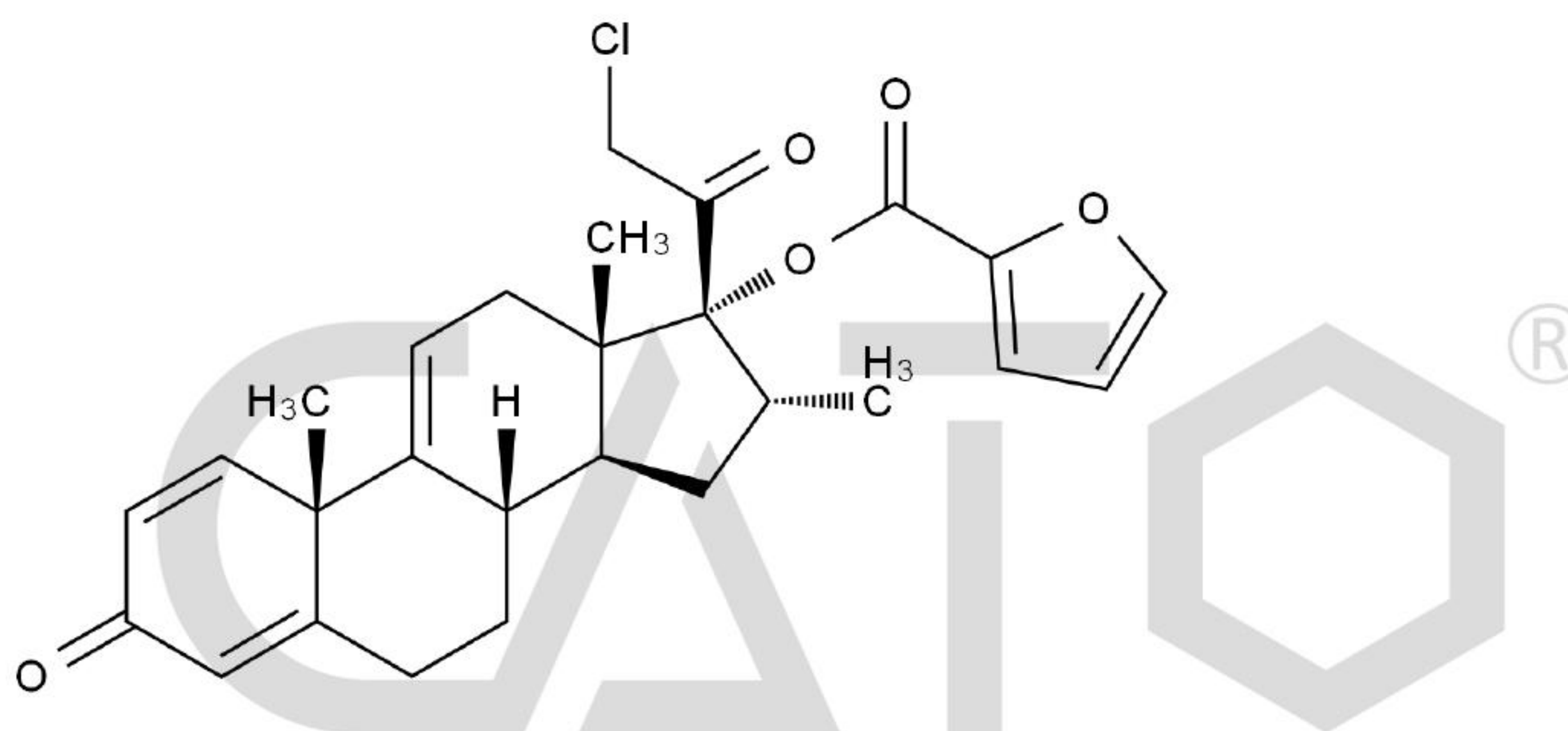


Certificate of Analysis

Reference Material & Standard

Product Name:	Mometasone Furoate EP Impurity A	Catalogue Number:	C4X-17041
Synonyms:	21-Chloro-16 α -methyl-3,20-dioxopregna-1,4,9(11)-trien-17-yl furan-2-carboxylate	Lot Number:	0609-RH-0051
CAS Number:	83880-65-3	Expiry Date:	Jun 25, 2030
Molecular Formula:	C ₂₇ H ₂₉ ClO ₅	Storage:	2°C ~ 8°C Sealed
Molecular Weight:	468.97	Shipping Condition:	Shipping at Room Temperature
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	99.775%
Water Content	Karl Fischer	0.6014%
Residual Solvents	NMR	Not detected in NMR
Residue on Ignition	TGA	0.5189%
Assay	qNMR	98.2%
Assay	Mass Balance	98.7%

Comment:

- The retest date of this product is Jun 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: Jun 26, 2026

Date: Jun 26, 2026

Date: Jun 26, 2026

