



LKT Laboratories, Inc.

Estrone

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## Product Information

**Product ID** E7378

**CAS No.** 53-16-7

**Chemical Name** 3-Hydroxyestra-1,3,5(10)-tri-en-17-onne

**Synonym** Oestrone, Flliculinn, Tokokin, Hiestrone, Glandubolin, Kolponn, Homrovarine, Wynestron, Kestron, Follestrine

**Formula** C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>

**Formula Wt.** 270.37

**Melting Point** 254.5-256 °C

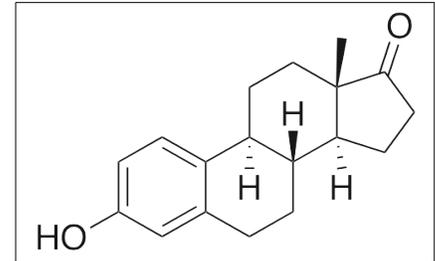
**Purity** ≥97%

**Solubility** Insoluble in water, Sparingly soluble in ethanol (4 mg/mL). Soluble in acetone (20 mg/mL at 50 °C), chloroform, benzene, diethyl ether, and ethyl acetate.

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Estrone is an endogenous estrogenic steroid hormone that is secreted mainly in the ovary and in adipose tissue. Estrone exhibits carcinogenic potential, forming DNA adducts in vitro.



**Bulk quantities available upon request**

Product ID	Size
E7378	1 g
E7378	5 g
E7378	25 g

**References** Rizzati V, Rathahao E, Gamet-Payrastre L, et al. In vitro aromatic bioactivation of the weak estrogen E(2)alpha and genesis of DNA adducts. *Steroids*. 2005 Mar;70(3):161-72. PMID: 15763594.

Borges C, Lemièrre F, Embrechts J, et al. Characterisation of estrone-nucleic acid adducts formed by reaction of 3,4-estrone-o-quinone with 2'-deoxynucleosides/deoxynucleotides using capillary liquid chromatography/electrospray ionization mass spectrometry. *Rapid Commun Mass Spectrom*. 2004;18(19):2191-200. PMID: 15384136.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.