

Dihydro T-MAS

 4,4-dimethyl-cholest-8(9)-en-3 β -ol

700173P-1mg

Page 1 of 1

Molecular Weight	414.72
Chemical Formula	C ₂₉ H ₅₀ O
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6648PGF010
Avanti Lot Number	700173P-1MG-F-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC (8:2 Hexane: Ethyl Acetate)	>99% Purity Ninhydrin spray: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Carbon NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-H ₂ O+H] ⁺ = 397.7 ± 1 amu [M+NH ₄] ⁺ = 432.7 ± 1 amu	[M-H ₂ O+H] ⁺ = 397.4 amu [M+NH ₄] ⁺ = 432.2 amu

 Approved By: *Anderson Thomas*

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