

Estriol

Catalog No: tcsc2516



Available Sizes

Size: 100mg

Size: 500mg



Specifications

CAS No:

50-27-1

Formula:

$C_{18}H_{24}O_3$

Pathway:

Others;Metabolic Enzyme/Protease

Target:

Estrogen Receptor/ERR;Endogenous Metabolite

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 48 mg/mL (166.45 mM)

Alternative Names:

Oestriol

Observed Molecular Weight:

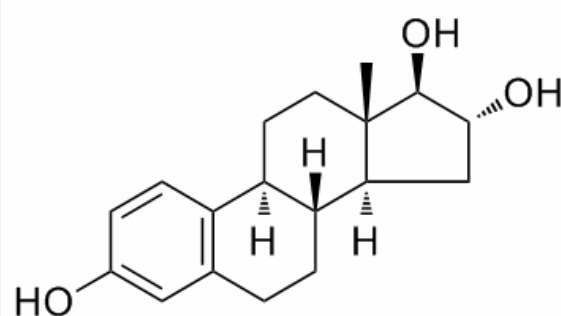
288.38

Product Description

Estriol is an antagonist of the G-protein coupled estrogen receptor in estrogen receptor-negative breast cancer cells.

Target: Estrogen Receptor/ERR

A recent study shows that estrogen (estrone, estradiol, and estriol) inhibits Alzheimer's disease-associated low-order A β oligomer formation, and among them, estriol shows the strongest in vitro activity [1]. In mPTEN \pm mice, estriol treatments resulted in a 187.54% gain in the relative ratio of uterine wet weight to body weight; estriol also increases the ratio to 176.88% in wild-type mice [2]. Estriol treatment (20 mg/kg ip), in vivo, sensitizes Kupffer cells to LPS via mechanisms dependent on an increase in CD14 by elevated portal blood endotoxin caused by increased gut permeability in rats; while one-half of the rats given estriol intraperitoneally 24 hours before an injection of a sublethal dose of LPS (5 mg/kg) died within 24 hours [3].



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