

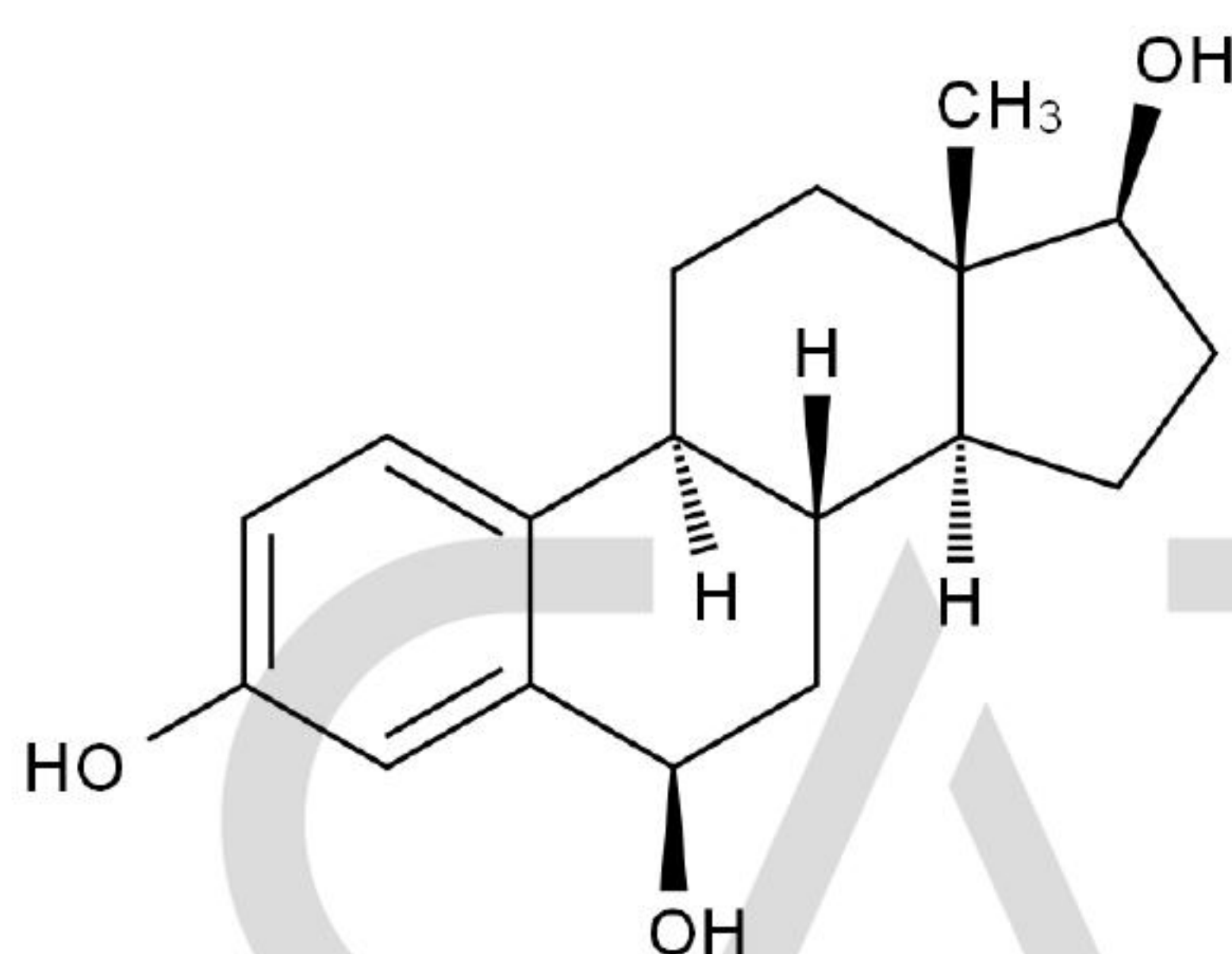
Certificate of Analysis

Reference Material & Standard

Product Name:	Estradiol Impurity 11	Catalogue Number:	C4X-163611
Synonyms:	N/A	Lot Number:	0227-RG-0054
CAS Number:	3583-03-7	Expiry Date:	Mar 02, 2028
Molecular Formula:	C18H24O3	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	288.38	Warning:	



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.96%
Loss On Drying	TGA	1.187%
Assay		95.8%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

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Approved by General Manager:

David

Date: Mar 03, 2025

Date: Mar 04, 2025

Date: Mar 04, 2025

