



CERTIFICATE OF ANALYSIS

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1. Identification

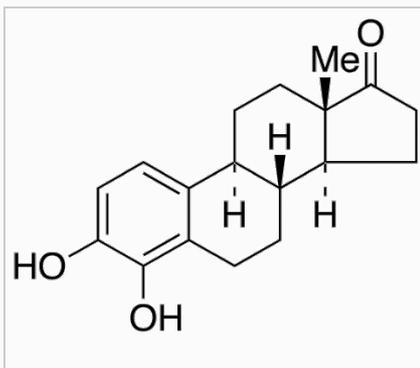
Catalogue Number: H941950

CAS Number: 3131-23-5

Product: 4-Hydroxy Estrone

Synonym: 3,4-Dihydroxyestra-1,3,5(10)-trien-17-one;
3,4-Dihydroxy-1,3,5(10)-estratrien-17-one;

Structure:



Molecular Formula:

C₁₈H₂₂O₃

Molecular weight:

286.37

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Ethanol (Slightly), Methanol (Slightly)

Lot Number: 5-KHI-128-1

Purity: 97%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1: Not Determined

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Pale Yellow to Light Brown Solid	Pale Brown Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+157.0° (c = 0.2, Ethanol)

Additional Information: NA

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Xhoana Gjergji	Neha Khanna	Kevin Saldanha	6/14/2019	6/12/2026

KMS