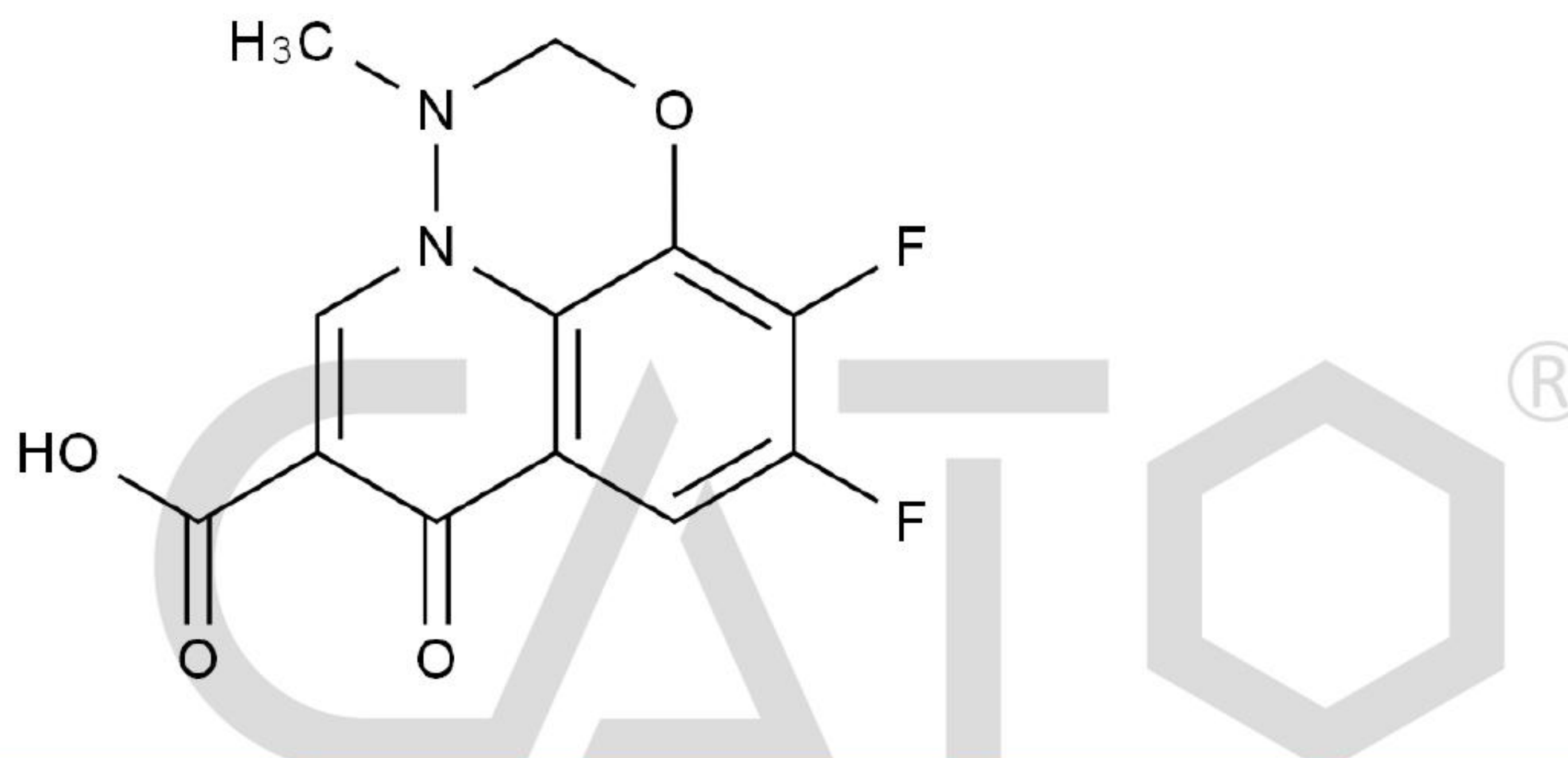


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                                             |                            |                                           |
|---------------------------|-----------------------------------------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Marbofloxacin EP Impurity B                                                 | <b>Catalogue Number:</b>   | C4X-18002                                 |
| <b>Synonyms:</b>          | N/A                                                                         | <b>Lot Number:</b>         | 1225-RG-0008                              |
| <b>CAS Number:</b>        | 115551-41-2                                                                 | <b>Expiry Date:</b>        | Dec 29, 2027                              |
| <b>Molecular Formula:</b> | C <sub>12</sub> H <sub>8</sub> F <sub>2</sub> N <sub>2</sub> O <sub>4</sub> | <b>Storage:</b>            | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 282.20                                                                      | <b>Shipping Condition:</b> | Shipping at Room Temperature              |

### Chemical Structure:



| Test Items     | Method            | Results         |
|----------------|-------------------|-----------------|
| Appearance     | Visual inspection | Off-White Solid |
| Identification | LCMS&IR&CNMR&HNMR | Confirmed       |
| Purity         | HPLC              | 93.67%          |
| Loss On Drying | TGA               | 2.5688%         |
| Assay          |                   | 91.3%           |

### 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:

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Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: Dec 30, 2025

Date: Dec 30, 2025

Date: Dec 30, 2025



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