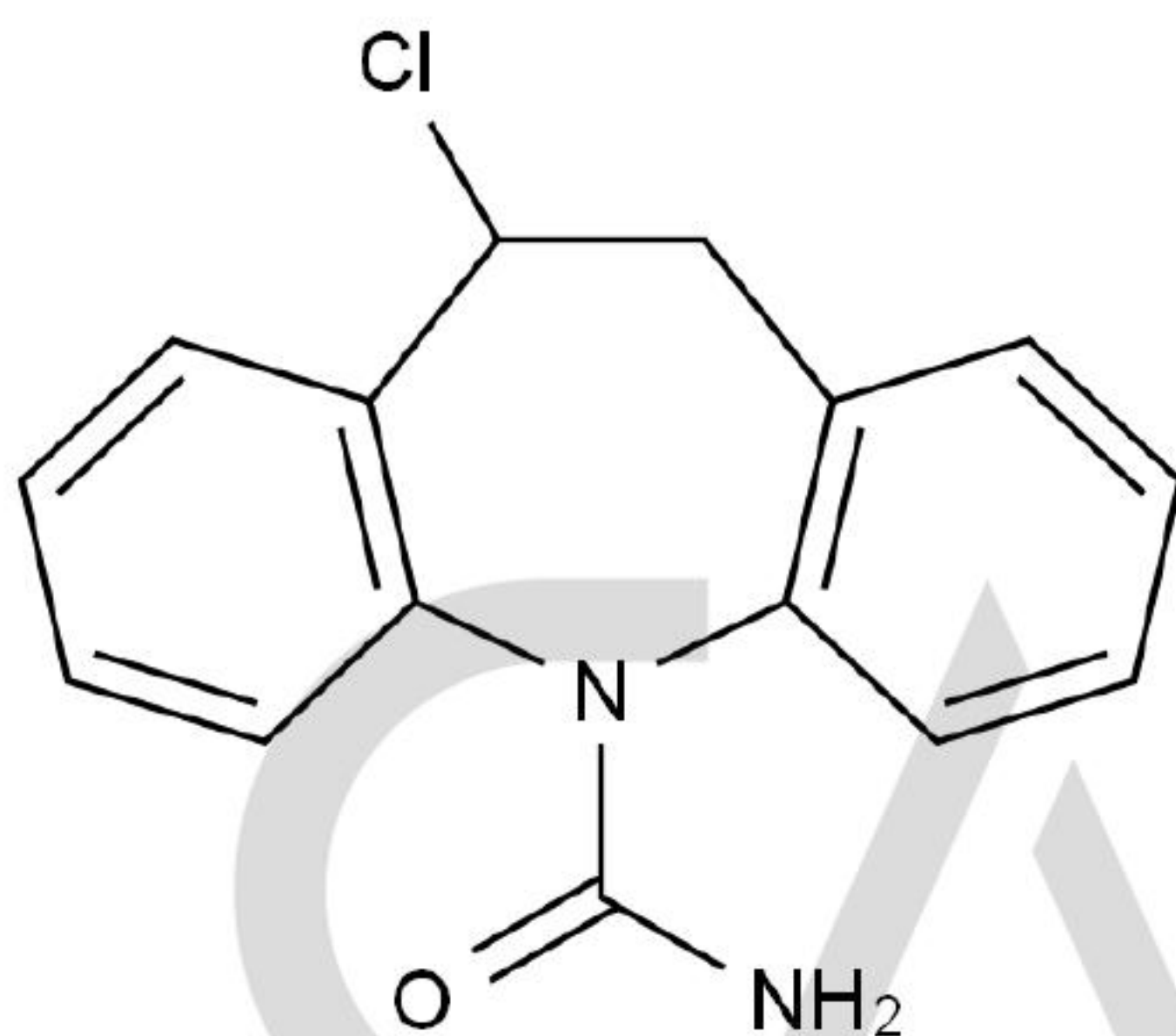


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                    |                   |                                                                                     |
|--------------------|----------------------------------------------------|-------------------|-------------------------------------------------------------------------------------|
| Product Name:      | Bedaquiline Impurity 9                             | Catalogue Number: | C4X-11819                                                                           |
| Synonyms:          | N/A                                                | Lot Number:       | 0104-RF-0025                                                                        |
| CAS Number:        | 791633-38-0                                        | Expiry Date:      | Jan 04, 2027                                                                        |
| Molecular Formula: | C <sub>15</sub> H <sub>13</sub> ClN <sub>2</sub> O | Storage:          | 2°C ~ 8°C Protected from light and Sealed                                           |
| Molecular Weight:  | 272.73                                             | Warning:          |  |

Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&HNMR         | Confirmed   |
| Purity         | HPLC              | 99.185%     |
| Loss On Drying | TGA               | 0.3093%     |
| Assay          |                   | 98.9%       |

## 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:

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Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: Jan 05, 2024

Date: Jan 05, 2024

Date: Jan 05, 2024

