

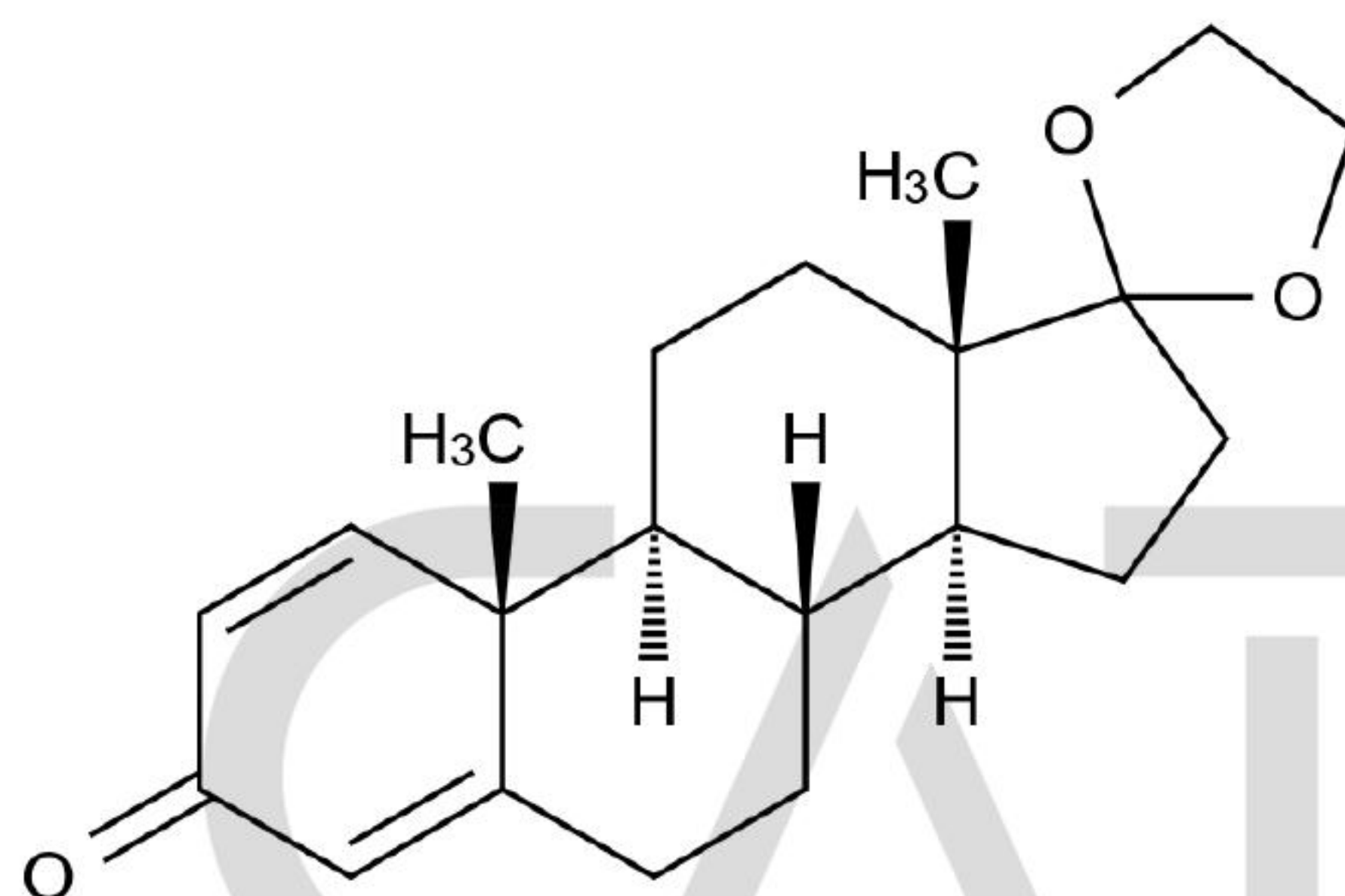
Certificate of Analysis

Reference Material & Standard

Product Name:	Estradiol Impurity 20	Catalogue Number:	C4X-163620
Synonyms:	N/A	Lot Number:	0508-RF-0061
CAS Number:	2398-63-2	Expiry Date:	May 12, 2027
Molecular Formula:	C ₂₁ H ₂₈ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	328.45	Warning:	



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.473%
Loss On Drying	TGA	0.0613%
Assay		97.4%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: May 13, 2024

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