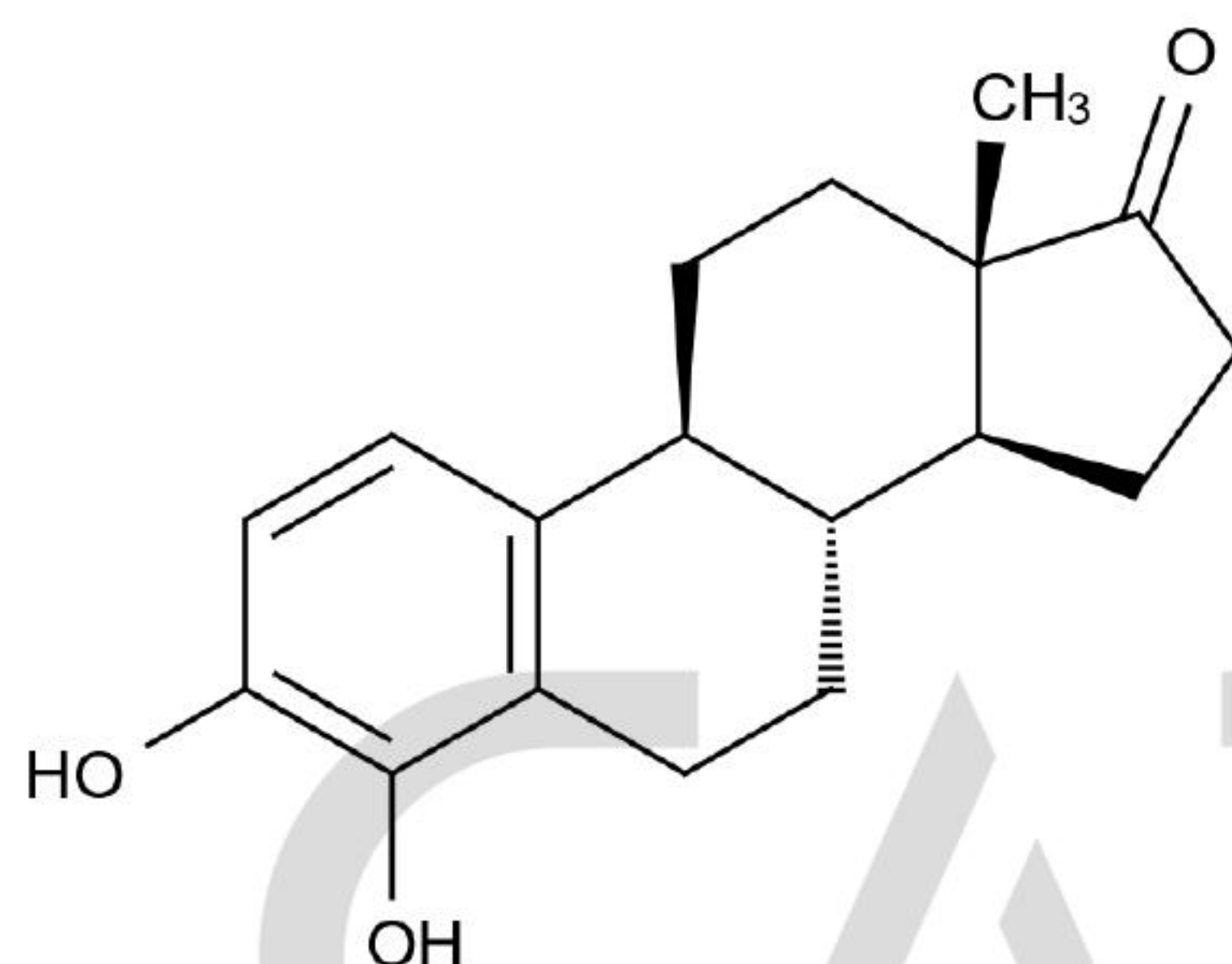


Certificate of Analysis

Reference Material

Product Name:	4-Hydroxy Estrone	Catalogue Number:	CCAD302008
Chemical Name:	N/A	Lot Number:	1206-RD-0033
CAS Number:	3131-23-5	Expiry Date:	Jun 09, 2026
Molecular Formula:	C ₁₈ H ₂₂ O ₃	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	286.37		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Brown Solid
Identification	LCMS&HNMR	Confirmed
Purity	NMR	97.0%
Uncertainty		±2.0%

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Xenia

Reviewed by:

Hinlam

Aporoved by General manager:

David

Date: Jun 10, 2019

Date: Dec 16, 2022

Date: Dec 16, 2022

