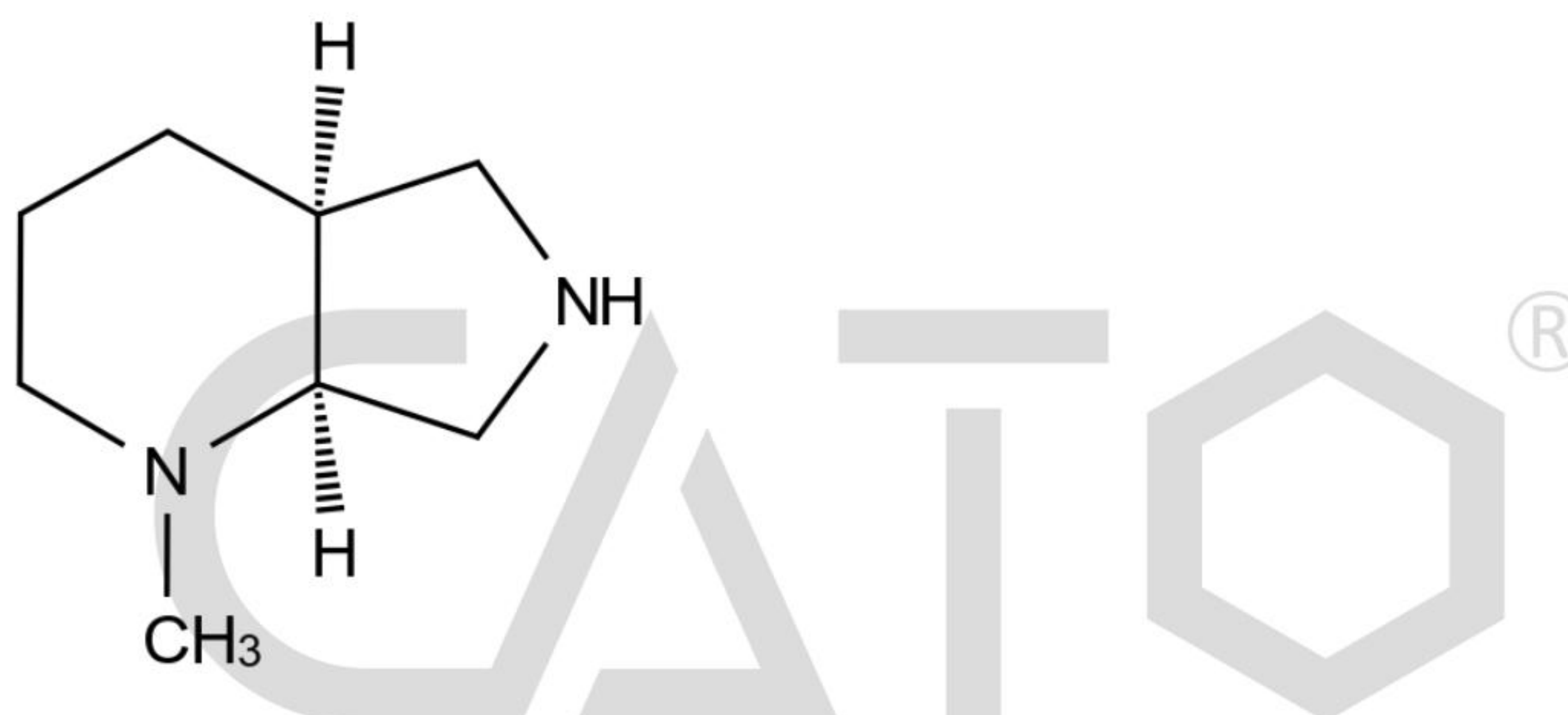


# Certificate of Analysis

## Reference Material & Standard

|                           |                                               |                            |                                           |
|---------------------------|-----------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Moxifloxacin impurity 180                     | <b>Catalogue Number:</b>   | C4X-1074180                               |
| <b>Synonyms:</b>          | N/A                                           | <b>Lot Number:</b>         | 1121-RG-0097                              |
| <b>CAS Number:</b>        | 151213-45-5                                   | <b>Expiry Date:</b>        | Nov 20, 2029                              |
| <b>Molecular Formula:</b> | C <sub>8</sub> H <sub>16</sub> N <sub>2</sub> | <b>Storage:</b>            | -20°C±5°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 140.23                                        | <b>Shipping Condition:</b> | Shipping with Ice Packs                   |

Chemical Structure:



| Test Items        | Method            | Results             |
|-------------------|-------------------|---------------------|
| Appearance        | Visual inspection | Brown Solid         |
| Identification    | LCMS&IR&CNMR&HNMR | Confirmed           |
| Purity            | GC                | 98.15500%           |
| Water Content     | Karl Fischer      | 0.33%               |
| Residual Solvents | NMR               | Not detected in NMR |
| Assay             |                   | 97.8%               |

## Comment:

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

Assay (%) = (100%-Water Content-Residual Solvents) \* Purity GC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, GC purity is considered as relative effect.

Signature:

Prepared by:

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*Lisa*

Approved by General Manager:

*David*

Date: Nov 27, 2025

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