

**7-Ketocholesterol****3 $\beta$ -Hydroxy-5-Cholestene-7-one****700015P-5mg****Page 1 of 1**

**Molecular Weight** 400.637  
**Chemical Formula** C<sub>27</sub>H<sub>44</sub>O<sub>2</sub>  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5102PHD018  
**Avanti Lot Number** 700015P-5MG-D-018

| ANALYSIS                           | SPECIFICATION                                                                                                                           | RESULTS                        |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Physical Examination               | <b>Powder:</b> White solid which contains no foreign matter                                                                             | Pass                           |
| TLC<br>(1:1 Hexane: Ethyl Acetate) | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: negative<br>Charring: positive<br>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+H] <sup>+</sup> = 401.637 $\pm$ 1 amu                                                                                                | [M+H] <sup>+</sup> = 401.7 amu |

Approved By: *Andriana Thomas*

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