

Estrone

Catalog No: tcsc2202



Available Sizes

Size: 1g

Size: 5g

Size: 10g



Specifications

CAS No:

53-16-7

Formula:

$C_{18}H_{22}O_2$

Pathway:

Others;Metabolic Enzyme/Protease

Target:

Estrogen Receptor/ERR;Endogenous Metabolite

Purity / Grade:

>98%

Solubility:

DMSO : 33.33 mg/mL (123.28 mM; Need ultrasonic)

Alternative Names:

E1;Oestrone

Observed Molecular Weight:

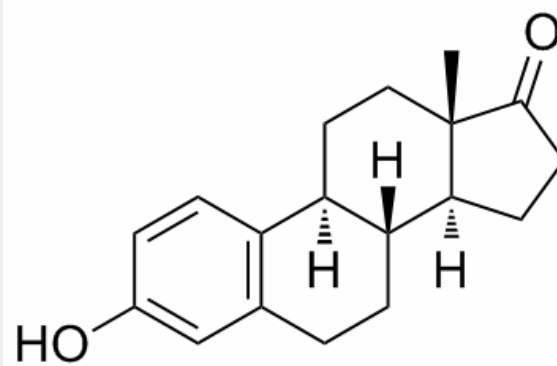
270.37

Product Description

Estrone is an estrogenic hormone.

Target: Estrogen Receptor/ERR

Estrone (E1) is an estrogenic hormone secreted by the ovary as well as adipose tissue with the chemical name of 3-hydroxyestra-1,3,5(10)-triene-17-one and the chemical formula C₁₈H₂₂O₂. Estrone is one of several natural estrogens, which also include estriol and estradiol. Estrone is the least abundant of the three hormones; estradiol is present almost always in the reproductive female body, and estriol is abundant primarily during pregnancy. Estrone is relevant to health and disease states because of its conversion to estrone sulfate, a long-lived derivative. Estrone sulfate acts as a reservoir that can be converted as needed to the more active estradiol. It is the predominant estrogen in postmenopausal women [1, 2].



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