

**Cholesterol (plant)**  
 Cholesterol (plant derived)  
**700100P-1g**

Page 1 of 1

**Molecular Weight** 386.654  
**Chemical Formula** C<sub>27</sub>H<sub>46</sub>O  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5180PQE036  
**Avanti Lot Number** 700100P-1G-E-036

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	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot
HPLC-ELSD	NLT 99% (AUC)	100% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H-H <sub>2</sub> O] <sup>+</sup> = 369.7 ± 1 amu	[M+H-H <sub>2</sub> O] <sup>+</sup> = 369.4 amu

 Approved By: *Anderson Thomas*

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