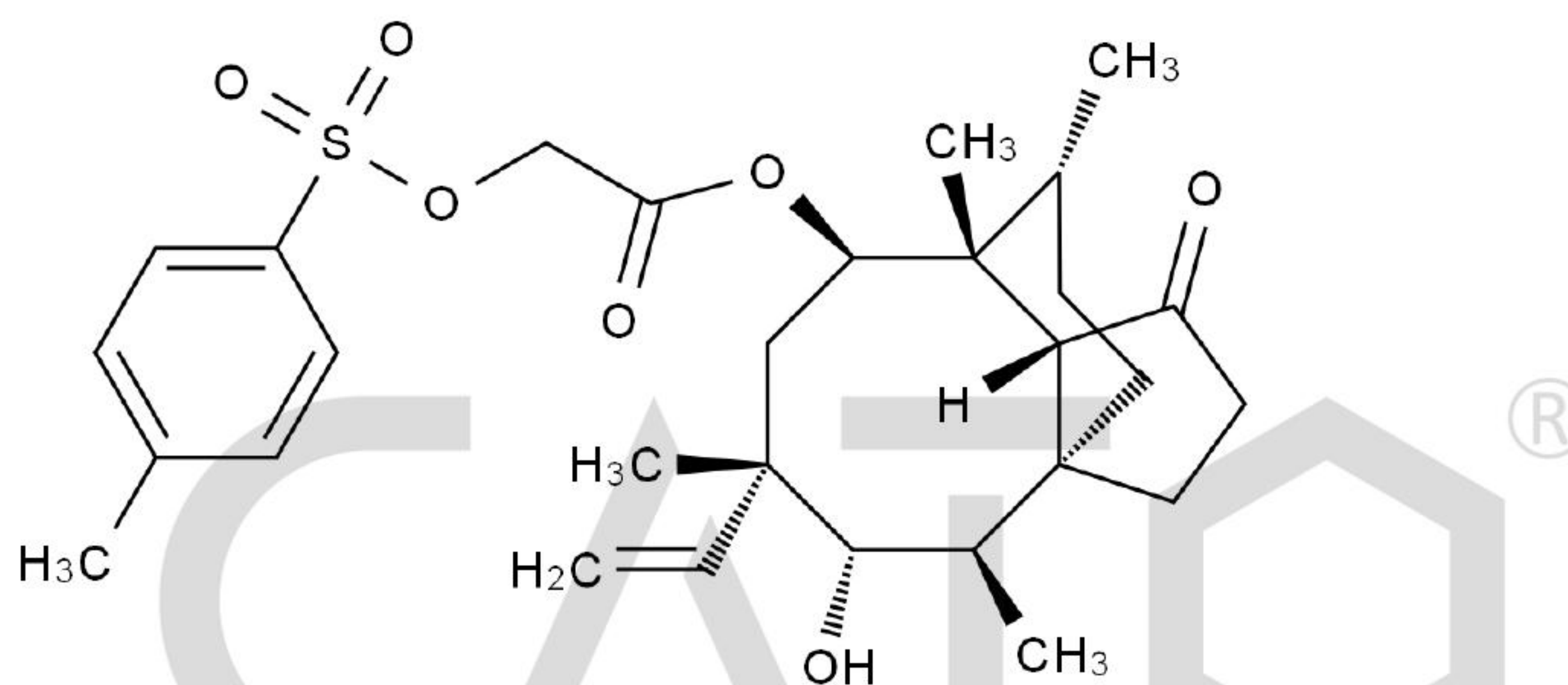


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                  |                          |                                           |
|---------------------------|--------------------------------------------------|--------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Tiamulin EP Impurity L                           | <b>Catalogue Number:</b> | C4X-22101                                 |
| <b>Synonyms:</b>          | N/A                                              | <b>Lot Number:</b>       | 0729-RF-0062                              |
| <b>CAS Number:</b>        | 31716-01-5                                       | <b>Expiry Date:</b>      | Jun 17, 2028                              |
| <b>Molecular Formula:</b> | C <sub>29</sub> H <sub>40</sub> O <sub>7</sub> S | <b>Storage:</b>          | -20°C±5°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 532.69                                           |                          |                                           |

Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&HNMR         | Confirmed   |
| Purity         | HPLC              | 99.631%     |
| Loss On Drying | TGA               | 0.0109%     |
| Assay          |                   | 99.6%       |

## Comment:

The calculation of the 100% 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:

*Nice*

Reviewed by:

*Koi*

Approved by General Manager:

*David*

Date: Jun 18, 2025

Date: Jun 18, 2025

Date: Jun 18, 2025

