

**24(S)-hydroxycholesterol**

 cholest-5-ene-3 $\beta$ ,24(S)-diol

**700061P-5mg**

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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>	One year from date of receipt
<b>M Lot Number</b>	5143PHC014
<b>Avanti Lot Number</b>	700061P-5MG-C-014

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter.	Pass
TLC (1:1 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)	100% (AUC)
Proton NMR	NMR spectrum consistent with reference 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> = 420.6 amu

 Approved by: *Anderson Thomas*

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