

Estetrol

Chemical Properties

CAS No. : 15183-37-6

Formula: C₁₈H₂₄O₄

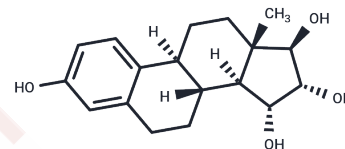
Molecular Weight: 304.38

Storage:

Store at low temperature, Keep away from direct sunlight

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Estetrol(Donesta) is an orally available, selective modulator of the estrogen receptor, a naturally occurring estrogen synthesized by the human fetal liver during pregnancy. Estetrol has effects on the endometrium or central nervous system, but is antagonistic to the breast. Estetrol may help to reduce thrombosis at low concentrations. Estetrol may be used to relieve menopausal symptoms.
Targets(IC50)	Estrogen Receptor/ERR, Endogenous Metabolite, NO Synthase

Solubility Information

Solubility	DMSO: 90 mg/mL (295.68 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (10.84 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2854 mL	16.4268 mL	32.8537 mL
5 mM	0.6571 mL	3.2854 mL	6.5707 mL
10 mM	0.3285 mL	1.6427 mL	3.2854 mL
50 mM	0.0657 mL	0.3285 mL	0.6571 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Valéra MC, et al. Effect of estetrol, a selective nuclear estrogen receptor modulator, in mouse models of arterial and venous thrombosis. *Mol Cell Endocrinol.* 2018 Dec 5;477:132-139.

Montt-Guevara MM, et al. Estetrol Modulates Endothelial Nitric Oxide Synthesis in Human Endothelial Cells. *Front Endocrinol (Lausanne).* 2015 Jul 22;6:111.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481