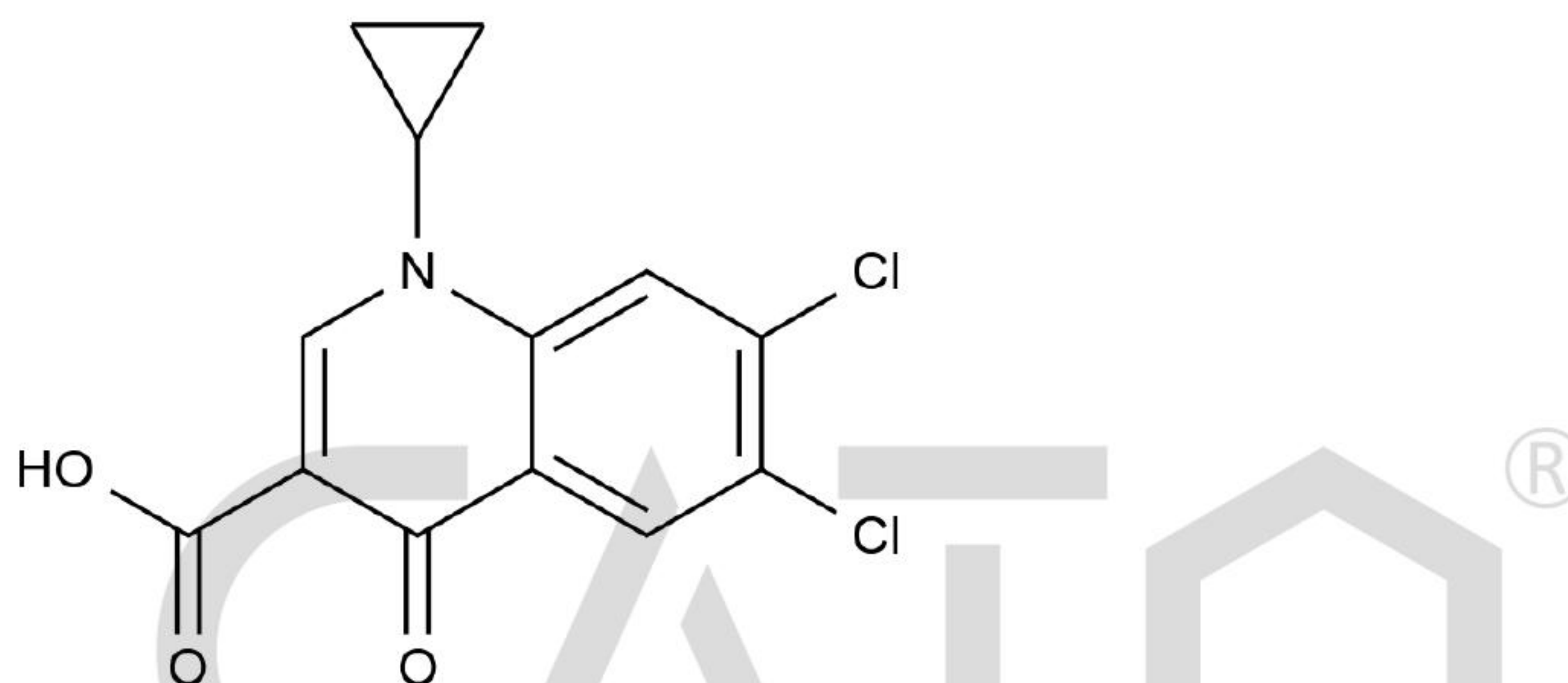


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                                |                   |                                           |
|--------------------|----------------------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Enrofloxacin Impurity 7                                        | Catalogue Number: | C4X-16287                                 |
| Synonyms:          | Ciprofloxacin Di-Chloro Impurity                               | Lot Number:       | 0903-RF-0052                              |
| CAS Number:        | 93107-31-4                                                     | Expiry Date:      | Sep 04, 2027                              |
| Molecular Formula: | C <sub>13</sub> H <sub>9</sub> Cl <sub>2</sub> NO <sub>3</sub> | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 298.12                                                         |                   |                                           |

Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&IR&UV&HNMR   | Confirmed   |
| Purity         | HPLC              | 99.169%     |
| Loss On Drying | TGA               | 0.0568%     |
| Assay          |                   | 99.1%       |

## Comment:

The calculation of the 100% 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:

*Nice*

Reviewed by:

*Koi*

Approved by General Manager:

*David*

Date: Sep 05, 2024

Date: Sep 05, 2024

Date: Sep 05, 2024

