

Dihydro T-MAS-d6

4,4-dimethyl(d6)-cholest-8(9)-en-3β-ol

700102P-1mg

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Molecular Weight	420.75
Chemical Formula	C ₂₉ H ₄₄ D ₆ O
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6647PGE010
Avanti Lot Number	700102P-1MG-E-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
Mass Spectroscopy	[M-H ₂ O+H] ⁺ = 403.75 ± 1 amu [M+NH ₄] ⁺ = 438.75 ± 1 amu [M-H ₂ O+H] ⁺ = 421.75 ± 1 amu	[M-H ₂ O+H] ⁺ = 403.5 amu [M+NH ₄] ⁺ = 439.2 amu [M-H ₂ O+H] ⁺ = 421.7 amu

 Approved By: *Anderson Thomas*

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