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### CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

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

#### Identification:

Chemical Name: (17 $\alpha$ )-Estra-1,3,5(10)-triene-3,17-diol

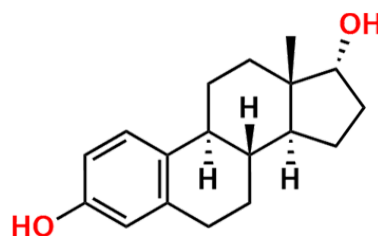
Synonyms : Estradiol 17 $\alpha$ -Hydroxy Impurity ;  
17 $\alpha$ -estradiol (EP)

CAS Number : 57-91-0

CAT Number : CP-E58002

Molecular Formula : C<sub>18</sub>H<sub>24</sub>O<sub>2</sub>

Molecular Weight : 272.39



#### 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.