

**desmosterol-d6**  
 cholesta-5,24-dien-3 $\beta$ -ol-d6  
 700040P-1mg

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**Molecular Weight** 390.675  
**Chemical Formula** C<sub>27</sub>H<sub>38</sub>OD<sub>6</sub>  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5124PGE014  
**Avanti Lot Number** 700040P-1MG-E-014

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
HPLC-ELSD	NLT 99% (AUC)	99.5% (AUC)
Proton NMR	NMR spectrum consistent with reference structure	Consistent with structure
Mass Spectroscopy	[M+H-H <sub>2</sub> O] <sup>+</sup> = 373.675 ± 1 amu [M+NH <sub>4</sub> ] <sup>+</sup> = 408.675 ± 1 amu	[M+H-H <sub>2</sub> O] <sup>+</sup> = 373.6 amu [M+NH <sub>4</sub> ] <sup>+</sup> = 408.6 amu

Approved By:



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