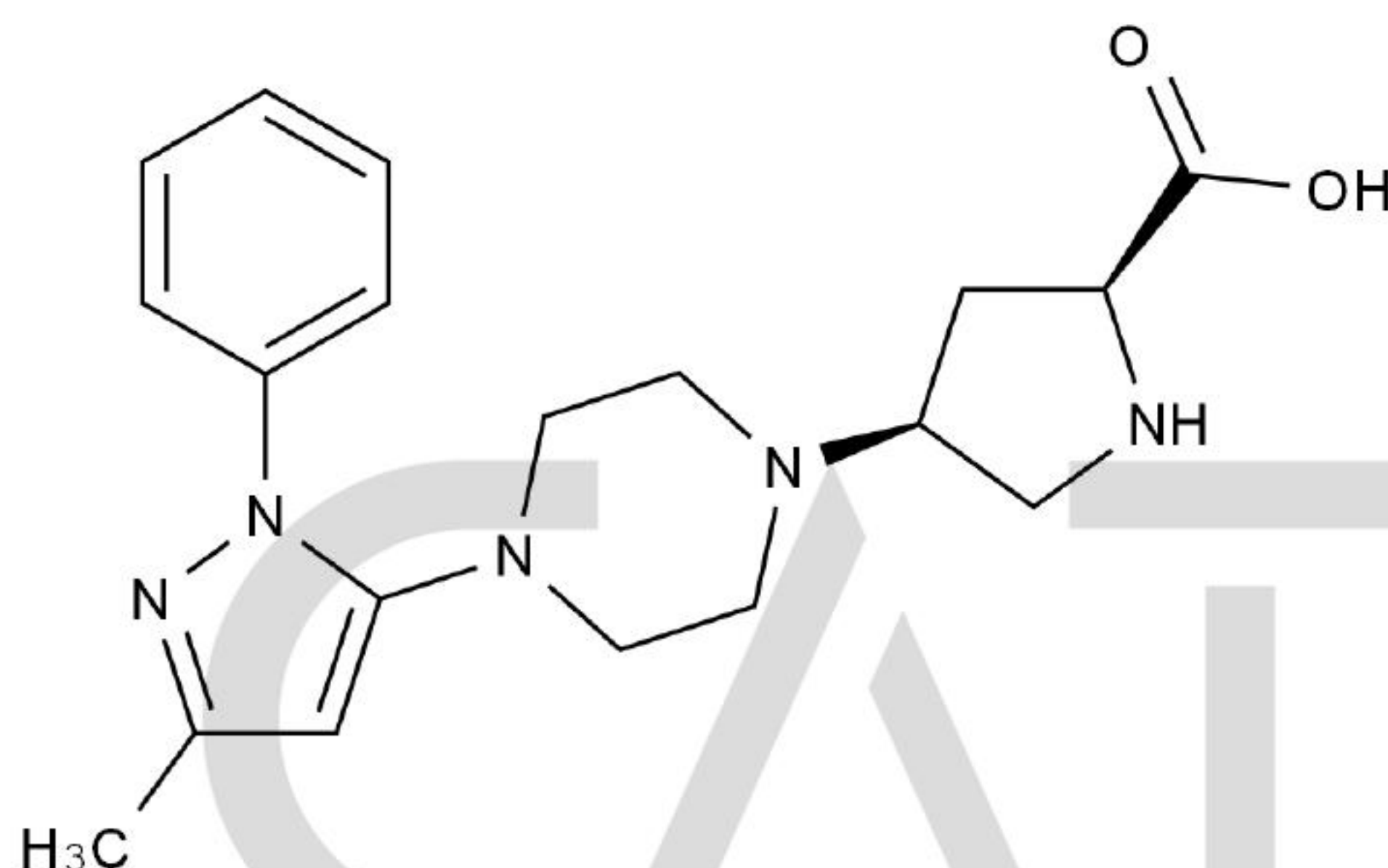


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                               |                            |                                           |
|---------------------------|---------------------------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Teneligliptin Impurity 9                                      | <b>Catalogue Number:</b>   | C4X-17609                                 |
| <b>Synonyms:</b>          | N/A                                                           | <b>Lot Number:</b>         | 0923-RH-0022                              |
| <b>CAS Number:</b>        | 2407632-38-4                                                  | <b>Expiry Date:</b>        | Jul 17, 2030                              |
| <b>Molecular Formula:</b> | C <sub>19</sub> H <sub>25</sub> N <sub>5</sub> O <sub>2</sub> | <b>Storage:</b>            | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 355.43                                                        | <b>Shipping Condition:</b> | Shipping at Room Temperature              |

Chemical Structure:



| Test Items        | Method            | Results             |
|-------------------|-------------------|---------------------|
| Appearance        | Visual inspection | Light Purple Solid  |
| Identification    | LCMS&UV&HNMR      | Confirmed           |
| Purity            | HPLC              | 99.917%             |
| Water Content     | Karl Fischer      | 3.43%               |
| Residual Solvents | NMR               | Not detected in NMR |
| Assay             |                   | 96.5%               |

## Comment:

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

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

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

## Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Sep 23, 2026

Date: Sep 23, 2026

Date: Sep 23, 2026



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