Estrone (Standard)

Cat. No.: HY-B0234R

CAS No.: 53-16-7

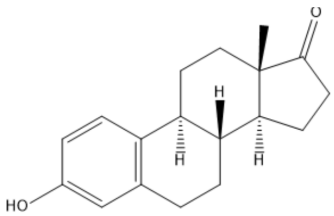
Molecular Formula: C18H22O2

Molecular Weight: 270.37

Target: Estrogen Receptor/ERR; Endogenous Metabolite

Pathway: Vitamin D Related/Nuclear Receptor; Metabolic Enzyme/Protease

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (92.47 mM; ultrasonic and warming and heat to 60°C)

H_2O : 0.1 mg/mL (0.37 mM; Need ultrasonic)

Preparing Stock Solutions

Concentration \ Solvent \ Mass	1 mg	5 mg	10 mg
1 mM	3.6986 mL	18.4932 mL	36.9864 mL
5 mM	0.7397 mL	3.6986 mL	7.3973 mL
10 mM	0.3699 mL	1.8493 mL	3.6986 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Estrone (Standard) is the analytical standard of Estrone. This product is intended for research and analytical applications. Estrone (E1) is a natural estrogenic hormone. Estrone is the main representative of the endogenous estrogens and is produced by several tissues, especially adipose tissue. Estrone is the result of the process of aromatization of androstenedione that occurs in fat cells[1][2].

IC_{50} & Target

Human Endogenous Metabolite

CUSTOMER VALIDATION

- Biosens Bioelectron. 12 July 2022, 114548.
- Int Immunopharmacol. 2020 Jan;78:105937.
- J Cell Mol Med. 2020 Dec;24(23):13775-13788.

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