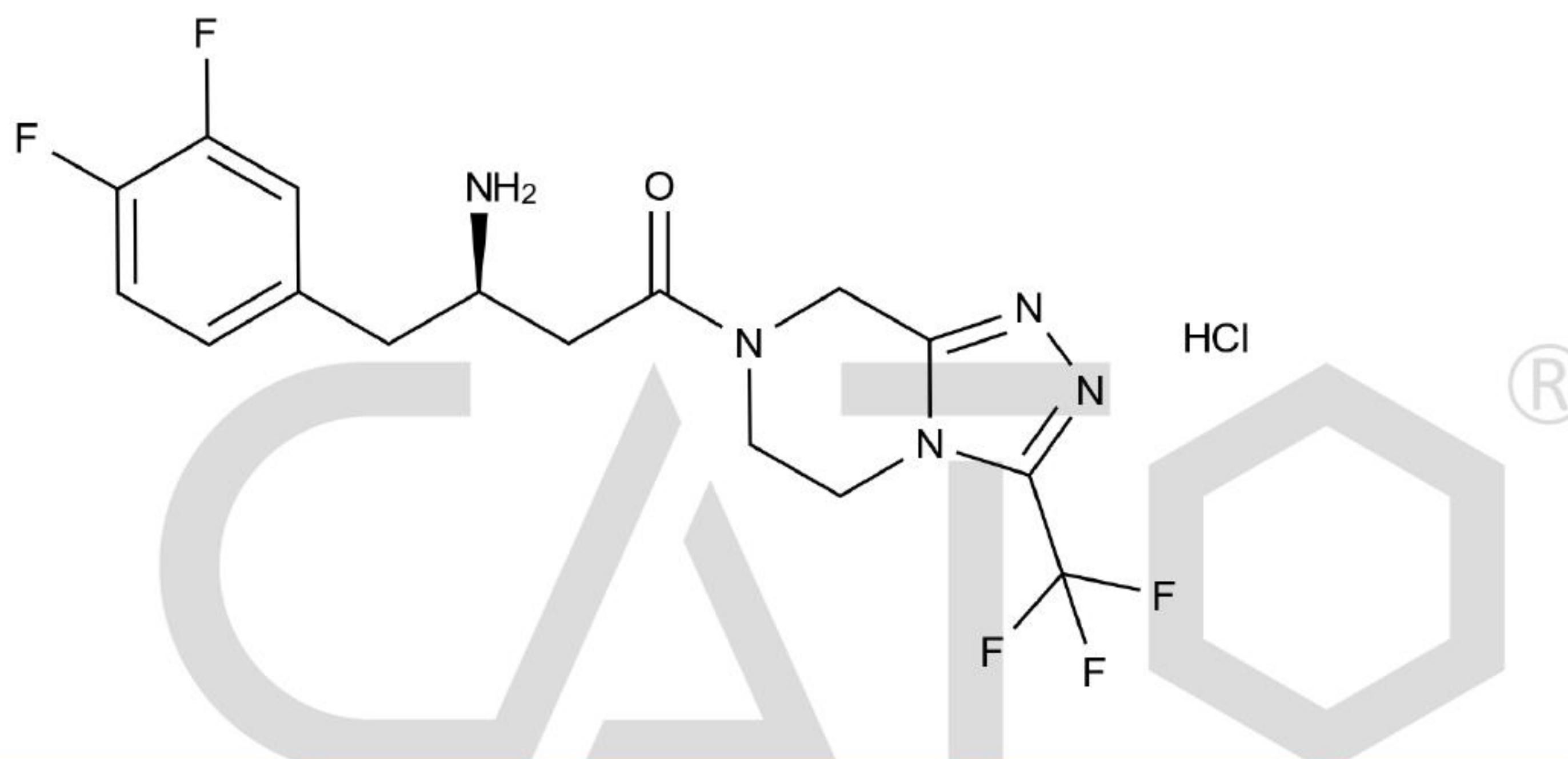


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                                     |                            |                                           |
|---------------------------|---------------------------------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Sitagliptin Impurity 174 HCl                                        | <b>Catalogue Number:</b>   | C4X-1144174                               |
| <b>Synonyms:</b>          | N/A                                                                 | <b>Lot Number:</b>         | 0317-RH-0117                              |
| <b>CAS Number:</b>        | 486459-88-5(free base)                                              | <b>Expiry Date:</b>        | Nov 17, 2029                              |
| <b>Molecular Formula:</b> | C <sub>16</sub> H <sub>16</sub> F <sub>5</sub> N <sub>5</sub> O HCl | <b>Storage:</b>            | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 389.32 36.46                                                        | <b>Shipping Condition:</b> | Shipping at Room Temperature              |

## Chemical Structure:



| Test Items     | Method            | Results         |
|----------------|-------------------|-----------------|
| Appearance     | Visual inspection | Off-White Solid |
| Identification | LCMS&HNMR         | Confirmed       |
| Purity         | HPLC              | 99.427%         |
| Loss On Drying | TGA               | 0.64%           |
| Assay          |                   | 98.8%           |

## Comment:

The calculation of the mass balance 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:

Reviewed by:

Approved by General Manager:

Date: Mar 18, 2026

Date: Mar 18, 2026

Date: Mar 18, 2026



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