

7-dehydrocholesterol-d7

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700116P-1mg

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**Molecular Weight** 391.681  
**Chemical Formula** C<sub>27</sub>H<sub>37</sub>D<sub>7</sub>O  
**Physical State** Powder  
**Storage** -80°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5185PGE010  
**Avanti Lot Number** 700116P-1MG-E-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:

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