

**24(S),25-epoxycholesterol**

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**700039P-5mg**

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<b>Molecular Weight</b>	400.637
<b>Chemical Formula</b>	C <sub>27</sub> H <sub>44</sub> O <sub>2</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>	5123PHB011
<b>Avanti Lot Number</b>	700039P-5MG-B-011

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)	100% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H] <sup>+</sup> = 401.637 ± 1 amu or [M+NH <sub>4</sub> ] <sup>+</sup> = 418.637 ± 1 amu	[M+H] <sup>+</sup> = 401.6 amu [M+NH <sub>4</sub> ] <sup>+</sup> = 418.5 amu

Approved By: *Melissa Liles*

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