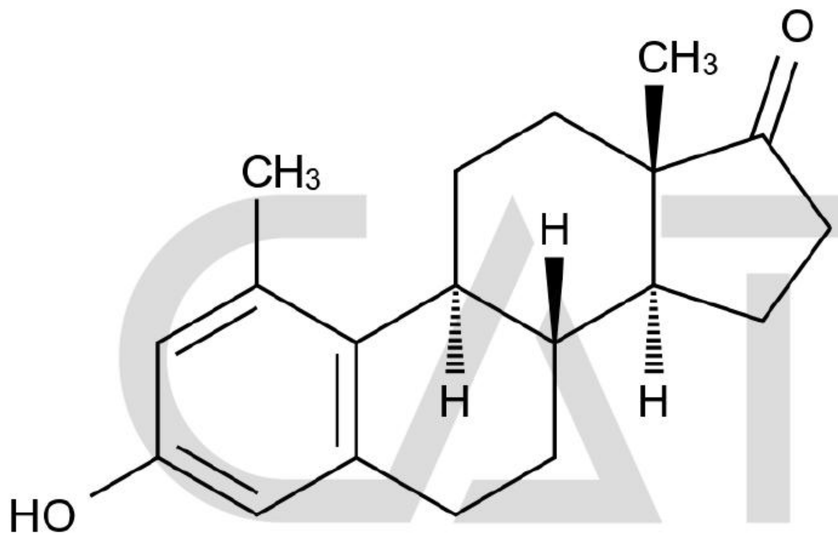
Certificate of Analysis

Reference Material & Standard

Product Name:	Estradiol Impurity N1	**Catalogue Number:**	C1533774
Synonyms:	N/A	**Lot Number:**	1014-RH-0085
CAS Number:	4011-48-7	**Expiry Date:**	Apr 22, 2030
Molecular Formula:	$C_{19}H_{24}O_2$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	284.39	**Shipping Condition:**	Shipping with Ice Packs
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	99.3%
Assay	qNMR	92.9%

CATO Research Chemicals Inc.

Signature:

Prepared by: Date: Oct 15, 2026

Reviewed by: Date: Oct 15, 2026

Approved by General Manager: Date: Oct 15, 2026

CATO Research Chemicals Inc.