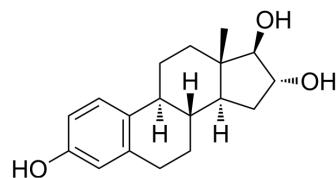


## Estriol (Standard)

<b>Cat. No.:</b>	HY-B0412R
<b>CAS No.:</b>	50-27-1
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>24</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	288.38
<b>Target:</b>	Estrogen Receptor/ERR; Endogenous Metabolite
<b>Pathway:</b>	Vitamin D Related/Nuclear Receptor; Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 250 mg/mL (866.91 mM; Need ultrasonic)  
 H<sub>2</sub>O : < 0.1 mg/mL (ultrasonic;warming;heat to 80°C) (insoluble)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		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		

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

### BIOLOGICAL ACTIVITY

<b>Description</b>	Estriol (Standard) is the analytical standard of Estriol. This product is intended for research and analytical applications.
<b>IC<sub>50</sub> &amp; Target</b>	Human Endogenous Metabolite

### CUSTOMER VALIDATION

- Nat Chem Biol. 2022 Aug 18.
- Biosens Bioelectron. 12 July 2022, 114548.
- Proc Natl Acad Sci U S A. 2022 Apr 12;119(15):e2117004119.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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