

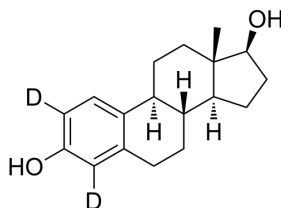
## Estradiol-d<sub>2</sub>

Cat. No.: HY-B0141S3  
CAS No.: 53866-33-4  
Batch No.: 343613  
Chemical Name: Estra-1,3,5(10)-triene-2,4-d<sub>2</sub>-3,17-diol, (17β)-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>18</sub>H<sub>22</sub>D<sub>2</sub>O<sub>2</sub>  
Molecular Weight: 274.39  
Storage: Powder      -20°C    3 years  
                                  4°C      2 years  
                                  In solvent   -80°C    6 months  
  -20°C    1 month

Chemical Structure:



### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
Purity (HPLC): 99.44%  
Isotopic Enrichment: 98.07%  
Conclusion: The product has been tested and complies with the given specifications.

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

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