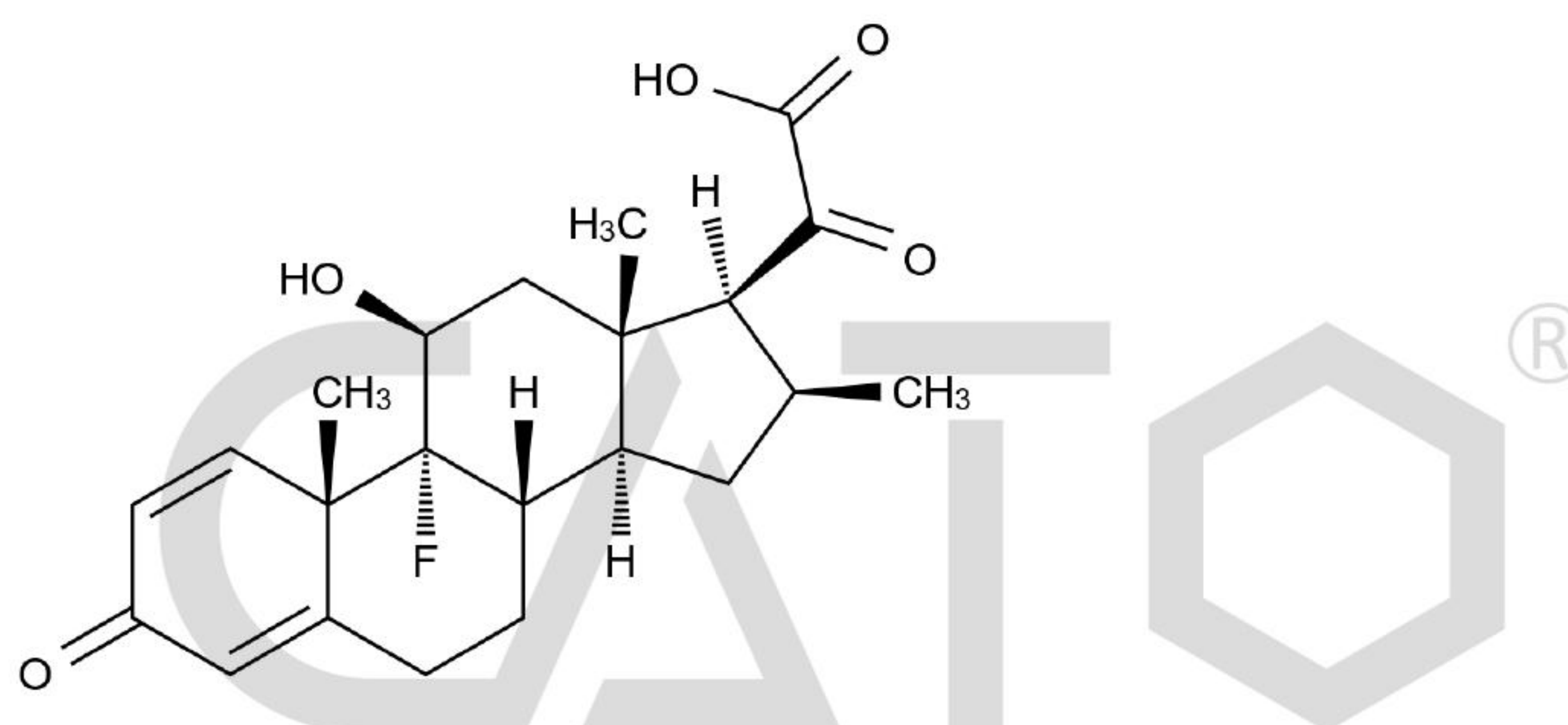


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                 |                            |                                           |
|---------------------------|-------------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Betamethasone impurity 49                       | <b>Catalogue Number:</b>   | C4X-143749                                |
| <b>Synonyms:</b>          | N/A                                             | <b>Lot Number:</b>         | 0203-RH-0153                              |
| <b>CAS Number:</b>        | N/A                                             | <b>Expiry Date:</b>        | Feb 08, 2030                              |
| <b>Molecular Formula:</b> | C <sub>22</sub> H <sub>27</sub> FO <sub>5</sub> | <b>Storage:</b>            | -20°C±5°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 390.45                                          | <b>Shipping Condition:</b> | Shipping with Ice Packs                   |

Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&HNMR         | Confirmed   |
| Purity         | HPLC              | 97.617%     |
| Loss On Drying | TGA               | 4.0965%     |
| Assay          |                   | 93.6%       |

## Comment:

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

$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

## Signature:

Prepared by:

*Nice*

Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: Feb 09, 2026

Date: Feb 09, 2026

Date: Feb 09, 2026



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