

**7-dehydrocholesterol-d7**

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**700116P-1mg**

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<b>Molecular Weight</b>	391.681
<b>Chemical Formula</b>	C <sub>27</sub> H <sub>37</sub> D <sub>7</sub> O
<b>Physical State</b>	Powder
<b>Storage</b>	-80°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	5185PGJ010
<b>Avanti Lot Number</b>	700116P-1MG-J-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter	Pass
TLC (8:2 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)	99.8% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+NH <sub>4</sub> ] <sup>+</sup> = 409.681 ± 1 amu	[M+NH <sub>4</sub> ] <sup>+</sup> = 409.7 amu

 Approved By: *Anderson Thomas*

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