

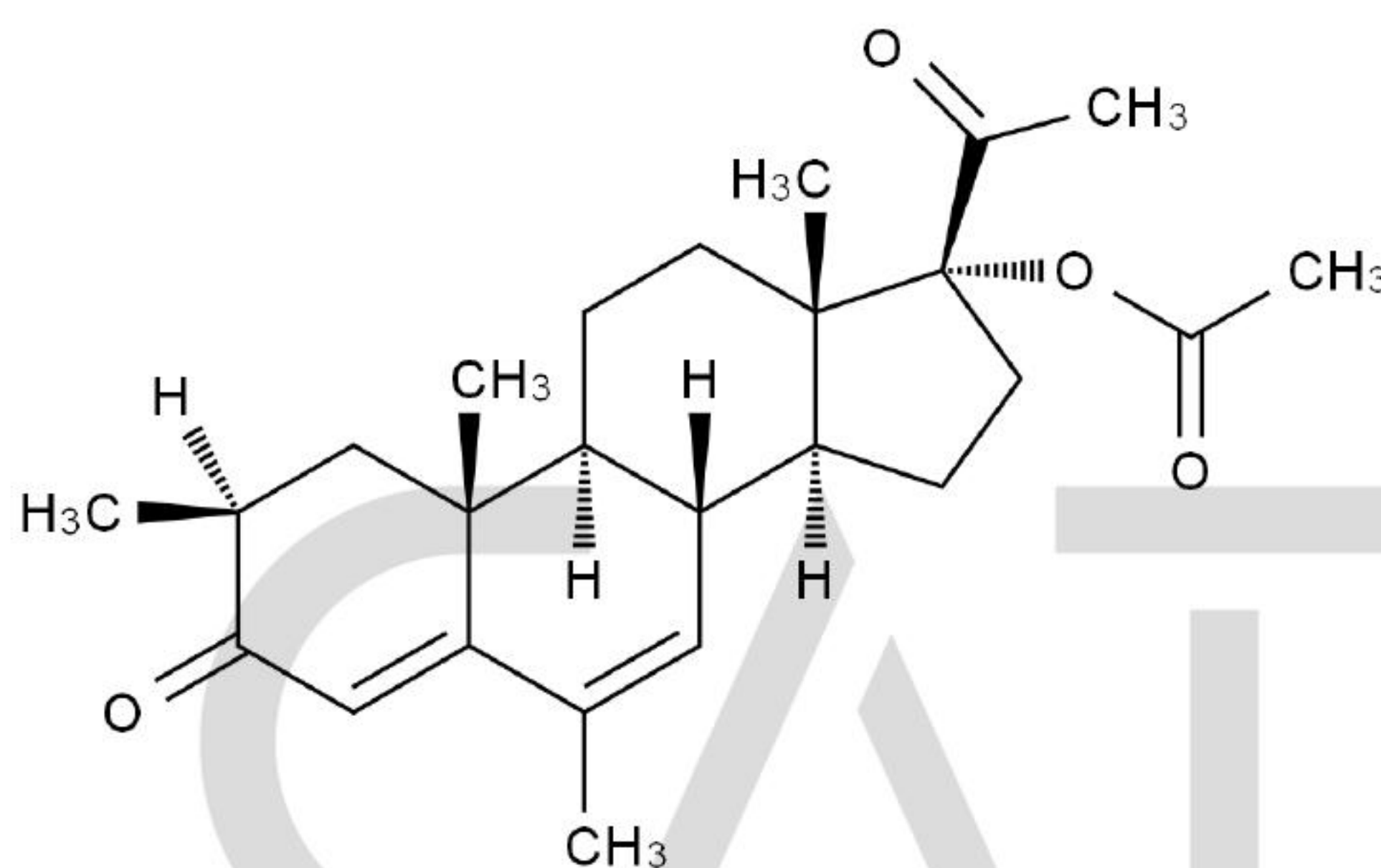
Certificate of Analysis

Reference Material & Standard

Product Name:	Megestrol acetate EP Impurity G	Catalogue Number:	C4X-14147
Synonyms:	N/A	Lot Number:	0307-RF-0011
CAS Number:	1259198-59-8	Expiry Date:	Feb 18, 2027
Molecular Formula:	C ₂₅ H ₃₄ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	398.54	Warning:	



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	98.5939%
Water Content	Karl Fischer	0.10%
Residual Solvents	NMR	0.7% tetrahydrofuran
Assay		97.8%

Comment:

- The compound contains 0.7% Megestrol Acetate EP Impurity H(RT 10.37) according to its HPLC.
- The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content} - \text{Residual Solvents}) * \text{Purity HPLC (\%)} / 100\%$$
 Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

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Date: Mar 11, 2024

Date: Mar 12, 2024

Date: Mar 12, 2024

