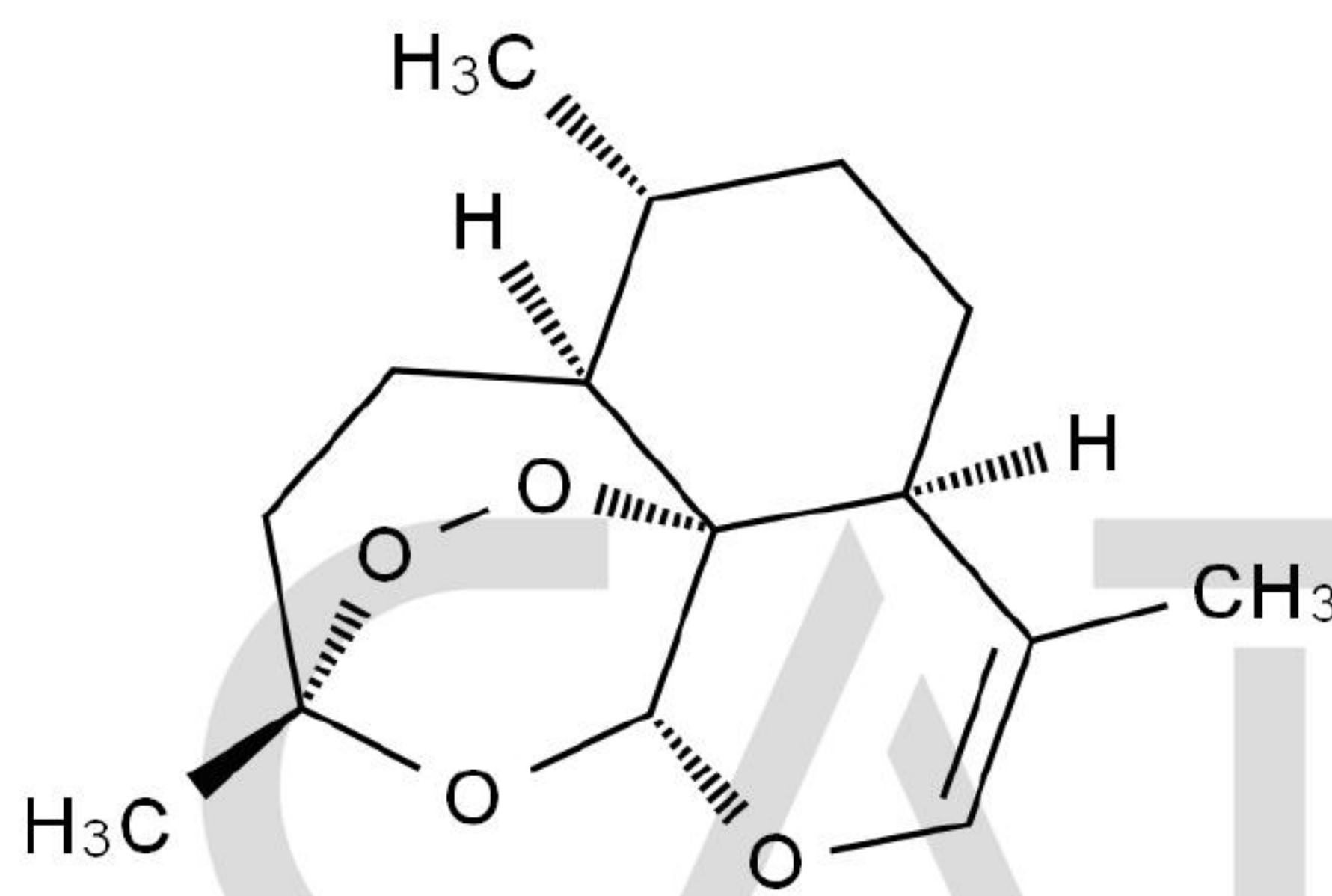


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                |                   |                                           |
|--------------------|------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Artesunate Impurity 3                          | Catalogue Number: | C4X-15473                                 |
| Synonyms:          | N/A                                            | Lot Number:       | 0428-RG-0038                              |
| CAS Number:        | 82596-30-3                                     | Expiry Date:      | May 05, 2028                              |
| Molecular Formula: | C <sub>15</sub> H <sub>22</sub> O <sub>4</sub> | Storage:          | -20°C±5°C Protected from light and Sealed |
| Molecular Weight:  | 266.33                                         |                   |                                           |

Chemical Structure:



| Test Items     | Method            | Results            |
|----------------|-------------------|--------------------|
| Appearance     | Visual inspection | Light Yellow Solid |
| Identification | LCMS&HNMR         | Confirmed          |
| Purity         | HPLC              | 97.355%            |
| Loss On Drying | TGA               | 0.4181%            |
| Assay          |                   | 96.9%              |

## 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: May 06, 2025

Date: May 06, 2025

Date: May 06, 2025

