

17-Epiestriol

Chemical Properties

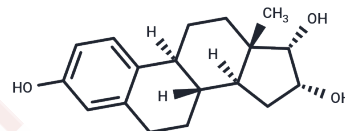
CAS No. : 1228-72-4

Formula: C₁₈H₂₄O₃

Molecular Weight: 288.38

Storage: Keep away from moisture, Store at low temperature
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	17-Epiestriol is an endogenous metabolite of estrone formed via a 16 α -hydroxy estrone intermediate followed by reduction of the C-17 ketone, and it binds estrogen receptor α and estrogen receptor β with relative binding affinities of 29 and 80 compared with 17 β -estradiol, supporting its relevance in studies of estrogen signaling, metabolism, and receptor selectivity.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	Methanol: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4676 mL	17.3382 mL	34.6765 mL
5 mM	0.6935 mL	3.4676 mL	6.9353 mL
10 mM	0.3468 mL	1.7338 mL	3.4676 mL
50 mM	0.0694 mL	0.3468 mL	0.6935 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

- Brinton, L. A. , Trabert, B. , Anderson, G. L. , et al. Serum estrogens and estrogen metabolites and endometrial cancer risk among postmenopausal women *Cancer Epidemiol. Biomarkers Prev.* 25(7)1081-1089(2016)
- Kuiper, et al. Interaction of estrogenic chemicals and phytoestrogens with estrogen receptor β *Endocrinology* 139(10)4252-4263(1998)
- 17-Epiestriol, an Estrogen Metabolite, Is More Potent Than Estradiol in Inhibiting Vascular Cell Adhesion Molecule 1 (VCAM-1) mRNA Expression

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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