

**Dihydro T-MAS**

 4,4-dimethyl-cholest-8(9)-en-3 $\beta$ -ol

700173P-1mg

Page 1 of 1

<b>Molecular Weight</b>	414.72
<b>Chemical Formula</b>	C <sub>29</sub> H <sub>50</sub> O
<b>Physical State</b>	Powder
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	6648PGA010
<b>Avanti Lot Number</b>	700173P-1MG-A-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> 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 <sub>2</sub> O+H] <sup>+</sup> = 397.7 $\pm$ 1 amu [M+NH <sub>4</sub> ] <sup>+</sup> = 432.7 $\pm$ 1 amu	[M-H <sub>2</sub> O+H] <sup>+</sup> = 397.4 amu [M+NH <sub>4</sub> ] <sup>+</sup> = 432.2 amu

Approved By:



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