



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 C₁₈H₂₂O₂

Formula Wt. 270.37

Melting Point 254.5-256 °C

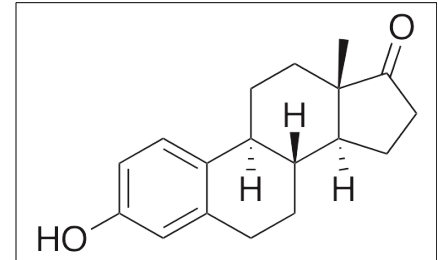
Purity ≥97%

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 dichloromethane.

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. TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
E7378	1 g	\$30.00
E7378	5 g	\$102.00
E7378	25 g	\$337.30

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.