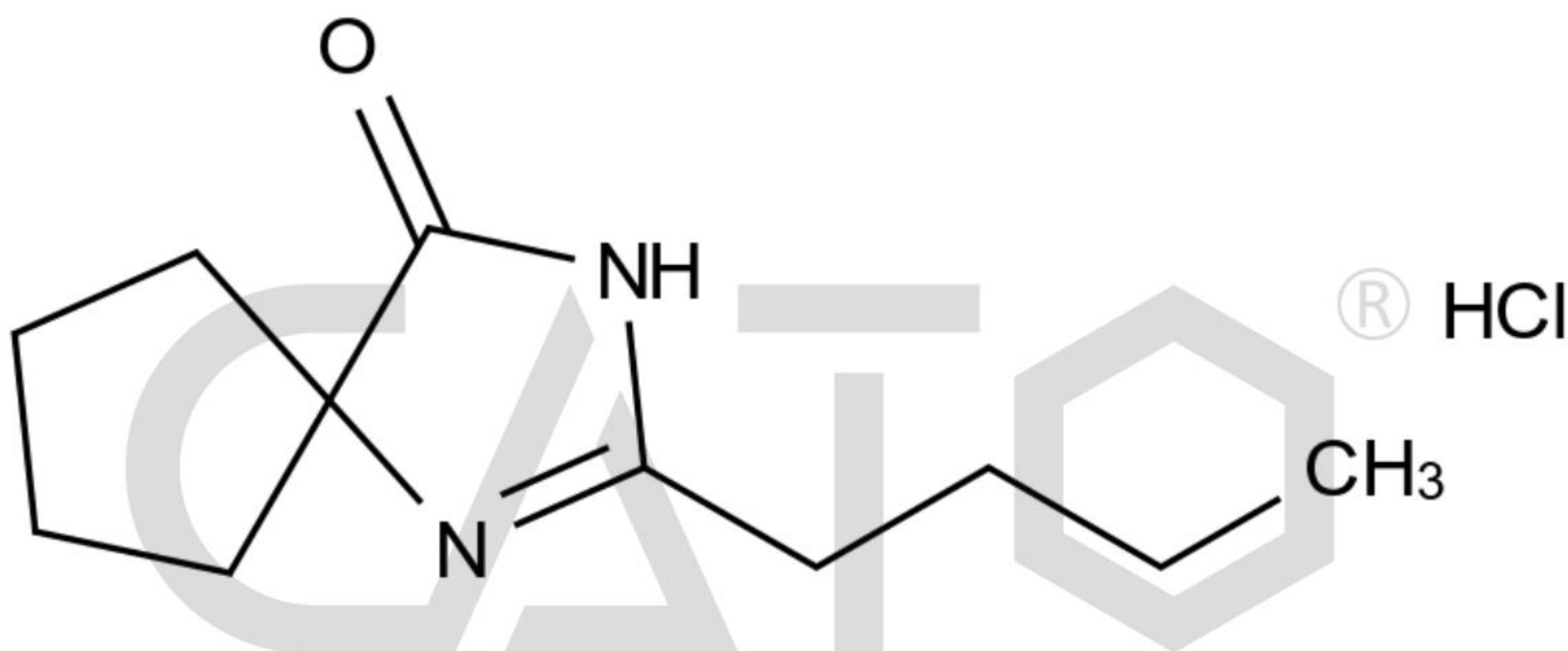


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                         |                          |                                                                                     |
|---------------------------|---------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|
| <b>Product Name:</b>      | Irbesartan Impurity 25                                  | <b>Catalogue Number:</b> | C4X-166625                                                                          |
| <b>Synonyms:</b>          | 2-Butyl-1,3-diazaspiro[4.4]non-1-en-4-one Hydrochloride | <b>Lot Number:</b>       | 0620-RG-0052                                                                        |
| <b>CAS Number:</b>        | 151257-01-1                                             | <b>Expiry Date:</b>      | Jun 19, 2028                                                                        |
| <b>Molecular Formula:</b> | C <sub>11</sub> H <sub>18</sub> N <sub>2</sub> O HCl    | <b>Storage:</b>          | 2°C ~ 8°C Protected from light and Sealed                                           |
| <b>Molecular Weight:</b>  | 194.27 36.46                                            | <b>Warning:</b>          |  |

Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&HNMR         | Confirmed   |
| Purity         | HPLC              | 100.0%      |
| Assay          | qNMR              | 98.7%       |

## Comment:

Assay was determined by quantitative <sup>1</sup>H-NMR.

Signature:

Prepared by:

*Nice*

Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: Jun 20, 2025

Date: Jun 20, 2025

Date: Jun 20, 2025

