

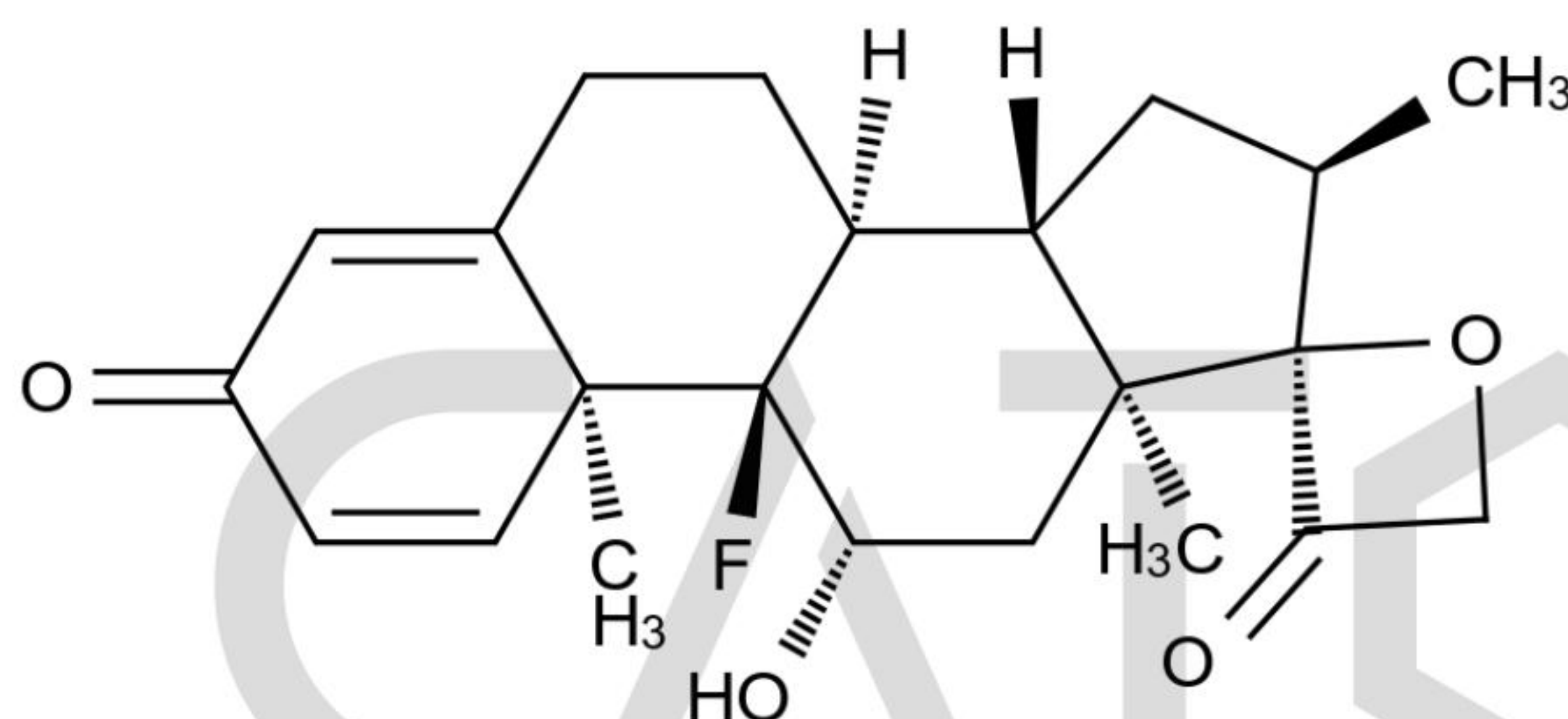
Certificate of Analysis

Reference Material & Standard

Product Name:	Dexamethasone Oxetanone	Catalogue Number:	C1801415
Synonyms:	(11 β ,16 α)-17,21-Epoxy-9-fluoro-11-hydroxy-16-methylpregna-1,4-diene-3,20-dione	Lot Number:	0427-RH-0059
CAS Number:	4089-36-5	Expiry Date:	May 12, 2030
Molecular Formula:	C ₂₂ H ₂₇ FO ₄	Storage:	-20°C $\pm$ 5°C Sealed
Molecular Weight:	374.45	Shipping Condition:	Shipping with Ice Packs
Solubility:	Soluble in Acetonitrile and DMSO	Warning:	



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	99.194%
Residue on Ignition	TGA	0.5787%
Loss on Drying	TGA	0.3395%
Assay	qNMR	98.3%
Assay	Mass Balance	98.3%

Comment:

- The retest date of this product is May 12, 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: May 13, 2026

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