



LKT Laboratories, Inc.

Estriol

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Product Information

Product ID E7377

CAS No. 50-27-1

Chemical Name (16 α ,17 β)-Estra-1,3,5(10)-triene-3,16,17-triol

Synonym Aacifemine, Colpogyn, Destriol, Oekolp, Ovesterin, Theelol, Tridestrin

Formula C₁₈H₂₄O₃

Formula Wt. 288.38

Melting Point 282° C

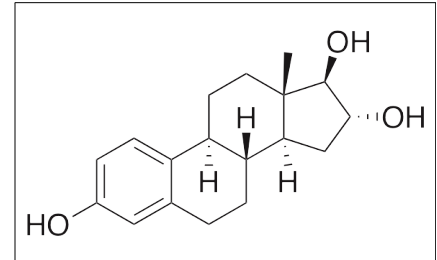
Purity ≥97%

Solubility Soluble in alcohol, dioxane, chloroform, ether, vegetable oils, pyridine or fixed alkali hydroxide solutions.

Store Temp Ambient

Ship Temp Ambient

Description Estriol is an endogenous estrogenic steroid hormone with mixed agonist/antagonist activity. Estriol exhibits some anti-inflammatory and antithrombotic activities. Estriol decreases inflammatory cytokine production and improves neuronal pathology and symptoms of multiple sclerosis in clinical settings and in experimental autoimmune encephalitis (EAE) animal models. Estriol induces release of NO through the activation of NOS, causing lysis of platelet-rich plasma and inhibiting platelet aggregation. Additionally, estriol may be used to visualize the prolapsed vitreous body in the anterior chamber of the eye after posterior capsule rupture.



Bulk quantities available upon request

Product ID	Size
E7377	100 mg
E7377	500 mg
E7377	1 g

References Jana P, Maiti S, Kahn NN, et al. Estriol-induced fibrinolysis due to the activation of plasminogen to plasmin by nitric oxide synthesis in platelets. *Blood Coagul Fibrinolysis*. 2014 Apr 2. [Epub ahead of print]. PMID: 24695088.

Tiwari-Woodruff S, Voskuhl RR. Neuroprotective and anti-inflammatory effects of estrogen receptor ligand treatment in mice. *J Neurol Sci*. 2009 Nov 15;286(1-2):81-5. PMID: 19442988.

Huang R, Kaji Y, Fukuda S, et al. Experimental use of estriol for visualizing the vitreous body in the anterior chamber after posterior capsule rupture in animal models. *J Cataract Refract Surg*. 2009 Jul;35(7):1260-5. PMID: 19545818.

Melamed M, Castaño E, Notides AC, et al. Molecular and kinetic basis for the mixed agonist/antagonist activity of estriol. *Mol Endocrinol*. 1997 Nov;11(12):1868-78. PMID: 9369454.

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