

**7-dehydrocholesterol**

Δ,5,7-cholesterol

**700066P-5mg**

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<b>Molecular Weight</b>	384.638
<b>Molecular Formula</b>	C <sub>27</sub> H <sub>44</sub> O
<b>Physical State</b>	Powder
<b>Storage</b>	-80°C
<b>Expiration Date</b>	Three months from date of receipt
<b>M Lot Number</b>	5148PHA013
<b>Avanti Lot Number</b>	700066P-5MG-A-013

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter	Pass
TLC (7:3 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)	100% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+NH <sub>4</sub> ] <sup>+</sup> = 402.638 ± 1 amu	[M+NH <sub>4</sub> ] <sup>+</sup> = 402.48 amu

Approved By: *Melissa Liles*

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