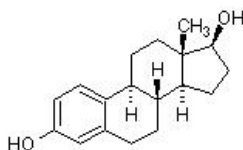


# 17beta-Estradiol, Selective agonist of ER receptor ab120657

**18 References**    **画像数 2**

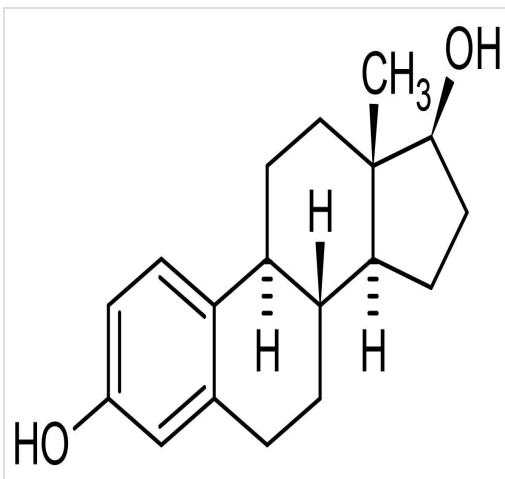
### 製品の概要

製品名	17beta-Estradiol, Selective agonist of ER receptor
製品の詳細	Selective agonist of ER receptor
生理活性の詳細	Selective agonist of ER receptor. Binds to ER $\alpha$ and ER $\beta$ receptors ( $K_i$ values are 0.13 and 0.12 nM, respectively). Agonist at the GPR30 receptor, activates PI $_3$ K.
精製度	> 99%
CAS 番号	50-28-2
構造式	



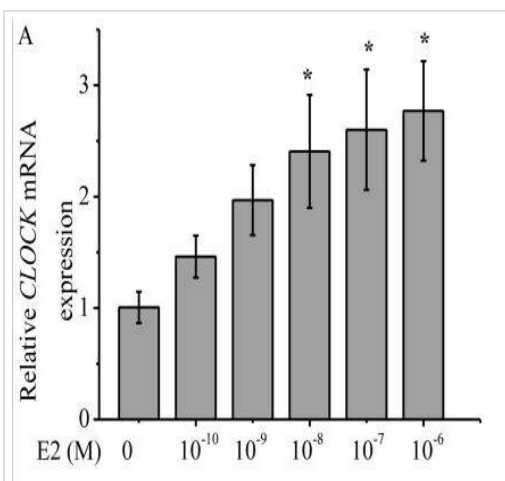
### 製品の特性

体系名	17 $\beta$ -Estra-1,3,5(10)-triene-3,17-diol
分子量	272.38
分子式	C <sub>18</sub> H <sub>24</sub> O <sub>2</sub>
PubChem 登録番号	5757
保存方法	Store at Room Temperature. The product can be stored for up to 12 months.
溶解性	Soluble in DMSO to 100 mM and in ethanol to 75 mM
使用に関する注意	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
由来	Synthetic



Chemical Structure - 17beta-Estradiol, Selective agonist of ER receptor (ab120657)

2D chemical structure image of ab120657, 17beta-Estradiol, Selective agonist of ER receptor



Functional Studies - 17beta-Estradiol, Selective agonist of ER receptor (ab120657)

Xiao et al PLoS One. 2014; 9(5): e95878. Reproduced under the Creative Commons license <http://creativecommons.org/licenses/by/4.0/>

#### ER $\alpha$ ligands regulate the expression of CLOCK at the transcription level.

Analysis of CLOCK mRNA levels in MCF-7 cells by real-time PCR. MCF-7 cells were cultured in phenol red free medium and charcoal striped FCS medium for 2 days before being treated with E2 and the expression of *CLOCK* was then analyzed by real-time PCR.

E2 = 17beta-Estradiol.

(From Figure 3A of Xiao et al).

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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