

**4 $\beta$ -hydroxycholesterol-d7**

cholest-5-ene-3,4-diol-d7

**700042P-1mg**

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<b>Molecular Weight</b>	409.696
<b>Chemical Formula</b>	C <sub>27</sub> H <sub>39</sub> O <sub>2</sub> D <sub>7</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>	5126PGB014
<b>Avanti Lot Number</b>	700042P-1MG-B-014

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter.	Pass
TLC (95:5 Chloroform:Methanol)	>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+H-H <sub>2</sub> O] <sup>+</sup> = 392.696 ± 1 amu	[M+H-H <sub>2</sub> O] <sup>+</sup> = 392.4 amu

Approved by:

