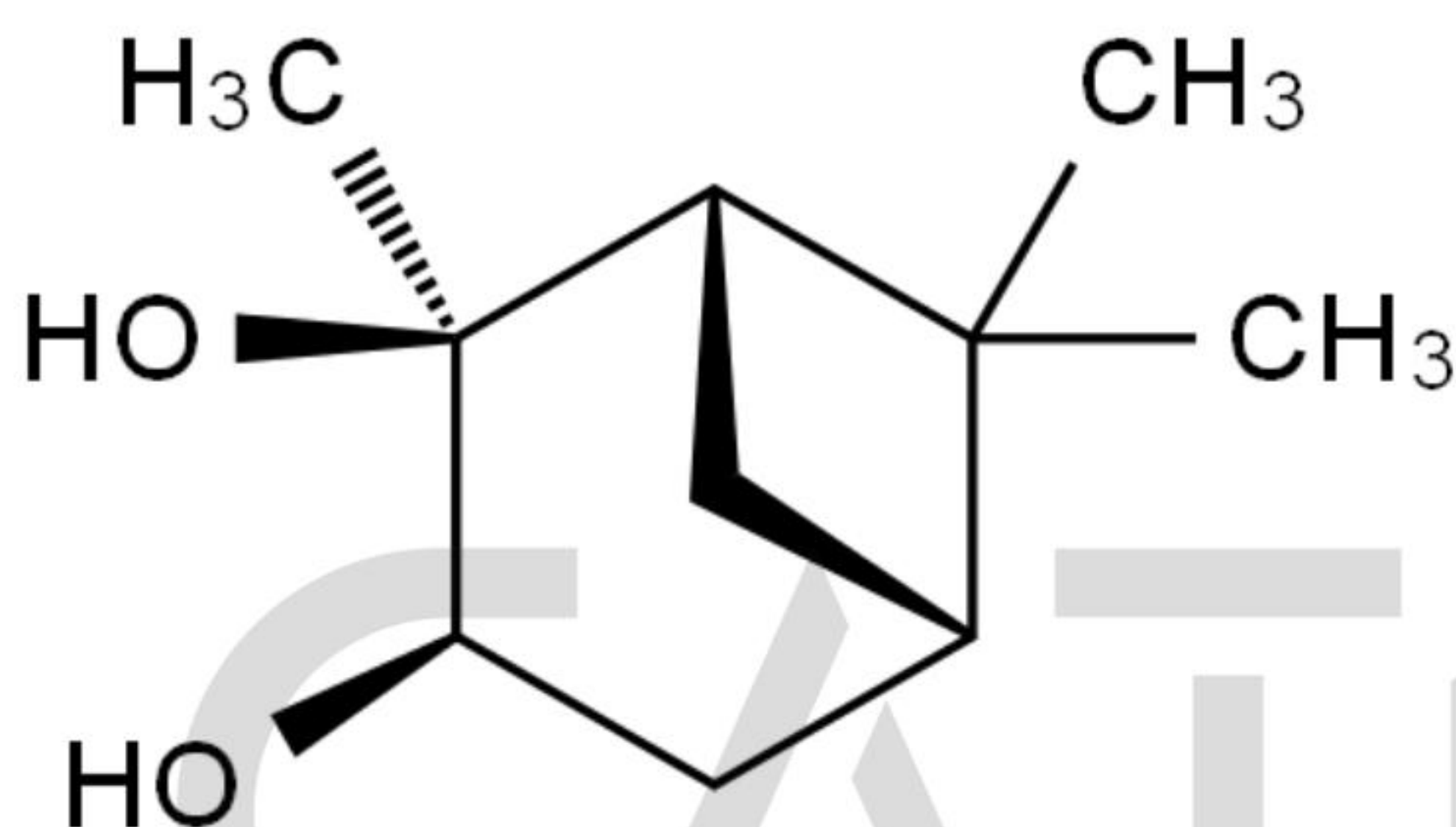


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                |                   |                                           |
|--------------------|------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Bortezomib Impurity 21                         | Catalogue Number: | C4X-107221                                |
| Synonyms:          | N/A                                            | Lot Number:       | 0226-RG-0069                              |
| CAS Number:        | 18680-27-8                                     | Expiry Date:      | Mar 04, 2028                              |
| Molecular Formula: | C <sub>10</sub> H <sub>18</sub> O <sub>2</sub> | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 170.25                                         |                   |                                           |

Chemical Structure:



| Test Items     | Method            | Results         |
|----------------|-------------------|-----------------|
| Appearance     | Visual inspection | Off-White Solid |
| Identification | GCMS&IR&UV&HNMR   | Confirmed       |
| Purity         | GC                | 100.0%          |
| Assay          | qNMR              | 99.9%           |

## Comment:

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

## Signature:

Prepared by:

*Nice*

Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: Mar 05, 2025

Date: Mar 06, 2025

Date: Mar 06, 2025

