

## 7-ketocholesterol

3 $\beta$ -hydroxy-5-cholestene-7-one

700015P-100mg

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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>      | 5102PLB017                                     |
| <b>Avanti Lot Number</b> | 700015P-100MG-B-017                            |

| 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 structure                                                                                                  | Pass                           |
| Mass Spectroscopy                 | [M+H] <sup>+</sup> = 401.637 $\pm$ 1 amu                                                                                                | [M+H] <sup>+</sup> = 401.4 amu |

Approved by:

