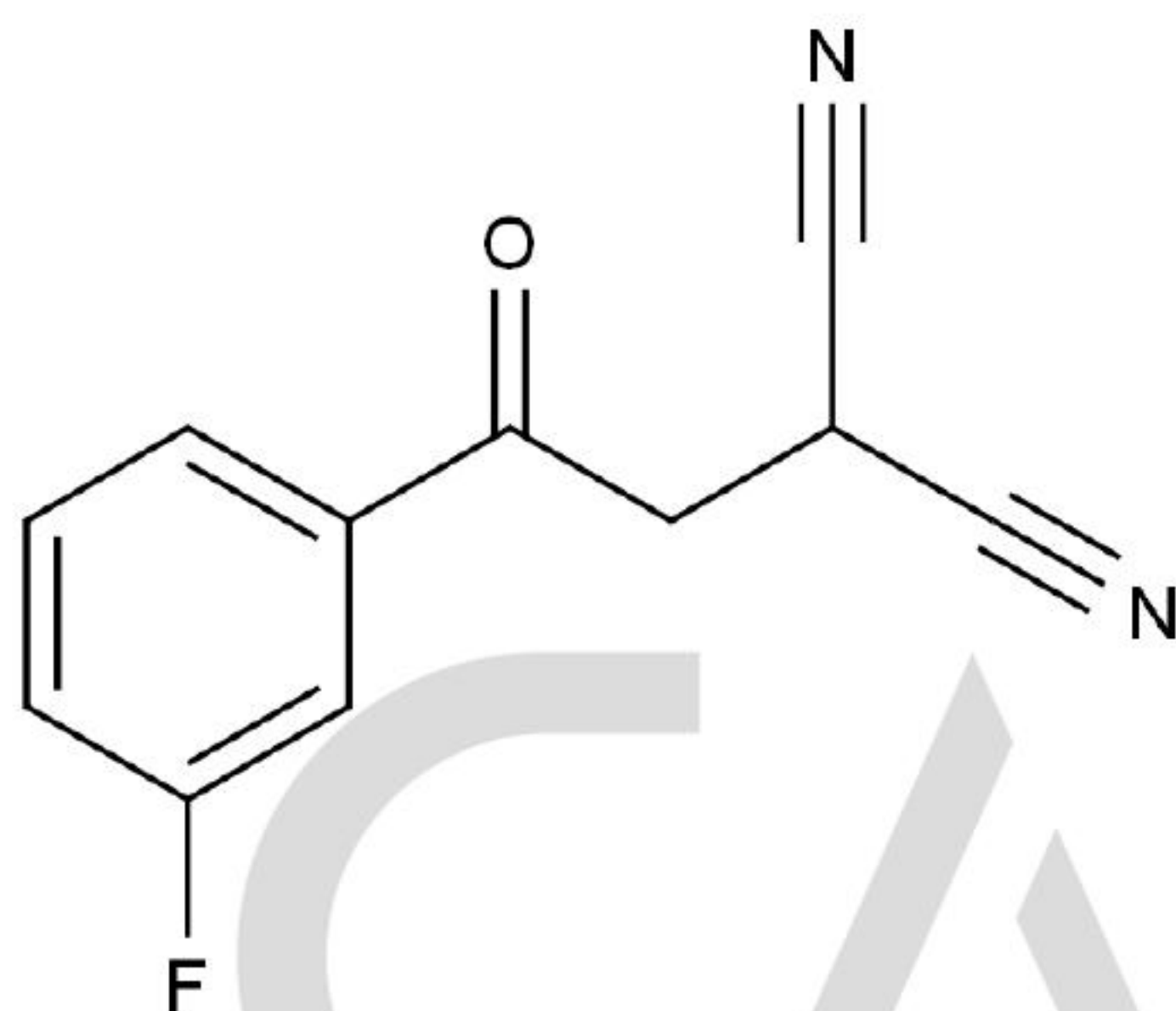


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                  |                   |                                           |
|--------------------|--------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Vonoprazan Impurity 148                          | Catalogue Number: | C4X-1020148                               |
| Synonyms:          | N/A                                              | Lot Number:       | 0522-RF-0011                              |
| CAS Number:        | 2304978-51-4                                     | Expiry Date:      | May 23, 2027                              |
| Molecular Formula: | C <sub>11</sub> H <sub>7</sub> FN <sub>2</sub> O | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 202.18                                           |                   |                                           |

Chemical Structure:



| Test Items     | Method            | Results         |
|----------------|-------------------|-----------------|
| Appearance     | Visual inspection | Off-White Solid |
| Identification | LCMS&HNMR         | Confirmed       |
| Purity         | HPLC              | 96.9%           |

Signature:

Prepared by:

*Nice*

Reviewed by:

*Koi*

Approved by General Manager:

*David*

Date: May 24, 2024

Date: May 24, 2024

Date: May 24, 2024

