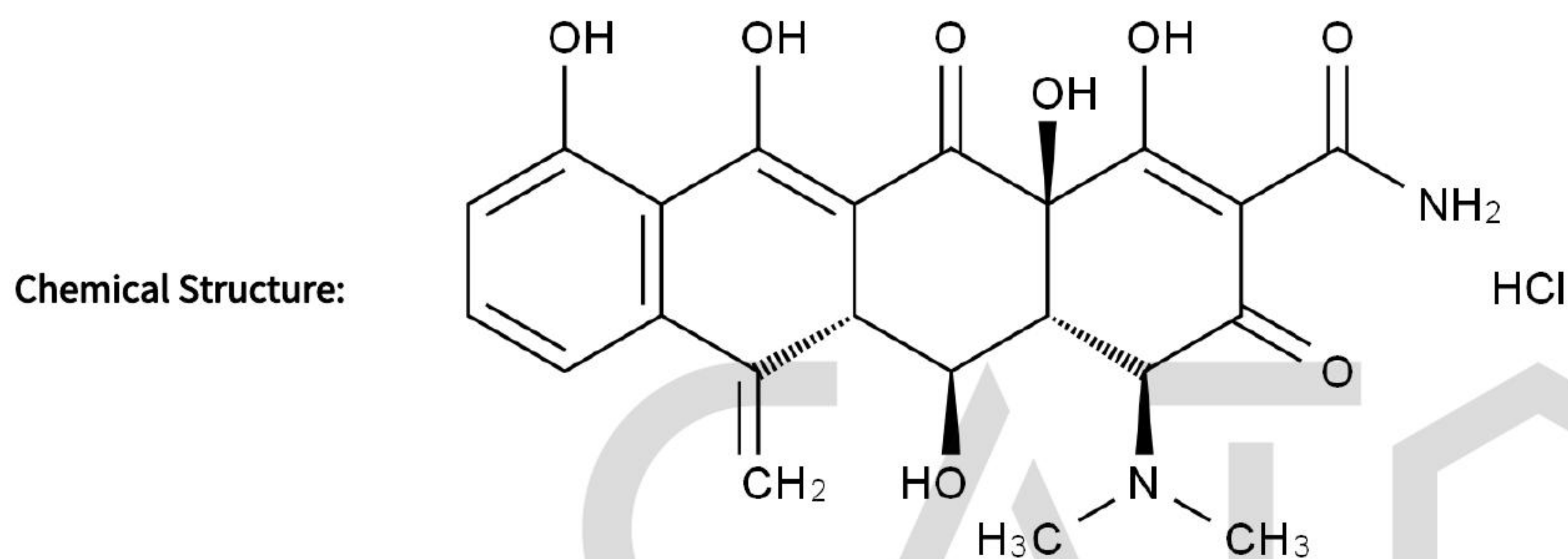


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                                   |                   |                                           |
|--------------------|-------------------------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Doxycycline EP Impurity B(HCl)                                    | Catalogue Number: | C4X-193113                                |
| Synonyms:          | N/A                                                               | Lot Number:       | 0823-RF-0065                              |
| CAS Number:        | 3963-95-9                                                         | Expiry Date:      | Aug 22, 2027                              |
| Molecular Formula: | C <sub>22</sub> H <sub>22</sub> N <sub>2</sub> O <sub>8</sub> HCl | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 442.42 36.46                                                      |                   |                                           |



| Test Items     | Method            | Results           |
|----------------|-------------------|-------------------|
| Appearance     | Visual inspection | Dark Yellow Solid |
| Identification | LCMS&HNMR         | Confirmed         |
| Purity         | HPLC              | 99.3%             |
| Assay          | qNMR              | 93.4%             |

## Comment:

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

## Signature:

Prepared by:

*Koi*

Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: Aug 23, 2024

Date: Aug 26, 2024

Date: Aug 26, 2024

