

**25-hydroxycholesterol-d6**

 cholest-5-ene-3 $\beta$ ,25-diol-d6

**700053P-1mg**

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<b>Molecular Weight</b>	408.69
<b>Chemical Formula</b>	C <sub>27</sub> H <sub>40</sub> D <sub>6</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>	5135PGA011
<b>Avanti Lot Number</b>	700053P-1MG-A-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter	Pass
TLC (2:1 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 structure	Consistent with structure
Mass Spectroscopy	[M+NH <sub>4</sub> ] <sup>+</sup> = 426.69 $\pm$ 1 amu	[M+NH <sub>4</sub> ] <sup>+</sup> = 426.4 amu

Approved By:



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