

**dihydrolanosterol-d7**

 25,26,26,26,27,27,27-heptadeuteriolanost-8-en-3 $\beta$ -ol

**700091P-1mg**

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<b>Molecular Weight</b>	435.776
<b>Chemical Formula</b>	C <sub>30</sub> H <sub>45</sub> D <sub>7</sub> O
<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>	5173PGB010
<b>Avanti Lot Number</b>	700091P-1MG-B-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)	99.0% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+NH <sub>4</sub> ] <sup>+</sup> = 453.776 $\pm$ 1 amu	[M+NH <sub>4</sub> ] <sup>+</sup> = 453.8 amu

Approved by:

