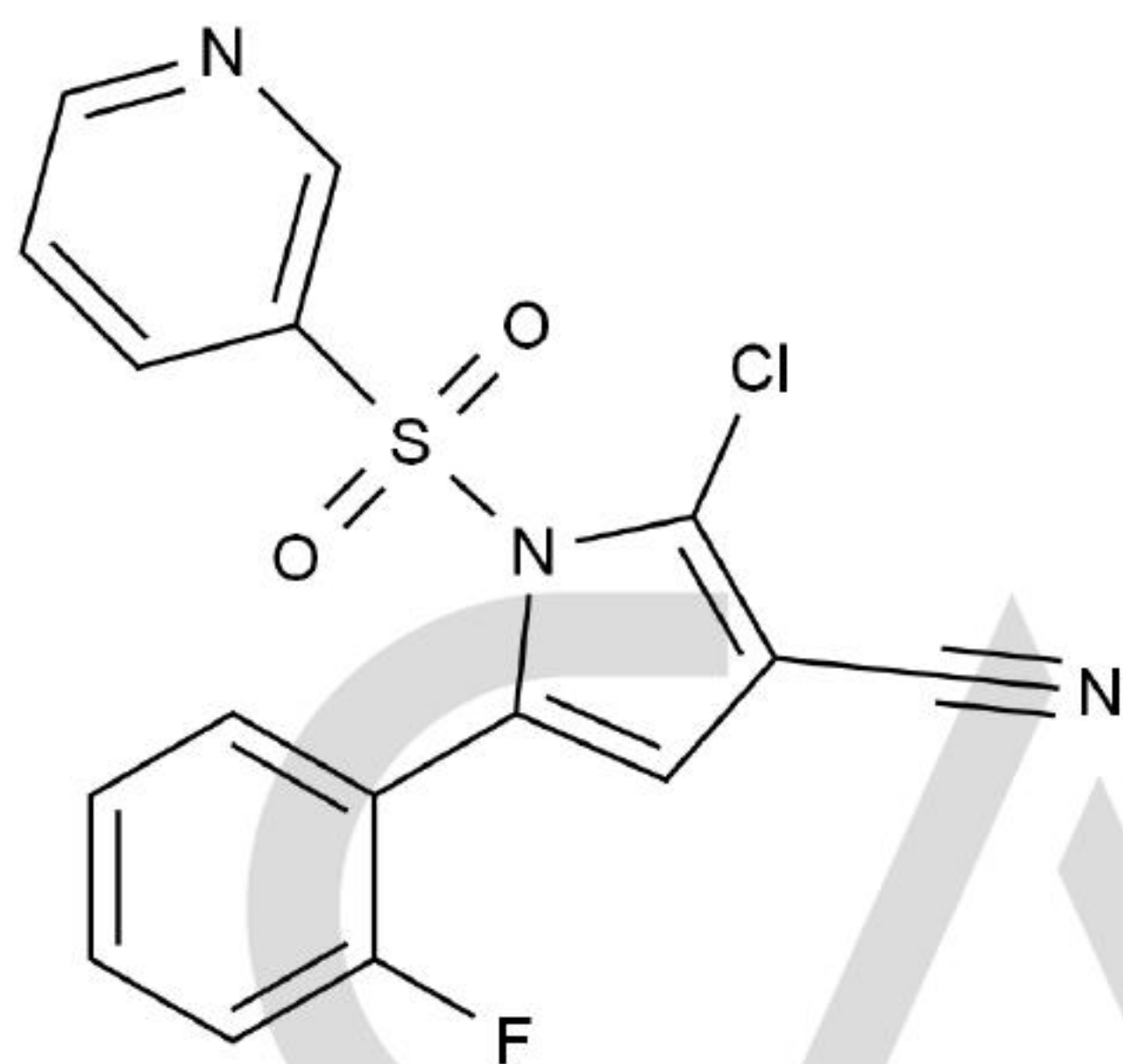


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                                   |                   |                                                                                     |
|--------------------|-------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------|
| Product Name:      | Vonoprazan Impurity 8                                             | Catalogue Number: | C4X-10208                                                                           |
| Synonyms:          | N/A                                                               | Lot Number:       | 0726-RF-0103                                                                        |
| CAS Number:        | N/A                                                               | Expiry Date:      | Jul 29, 2027                                                                        |
| Molecular Formula: | C <sub>16</sub> H <sub>9</sub> ClFN <sub>3</sub> O <sub>2</sub> S | Storage:          | 2°C ~ 8°C Protected from light and Sealed                                           |
| Molecular Weight:  | 361.78                                                            | Warning:          |  |

Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&HNMR         | Confirmed   |
| Purity         | HPLC              | 99.9%       |
| Assay          | qNMR              | 95.4%       |

## Comment:

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

## Signature:

Prepared by:

*Koi*

Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: Jul 30, 2024

Date: Jul 30, 2024

Date: Jul 30, 2024

