

**6 $\alpha$ -hydroxy-5 $\alpha$ -cholestanol-d7**

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700045P-1mg

Page 1 of 1

<b>Molecular Weight</b>	411.712
<b>Chemical Formula</b>	C <sub>27</sub> H <sub>41</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>	5129PGA012
<b>Avanti Lot Number</b>	700045P-1MG-A-012

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter.	Pass
TLC (9:1 Chloroform:Methanol)	>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> = 429.712 ± 1 amu	[M+NH <sub>4</sub> ] <sup>+</sup> = 429.8 amu

Approved by:

