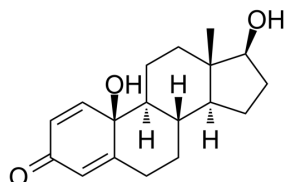


## Certificate of Analysis

**Product Name:** 10 $\beta$ ,17 $\beta$ -dihydroxyestra-1,4-dien-3-one  
**Cat. No.:** CS-0102991  
**CAS No.:** 549-02-0  
**Batch No.:** 48587  
**Chemical Name:** Estra-1,4-dien-3-one, 10,17-dihydroxy-, (17 $\beta$ -)

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>18</sub>H<sub>24</sub>O<sub>3</sub>  
**Molecular Weight:** 288.38  
**Storage:** Storage temp. 2-8°C  
**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** White to yellow (Solid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**Purity (NMR):**  $\geq$ 98.0%  
**Conclusion:** The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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