

**27-hydroxycholesterol-d6**

 25,26,26,26,27,27-hexadeuterocholest-5-ene-3 $\beta$ ,27-diol

**700059P-1mg**

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<b>Molecular Weight</b>	408.690
<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>	5141PGC011
<b>Avanti Lot Number</b>	700059P-1MG-C-011

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)	99.7% (AUC)
Proton NMR	NMR spectrum consistent with structure	consistent with structure
Mass Spectroscopy	[M+NH <sub>4</sub> ] <sup>+</sup> = 426.69 ± 1 amu	[M+NH <sub>4</sub> ] <sup>+</sup> = 426.7 amu

Approved by:

