

**7 $\alpha$ ,25-dihydroxycholesterol**

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**700080P-1mg**

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<b>Molecular Weight</b>	418.652
<b>Chemical Formula</b>	C <sub>27</sub> H <sub>46</sub> O <sub>3</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>	5162PGJ011
<b>Avanti Lot Number</b>	700080P-1MG-J-011

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
HPLC-ELSD	NLT 99% (AUC)	100% (AUC)
Proton NMR	NMR spectrum consistent with reference structure	Consistent with structure
Mass Spectroscopy	[M+NH <sub>4</sub> ] <sup>+</sup> = 436.652 $\pm$ 1 amu	[M+NH <sub>4</sub> ] <sup>+</sup> = 436.8 amu

Approved By:



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