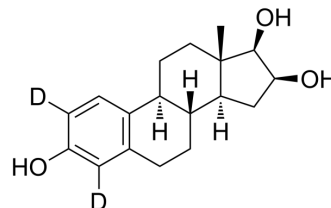


## 16β-Hydroxy-17β-estradiol-2,4-d<sub>2</sub>

<b>Cat. No.:</b>	HY-130046S1
<b>CAS No.:</b>	366495-94-5
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>22</sub> D <sub>2</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	290.39
<b>Target:</b>	Bacterial; Isotope-Labeled Compounds
<b>Pathway:</b>	Anti-infection; Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	16β-Hydroxy-17β-estradiol-2,4-d <sub>2</sub> is the deuterium labeled 16β-Hydroxy-17β-estradiol-2,4[1].
<b>In Vitro</b>	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Brinton LA, et al. Serum Estrogens and Estrogen Metabolites and Endometrial Cancer Risk among Postmenopausal Women. *Cancer Epidemiol Biomarkers Prev.* 2016 Jul;25(7):1081-9.
- [2]. Skariyachan S, et al. Natural epiestriol-16 act as potential lead molecule against prospective molecular targets of multidrug resistant *Acinetobacter baumannii*-Insight from in silico modelling and in vitro investigations. *Infect Genet Evol.* 2020 Aug;82:104314.
- [3]. Latman NS, et al. 16-epiestriol: an anti-inflammatory steroid without glycoconjugic activity. *J Pharm Sci.* 1994 Jun;83(6):874-7.

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

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