

**20 $\alpha$ -hydroxycholesterol**

 5-cholestene-3 $\alpha$ ,20 $\alpha$ -diol

**700156P-10mg**

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<b>Molecular Weight</b>	402.653
<b>Chemical Formula</b>	C <sub>27</sub> H <sub>46</sub> O <sub>2</sub>
<b>Physical State</b>	Powder
<b>Storage</b>	-20 °C
<b>Expiration Date</b>	Three months from date of receipt
<b>M Lot Number</b>	5215PIA010
<b>Avanti Lot Number</b>	700156P-10MG-A-010

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	<b>Powder:</b> White solid which contains no foreign matter.	Pass
TLC (7:3 Hexane: Ethyl acetate)	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	All Pass
HPLC-ELSD	NLT 99% (AUC)	99.8% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+NH <sub>4</sub> ] <sup>+</sup> = 420.653 $\pm$ 1 amu	[M+NH <sub>4</sub> ] <sup>+</sup> = 420.5 amu

Approved by:

