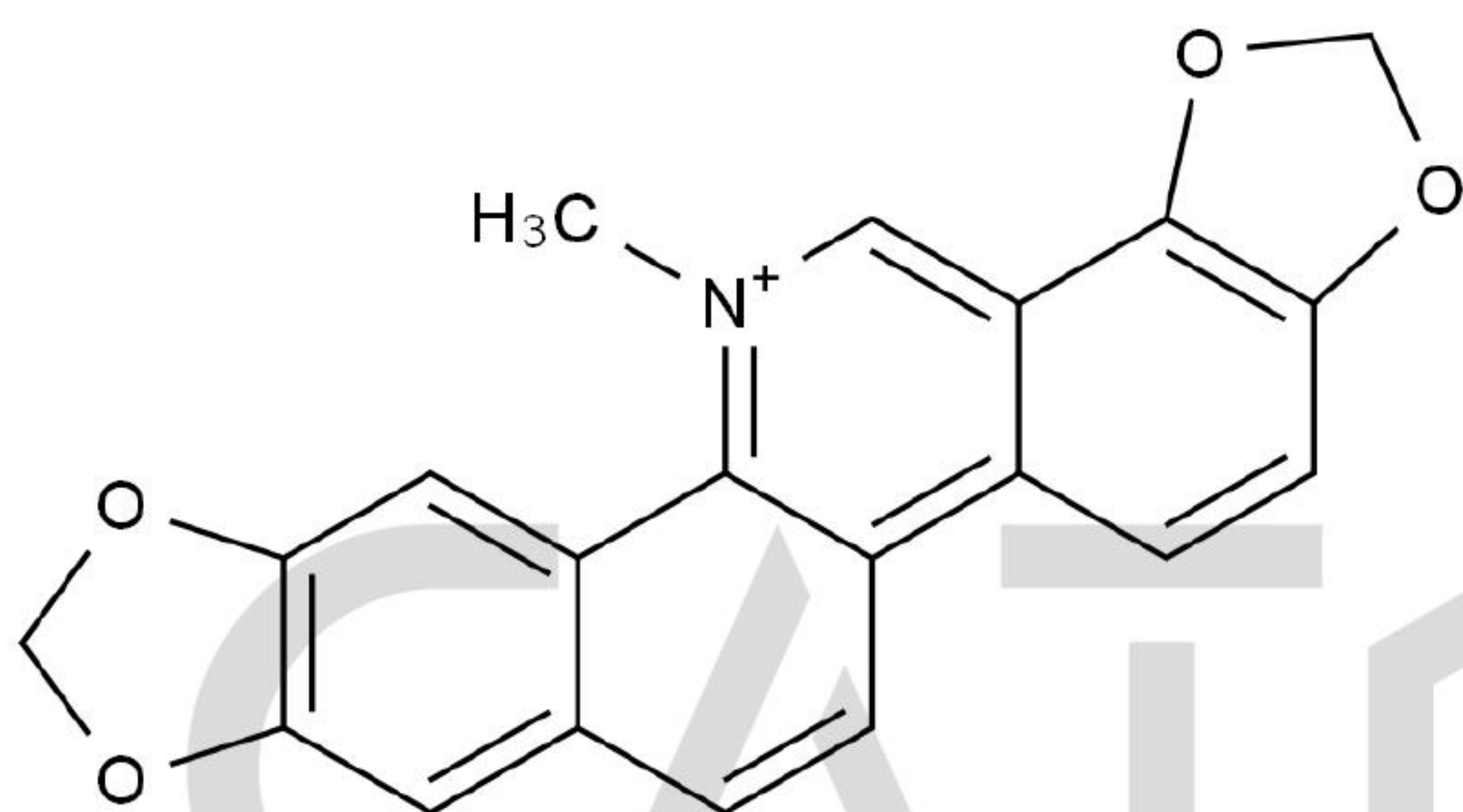


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                 |                   |                                           |
|--------------------|-------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Sanguinarine                                    | Catalogue Number: | CCPE901471                                |
| Synonyms:          | N/A                                             | Lot Number:       | 0204-RF-0069                              |
| CAS Number:        | 2447-54-3                                       | Expiry Date:      | Jan 25, 2027                              |
| Molecular Formula: | C <sub>20</sub> H <sub>14</sub> NO <sub>4</sub> | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 332.33                                          |                   |                                           |

Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | HNMR              | Confirmed   |
| Purity         | HPLC              | 99.4%       |
| Uncertainty    |                   | ±2.0%       |

## Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

## Signature:

Prepared by:

*Lisa*

Reviewed by:

*Hinlam*

Aporoved by General Manager:

*David*

Date: Feb 21, 2024

Date: Feb 21, 2024

Date: Feb 21, 2024

