

**F7-Cholesterol**

25,26,26,26,27,27,27-heptafluorocholesterol

**700002P-5mg**

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<b>Molecular Weight</b>	512.587
<b>Chemical Formula</b>	C <sub>27</sub> H <sub>39</sub> OF <sub>7</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>	5094PHA011
<b>Avanti Lot Number</b>	700002P-5MG-A-011

ANALYSIS	SPECIFICATION	SOP
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)	99.7% AUC
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H-H <sub>2</sub> O] <sup>+</sup> = 495.587 ± 1 amu [M+NH <sub>4</sub> ] <sup>+</sup> = 530.587 ± 1 amu	[M+NH <sub>4</sub> ] <sup>+</sup> = 530.7 ± 1 amu

Approved by:

