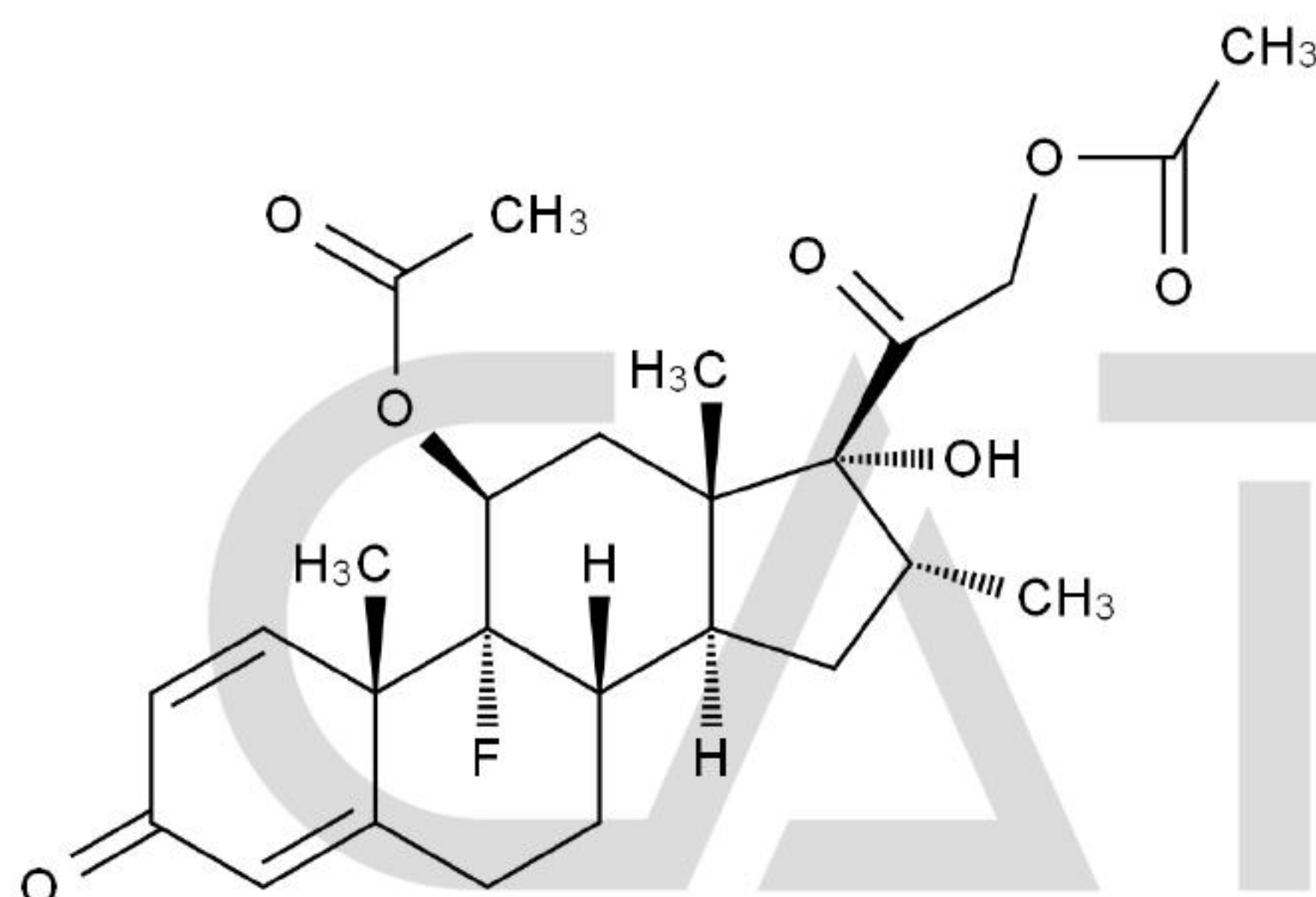


Certificate of Analysis

Reference Material & Standard

Product Name:	Dexamethasone Acetate EP Impurity I	Catalogue Number:	C4X-116513
Synonyms:	(11 β ,16 α)-9-Fluoro-17-hydroxy-16-methyl-3,20-dioxopregna-1,4-diene-11,21-diyl diacetate	Lot Number:	0609-RH-0055
CAS Number:	3949-26-6	Expiry Date:	Jun 16, 2030
Molecular Formula:	C ₂₆ H ₃₃ FO ₇	Storage:	2°C ~ 8°C Sealed
Molecular Weight:	476.53	Shipping Condition:	Shipping at Room Temperature
Solubility:	Soluble in Acetonitrile and DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	98.017%
Residue on Ignition	TGA	0.4132%
Loss on Drying	TGA	0.1424%
Assay	qNMR	96.9%
Assay	Mass Balance	97.5%

Comment:

- The retest date of this product is Jun 16, 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: Jun 17, 2026

Date: Jun 17, 2026

Date: Jun 17, 2026



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