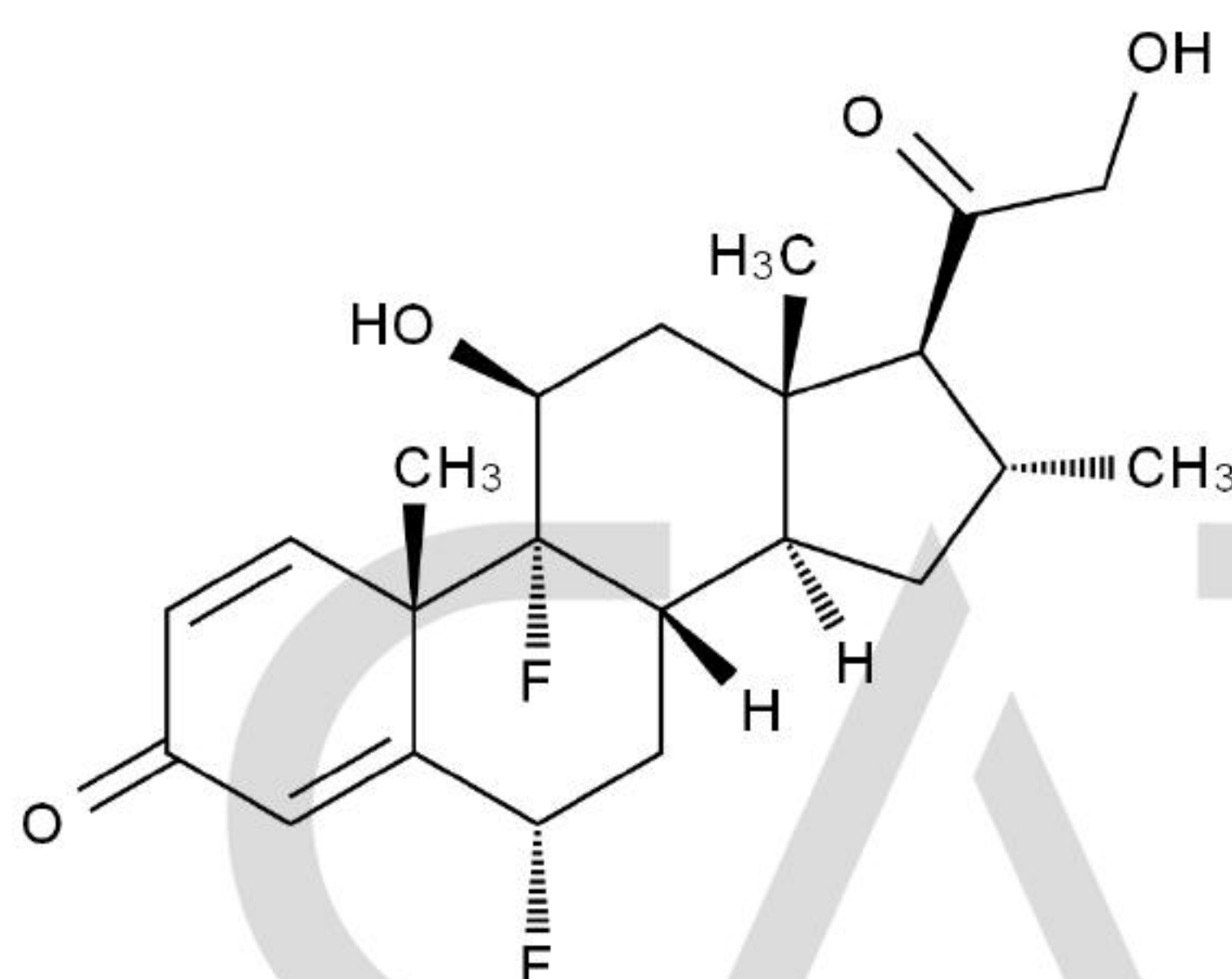


Certificate of Analysis

Reference Material & Standard

Product Name:	Difluocortolone	Catalogue Number:	CCAD301962
Synonyms:	N/A	Lot Number:	0528-RC-0049
CAS Number:	2607-06-9	Expiry Date:	Apr 20, 2023
Molecular Formula:	C ₂₂ H ₂₈ F ₂ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	394.45	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	97.8208%
Water Content	Karl Fischer	0.3%
Residual Solvents	NMR	2.2% dichloromethane
Assay		95.4%
Uncertainty		±2.0%

Comment:

- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content} - \text{Residual Solvents}) * \text{Purity HPLC (\%)} / 100\%$$

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.
- The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by: 李翠婷

Reviewed by: *Debia*

Approved by General Manager: *David*

Date: Jun 02, 2021

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