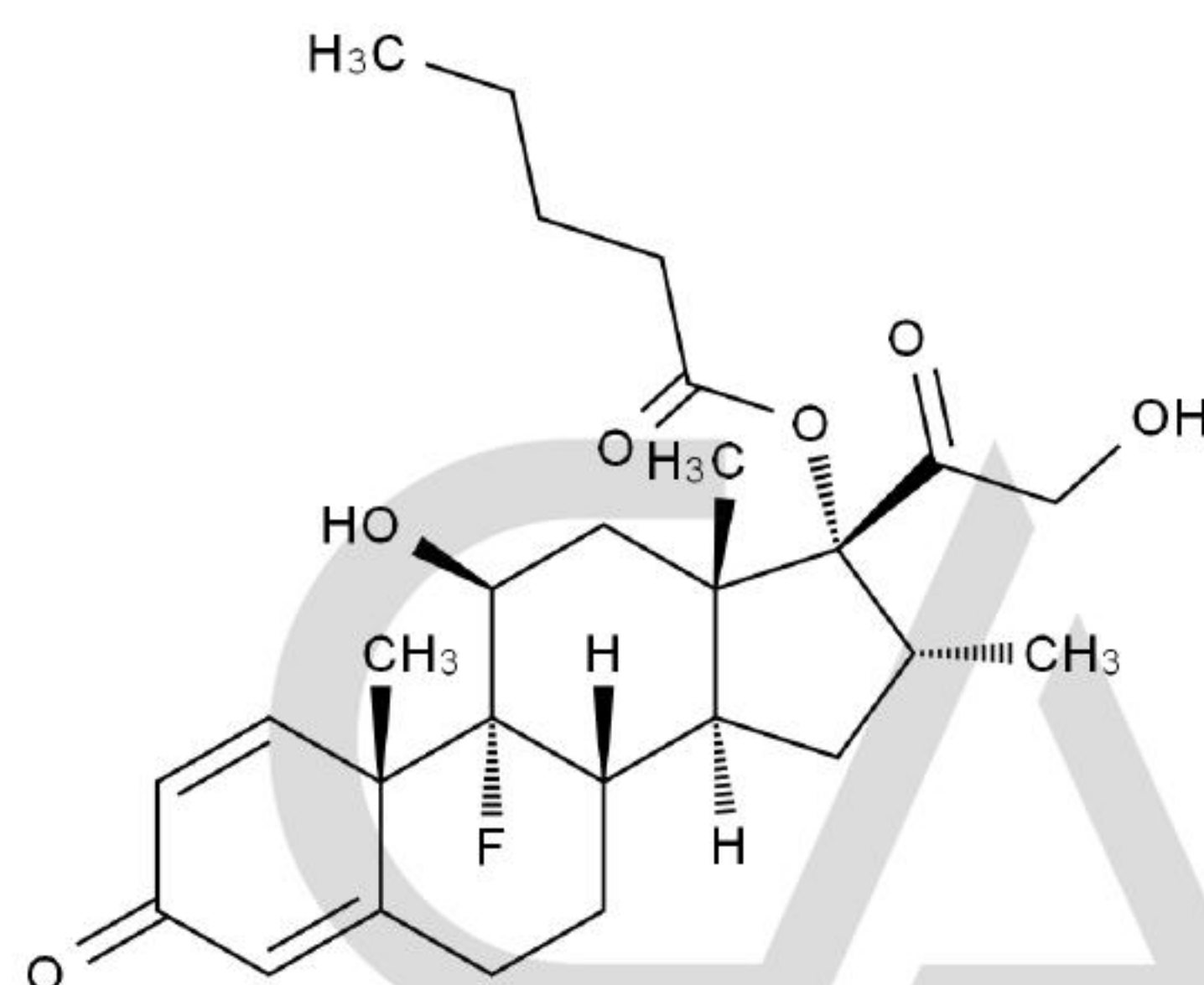


Certificate of Analysis

Reference Material & Standard

Product Name:	Betamethasone Valerate EP Impurity C	Catalogue Number:	C4X-143739
Synonyms:	(11 β ,16 α)-9-Fluoro-11,21-dihydroxy-16-methyl-3,20-dioxopregna-1,4-dien-17-yl valerate	Lot Number:	0609-RH-0053
CAS Number:	33755-46-3	Expiry Date:	Jun 23, 2030
Molecular Formula:	C ₂₇ H ₃₇ FO ₆	Storage:	-20°C $\pm$ 5°C Sealed
Molecular Weight:	476.58	Shipping Condition:	Shipping with Ice Packs
Solubility:	Soluble in Acetonitrile and DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	98.691%
Residue on Ignition	TGA	0.6303%
Loss on Drying	TGA	0.0808%
Assay	qNMR	98.7%
Assay	Mass Balance	98.0%

Comment:

- The retest date of this product is Jun 23, 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 24, 2026

Date: Jun 24, 2026

Date: Jun 24, 2026

Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>



Official WeChat