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### CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Estradiol Hemihydrate EP Impurity D**

#### Identification:

Chemical Name: Estra-1,3,5(10),9(11)-tetraene-3,17 $\beta$ -diol

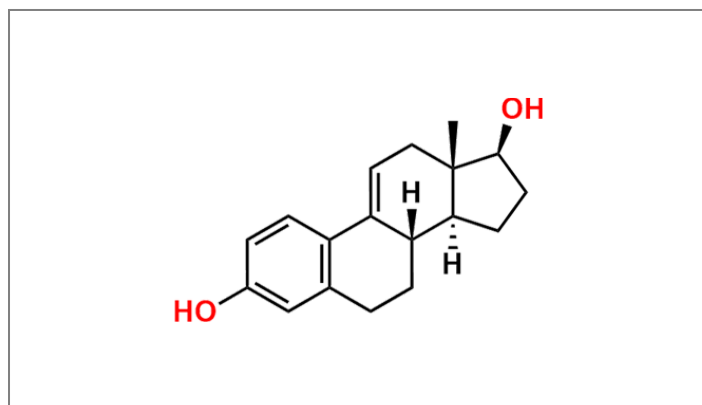
Synonyms : NA

CAS Number : 791-69-5

CAT Number : CP-E58004

Molecular Formula : C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>

Molecular Weight : 270.37



#### Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	Confirm to structure



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.