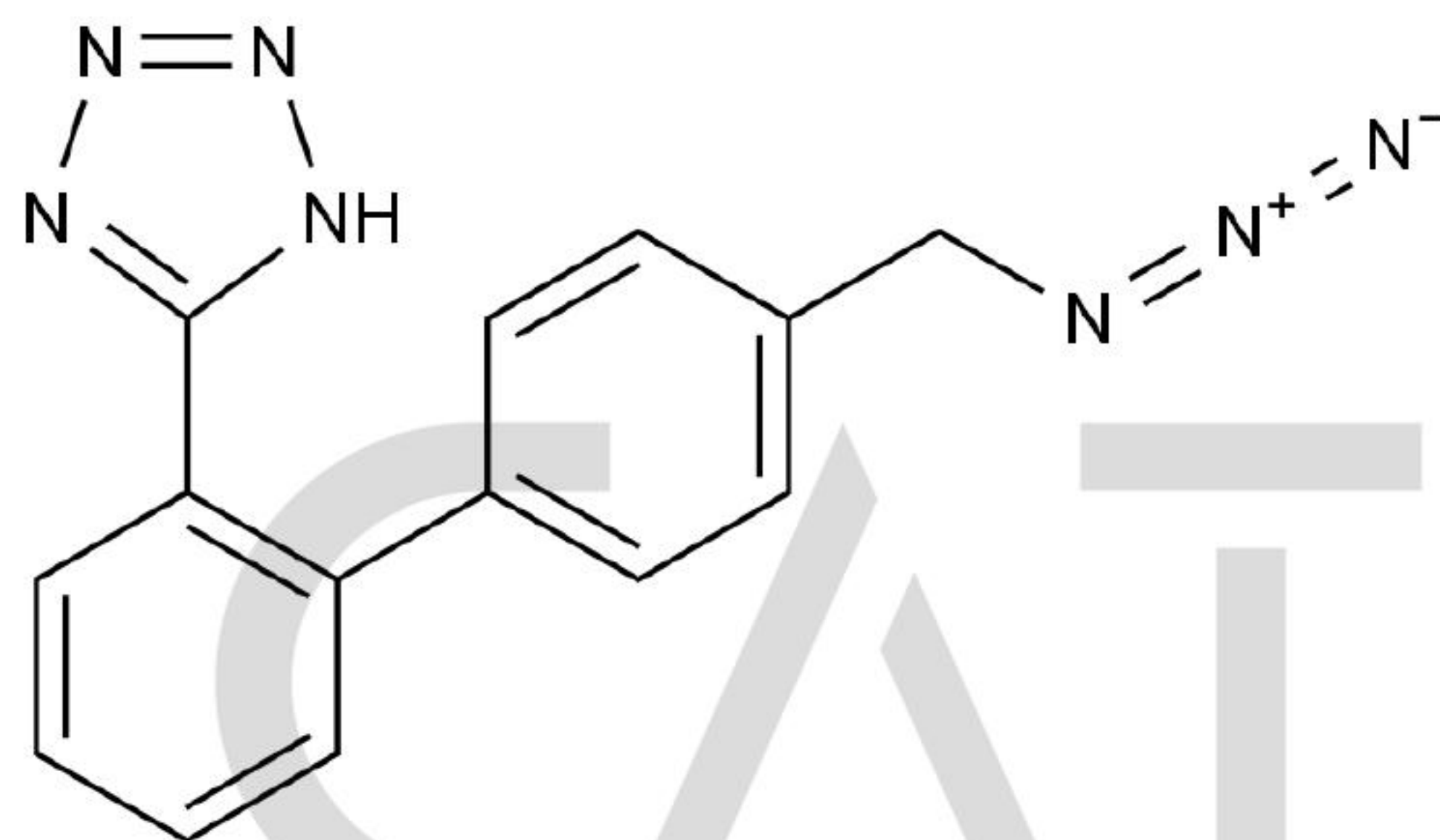


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                |                            |                         |
|---------------------------|------------------------------------------------|----------------------------|-------------------------|
| <b>Product Name:</b>      | Irbesartan Impurity 5                          | <b>Catalogue Number:</b>   | C4X-16665               |
| <b>Synonyms:</b>          | 5-[4'-(Azidomethyl)-2-biphenyl]-1H-tetrazole   | <b>Lot Number:</b>         | 0812-RH-0040            |
| <b>CAS Number:</b>        | 152708-24-2                                    | <b>Expiry Date:</b>        | Aug 26, 2030            |
| <b>Molecular Formula:</b> | C <sub>14</sub> H <sub>11</sub> N <sub>7</sub> | <b>Storage:</b>            | -20°C±5°C Sealed        |
| <b>Molecular Weight:</b>  | 277.28                                         | <b>Shipping Condition:</b> | Shipping with Ice Packs |
| <b>Solubility:</b>        | Soluble in Acetonitrile and DMSO               |                            |                         |

Chemical Structure:



| Test Items          | Method            | Results            |
|---------------------|-------------------|--------------------|
| Appearance          | Visual inspection | Light Yellow Solid |
| Identification      | LCMS&IR&CNMR&HNMR | Confirmed          |
| Purity              | HPLC              | 99.728%            |
| Residue on Ignition | TGA               | 0.4856%            |
| Loss on Drying      | TGA               | 0.0751%            |
| Assay               | qNMR              | 98.9%              |
| Assay               | Mass Balance      | 99.2%              |

## Comment:

- The retest date of this product is Aug 26, 2029.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):  

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss on Drying}) \times \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

## Signature:

Prepared by:

*Koi*

Reviewed by:

*Alice*

Approved by General Manager:

*David*

Date: Aug 27, 2026

Date: Aug 27, 2026

Date: Aug 27, 2026



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