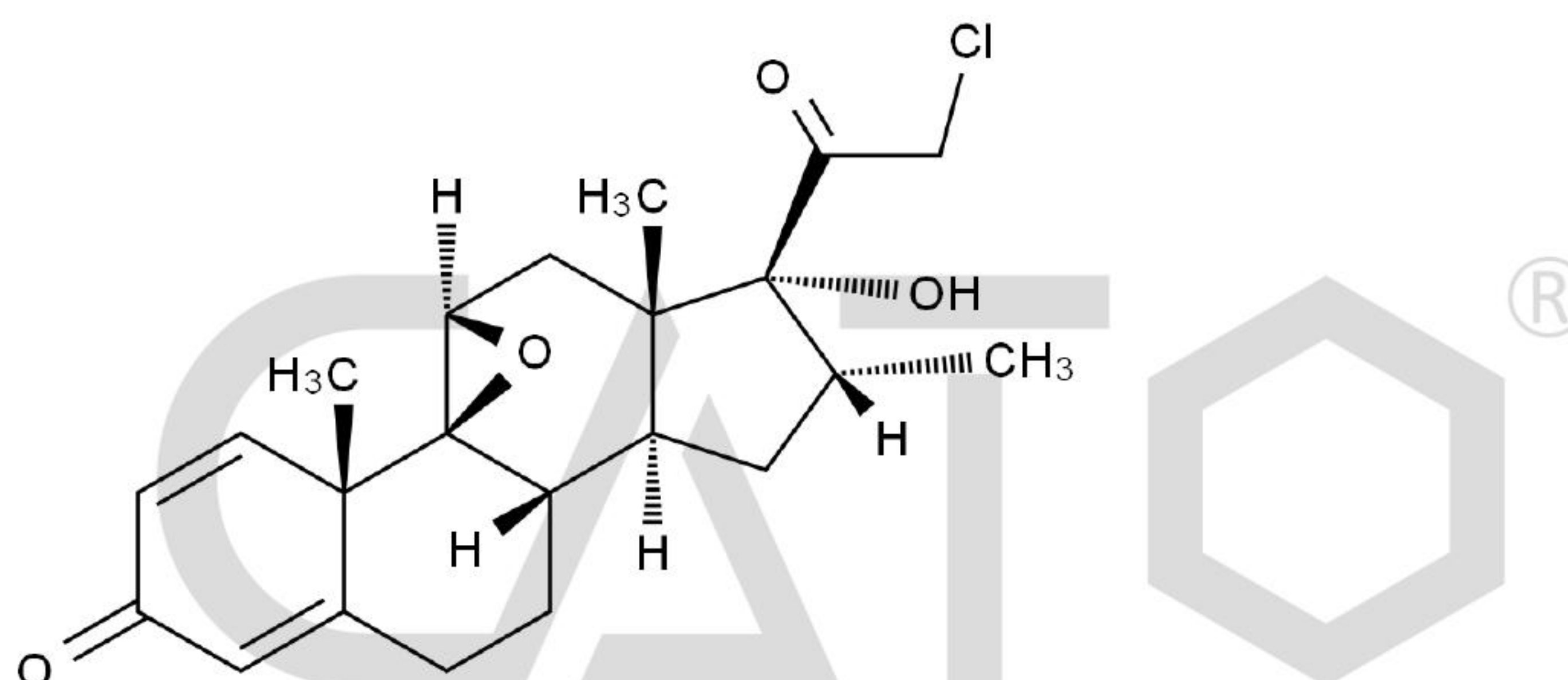


Certificate of Analysis

Reference Material & Standard

Product Name:	Mometasone Furoate EP Impurity Q	Catalogue Number:	C4X-170417
Synonyms:	21-Chloro-9,11 β -epoxy-17-hydroxy-16 α -methyl-9 β -pregna-1,4-diene-3,20-dione	Lot Number:	0313-RH-0058
CAS Number:	83881-08-7	Expiry Date:	Mar 31, 2030
Molecular Formula:	C ₂₂ H ₂₇ ClO ₄	Storage:	-20°C $\pm$ 5°C Sealed
Molecular Weight:	390.90	Shipping Condition:	Shipping with Ice Packs
Solubility:	Soluble in Acetonitrile and DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	99.555%
Residue on Ignition	TGA	0.2784%
Loss on Drying	TGA	0.0608%
Assay	qNMR	98.4%
Assay	Mass Balance	99.2%

Comment:

- The retest date of this product is Mar 31, 2029.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

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

Signature:

Prepared by:

Koi

Reviewed by:

Alice

Approved by General Manager:

David

Date: Apr 01, 2026

Date: Apr 02, 2026

Date: Apr 02, 2026



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