CATO Research Chemicals Inc.

Make the Tests More Accurate

ISO 17034 : 2016 | ISO 9001 : 2015

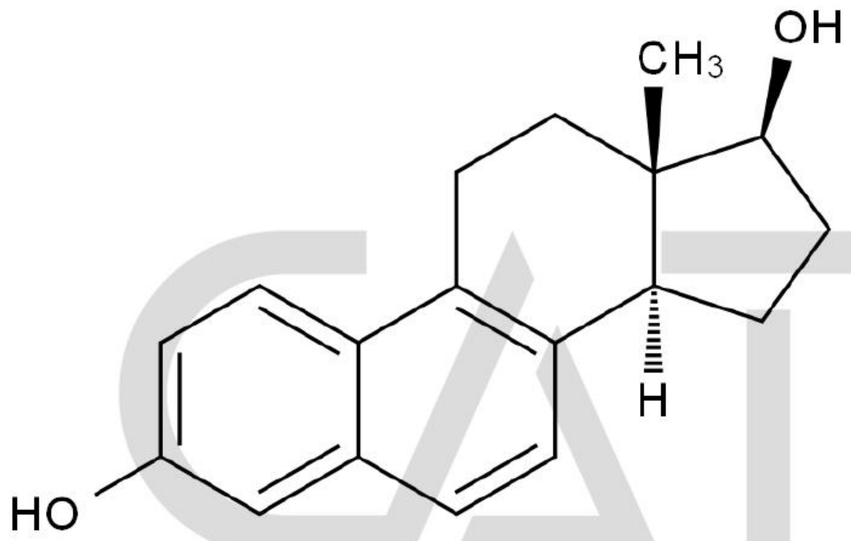
No.: 202511120074

Certificate of Analysis

Reference Material & Standard

Product Name:	Estradiol Impurity 6	**Catalogue Number:**	C4X-16366
Synonyms:	N/A	**Lot Number:**	1107-RG-0047
CAS Number:	1423-97-8	**Expiry Date:**	Nov 13, 2029
Molecular Formula:	$C_{18}H_{20}O_2$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	268.35	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	96.771%
Loss On Drying	TGA	0.1281%
Assay		96.6%

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Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss On Drying) * Purity HPLC (%) /100%*
Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Koji Date: Nov 17, 2025

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Approved by General Manager: David Date: Nov 17, 2025

CATO Research Chemicals Inc.

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ANAB ANSI National Accreditation Board ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-2832

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