O] ⁺ = 369.4 amu

 Approved By: *Anderson Thomas*

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