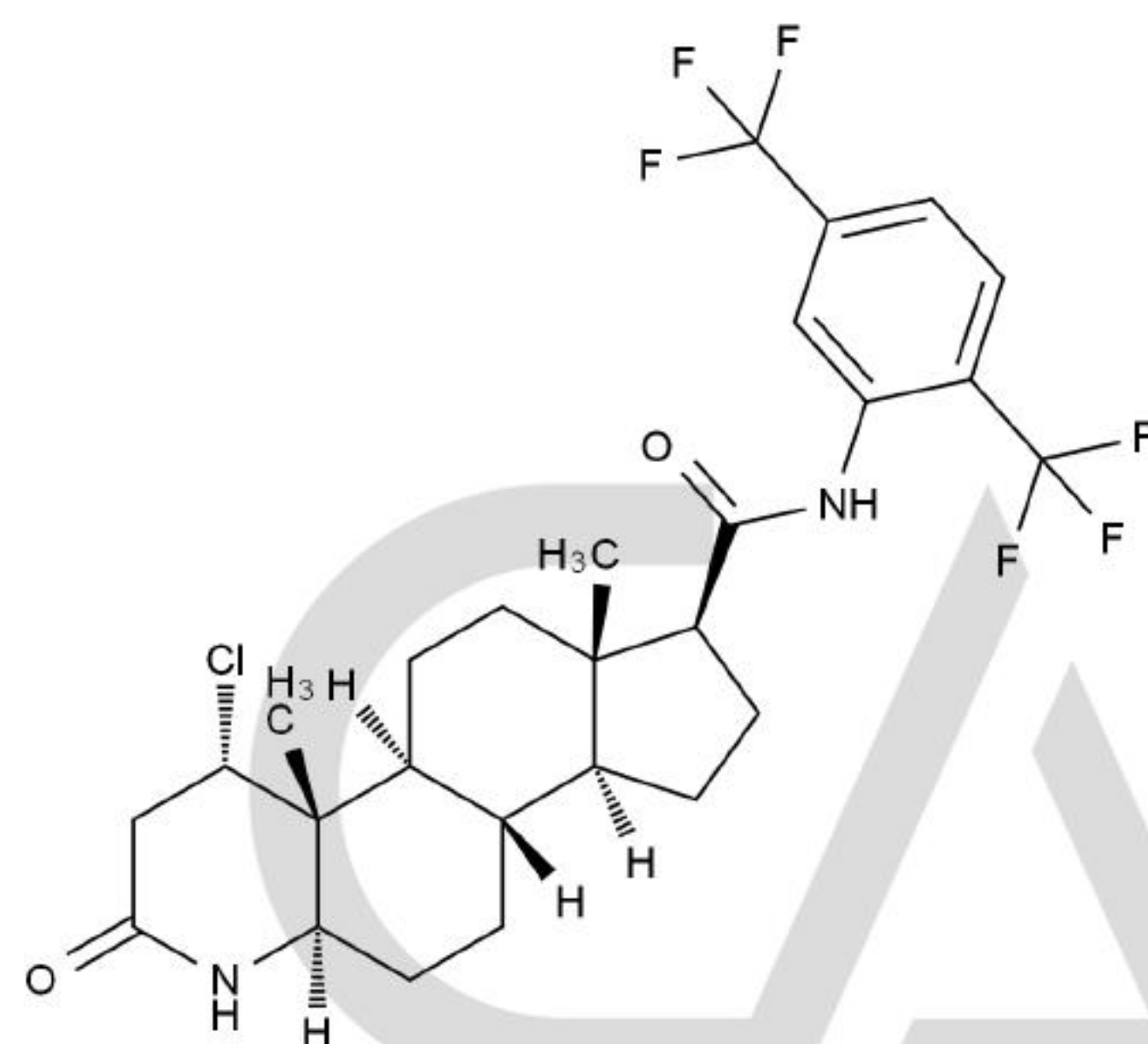


# Certificate of Analysis

## Reference Material & Standard

|                           |                           |                            |                                           |
|---------------------------|---------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Dutasteride EP Impurity F | <b>Catalogue Number:</b>   | C4X-11036                                 |
| <b>Synonyms:</b>          | Chlorodutasteride         | <b>Lot Number:</b>         | 0729-RH-0088                              |
| <b>CAS Number:</b>        | N/A                       | <b>Expiry Date:</b>        | Jul 20, 2028                              |
| <b>Molecular Formula:</b> | $C_{27}H_{31}ClF_6N_2O_2$ | <b>Storage:</b>            | -20°C±5°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 564.99                    | <b>Shipping Condition:</b> | 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              | 98.8033%                 |
| Water Content     | Karl Fischer      | 1.50%                    |
| Residual Solvents | NMR               | 0.4% acetonitrile        |
| Assay             |                   | 96.9%                    |

### Comment:

- The compound contains 1.2% Dutasteride (RT 7.78) according to its HPLC.
- 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.

### Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Jul 30, 2026

Date: Jul 31, 2026

Date: Jul 31, 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>

