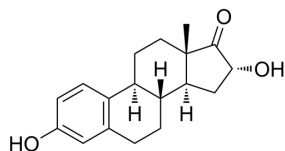


## Certificate of Analysis

**Product Name:** 16 $\alpha$ -Hydroxyestrone  
**Cat. No.:** CS-0061863  
**CAS No.:** 566-76-7  
**Batch No.:** 236496  
**Chemical Name:** Estra-1,3,5(10)-trien-17-one,3,16-dihydroxy-,(16 $\alpha$ -)

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>18</sub>H<sub>22</sub>O<sub>3</sub>  
**Molecular Weight:** 286.37  
**Storage:** Storage temp. -20°C  
**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** White to off-white (Solid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**LCMS:** Consistent with structure  
**Purity (LCMS):** 99.06%  
**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.**

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA