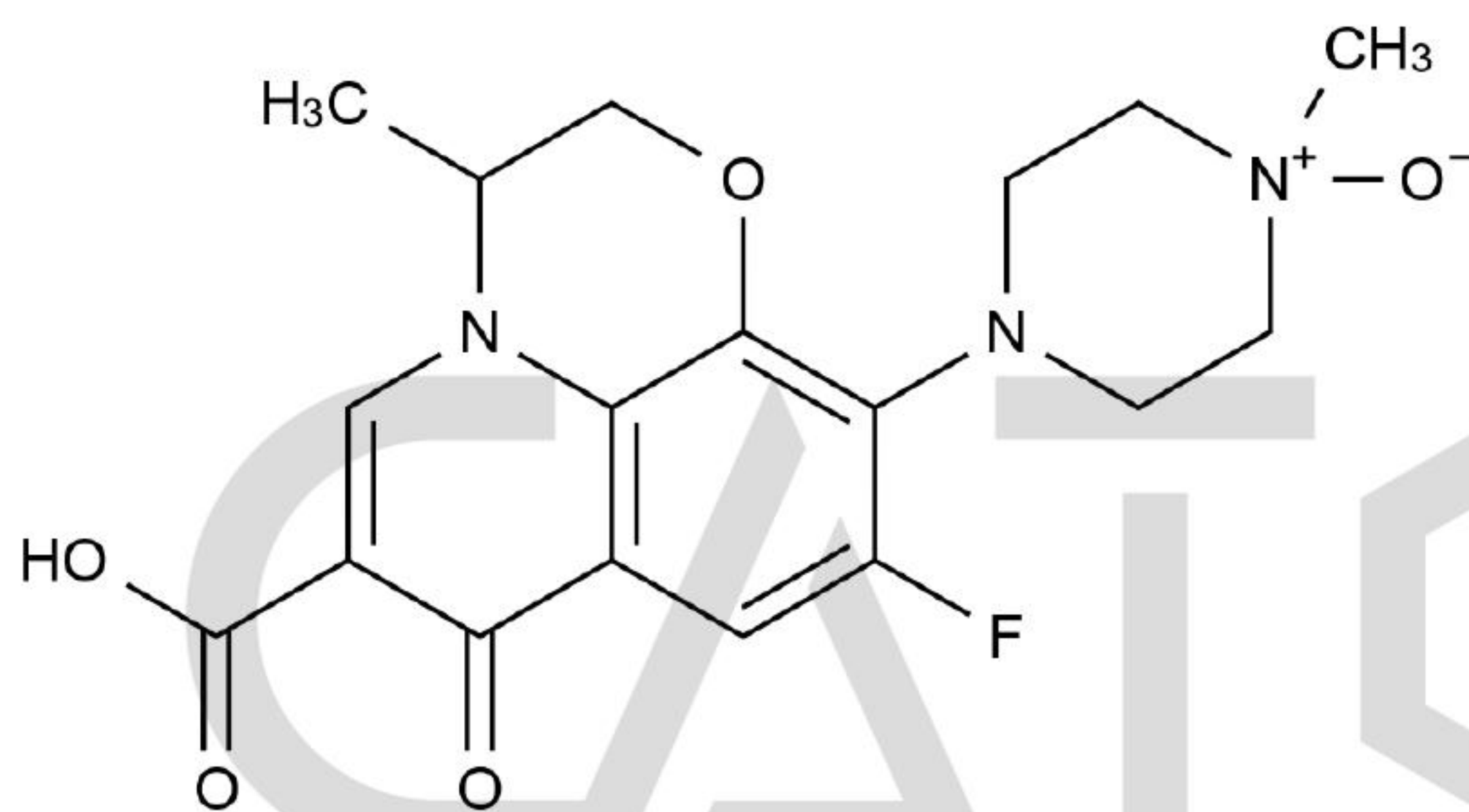


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                                |                            |                                           |
|---------------------------|----------------------------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Ofloxacin EP Impurity F(Levofloxacin Impurity 25)              | <b>Catalogue Number:</b>   | C4X-137125                                |
| <b>Synonyms:</b>          | N/A                                                            | <b>Lot Number:</b>         | 0310-RH-0015                              |
| <b>CAS Number:</b>        | 104721-52-0                                                    | <b>Expiry Date:</b>        | Sep 29, 2030                              |
| <b>Molecular Formula:</b> | C <sub>18</sub> H <sub>20</sub> FN <sub>3</sub> O <sub>5</sub> | <b>Storage:</b>            | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 377.37                                                         | <b>Shipping Condition:</b> | Shipping at Room Temperature              |

Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&HNMR         | Confirmed   |
| Purity         | HPLC              | 99.940%     |
| Loss on Drying | TGA               | 2.7529%     |
| Assay          | Mass Balance      | 97.2%       |

## Comment:

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

Assay (%) = (100% - Loss on Drying) \* Purity HPLC (%) / 100%

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

## Signature:

Prepared by:

*Koi*

Reviewed by:

*Yuki*

Approved by General Manager:

*David*

Date: Sep 30, 2026

Date: Sep 30, 2026

Date: Sep 30, 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>

