

**22(R)-hydroxycholesterol-d7**

 cholest-5-ene-3 $\beta$ ,22(R)-diol-d7

**700052P-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>	5134PGB010
<b>Avanti Lot Number</b>	700052P-1MG-B-010

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
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+NH <sub>4</sub> ] <sup>+</sup> = 427.698 ± 1 amu	[M+NH <sub>4</sub> ] <sup>+</sup> = 427.7 amu

Approved by:

