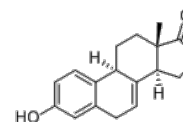


**Product Name** : Equilin  
**Cat. No.** : PC-21635  
**CAS No.** : 474-86-2  
**Molecular Formula** : C<sub>18</sub>H<sub>20</sub>O<sub>2</sub>  
**Molecular Weight** : 268.36  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

Equilin (7-Dehydroestrone) is a highly potent 3 $\beta$ HSD1 inhibitor with IC<sub>50</sub> of 2.8 nM in VCaP cells, also inhibits the activity of purified 3 $\beta$ HSD1 with SPR KD of 2.23  $\mu$ M.

Equilin has a higher affinity to 3 $\beta$ HSD1 than BCA.

Equilin suppresses UBE3D-related tumor aggressiveness.

## References

Xuebin Zhang, et al. J Clin Invest. 2023 Dec 15;133(24):e171199.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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