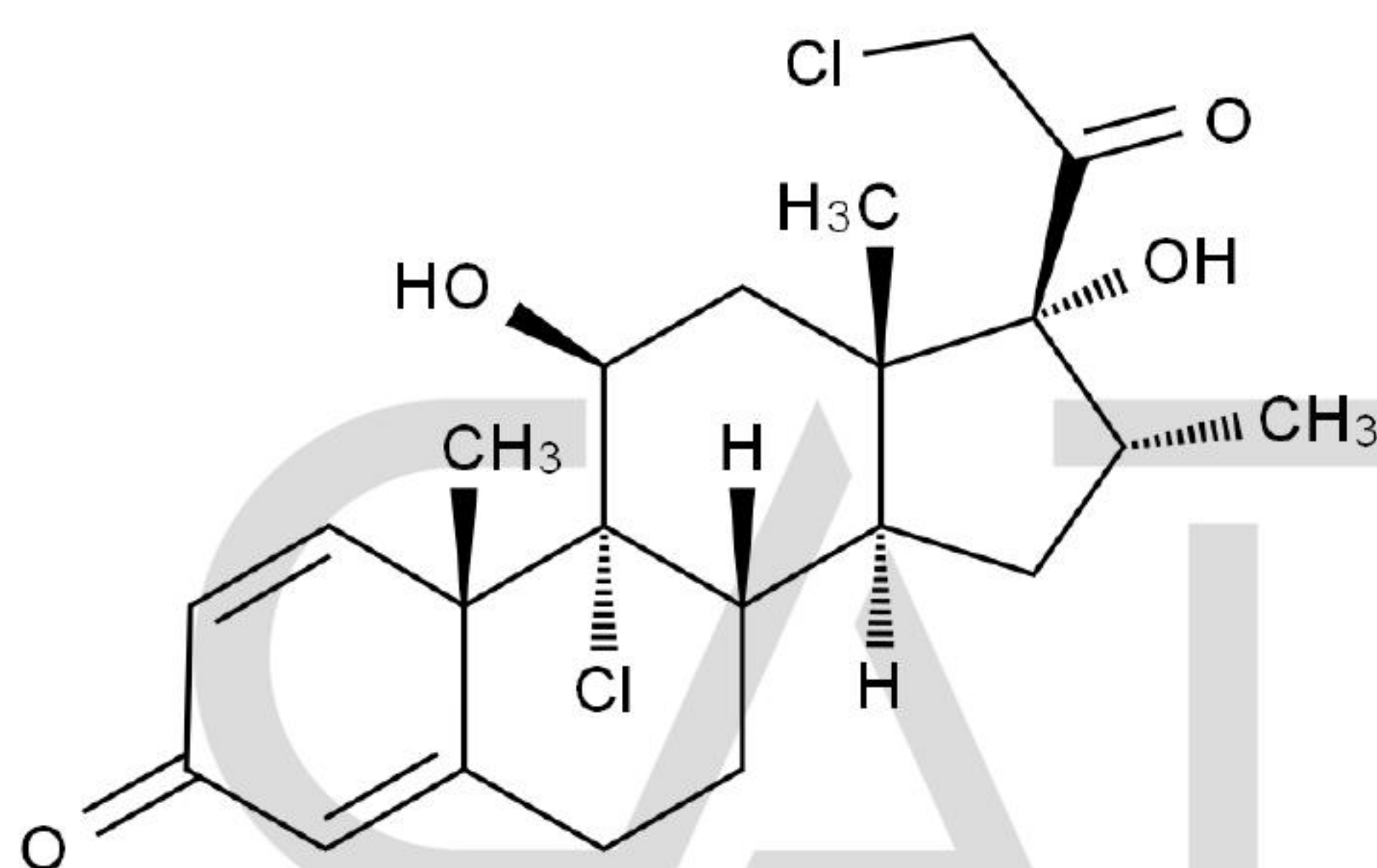


Certificate of Analysis

Reference Material & Standard

Product Name:	Mometasone Furoate EP Impurity G	Catalogue Number:	C4X-17043
Synonyms:	9,21-Dichloro-11 β ,17-dihydroxy-16 α -methylpregna-1,4-diene-3,20-dione	Lot Number:	0105-RH-0103
CAS Number:	105102-22-5	Expiry Date:	Jan 25, 2030
Molecular Formula:	C ₂₂ H ₂₈ Cl ₂ O ₄	Storage:	-20°C $\pm$ 5°C Sealed
Molecular Weight:	427.36	Shipping Condition:	Shipping with Ice Packs
Solubility:	Soluble in Acetonitrile and DMSO	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	97.757%
Water Content	Karl Fischer	1.4954%
Residual Solvents	NMR	Not detected in NMR
Residue on Ignition	TGA	0.9770%
Assay	qNMR	94.8%
Assay	Mass Balance	95.3%

Comment:

- The retest date of this product is Jan 25, 2029.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

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

Signature:

Prepared by:

Koi

Reviewed by:

Alice

Approved by General Manager:

David

Date: Feb 06, 2026

Date: Feb 06, 2026

Date: Feb 06, 2026



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