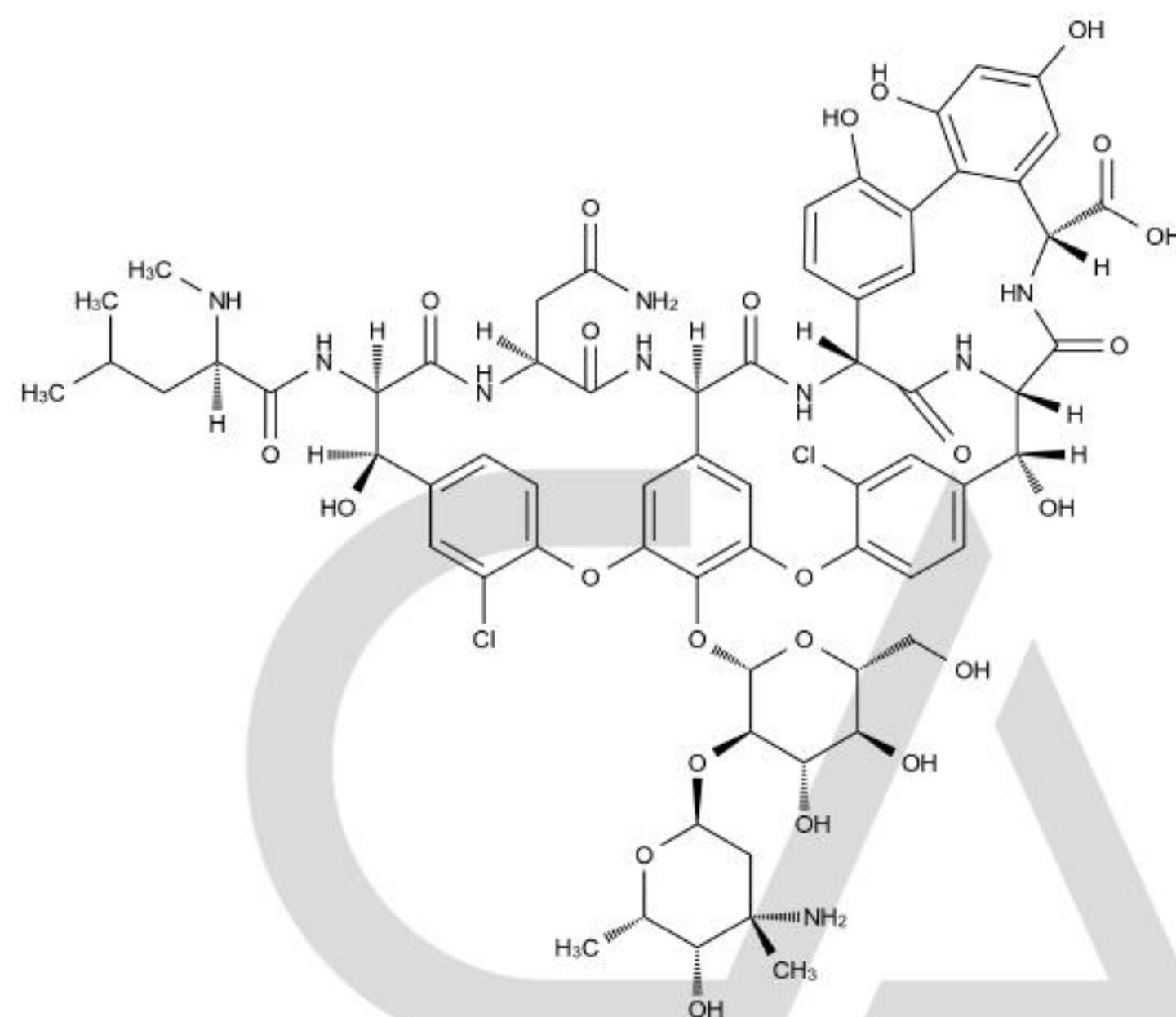


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                                                |                            |                                           |
|---------------------------|--------------------------------------------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Vancomycin EP Impurity J                                                       | <b>Catalogue Number:</b>   | C4X-177511                                |
| <b>Synonyms:</b>          | N/A                                                                            | <b>Lot Number:</b>         | 0224-RG-0104                              |
| <b>CAS Number:</b>        | 2416251-24-4                                                                   | <b>Expiry Date:</b>        | Aug 18, 2029                              |
| <b>Molecular Formula:</b> | C <sub>66</sub> H <sub>75</sub> Cl <sub>2</sub> N <sub>9</sub> O <sub>24</sub> | <b>Storage:</b>            | -20°C±5°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 1449.25                                                                        | <b>Shipping Condition:</b> | Shipping with Ice Packs                   |

### Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&IR&HNMR      | Confirmed   |
| Purity         | HPLC              | 98.080%     |
| Loss on Drying | TGA               | 2.3303%     |
| Assay          |                   | 95.8%       |

### 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:

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Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: Jul 09, 2026

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