

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

700061P-1mg

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**Molecular Weight** 402.653  
**Chemical Formula** C<sub>27</sub>H<sub>46</sub>O<sub>2</sub>  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5143PGF014  
**Avanti Lot Number** 700061P-1MG-F-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:

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