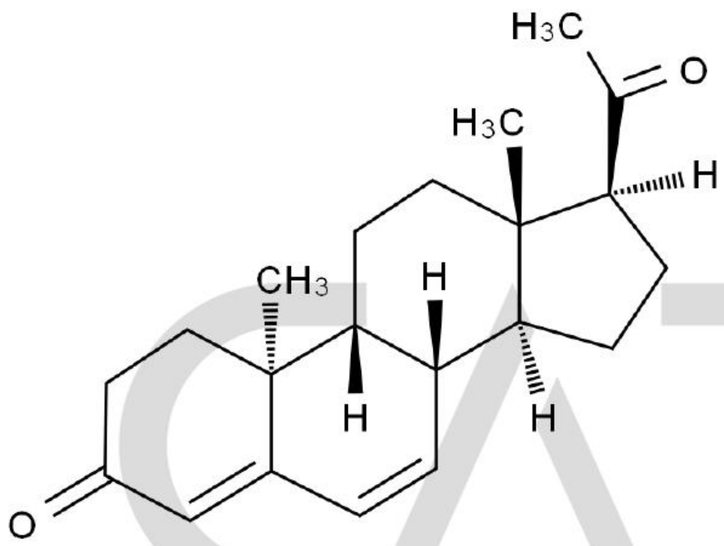
Certificate of Analysis

Reference Material & Standard

Product Name:	Dydrogesterone	**Catalogue Number:**	C4X-2183
Synonyms:	N/A	**Lot Number:**	1016-RH-0079
CAS Number:	152-62-5	**Expiry Date:**	Oct 19, 2030
Molecular Formula:	$C_{21}H_{28}O_2$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	312.45	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.928%
Residue on Ignition	TGA	0.3427%
Loss on Drying	TGA	0.0711%
Assay	qNMR	99.5%
Assay (Assigned Value)	Mass Balance	99.5%

CATO Research Chemicals Inc.

Comment:

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

Signature:

Prepared by: Alice — Date: Oct 20, 2026

Reviewed by: Koi — Date: Oct 20, 2026

Approved by General Manager: David — Date: Oct 20, 2026

CATO Research Chemicals Inc.