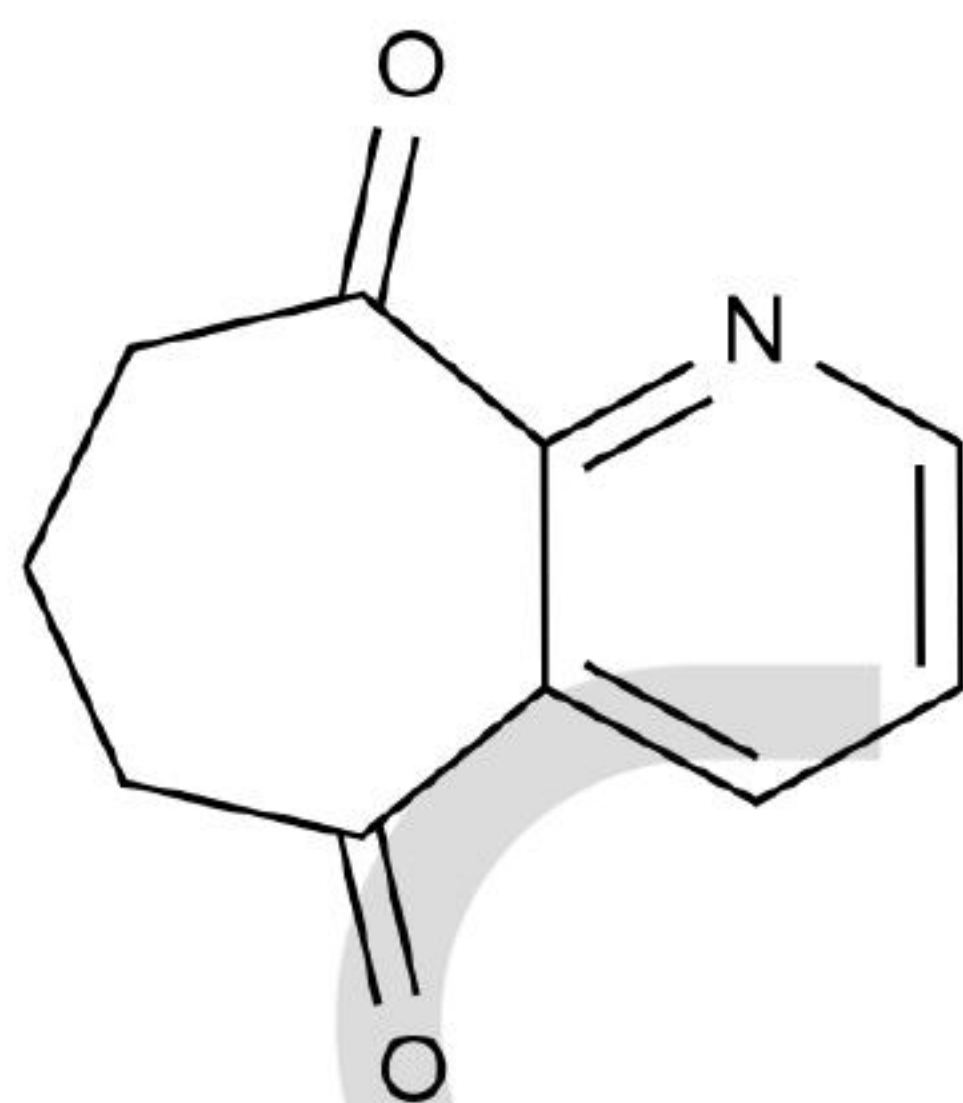


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                    |                          |                                                                                     |
|---------------------------|----------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|
| <b>Product Name:</b>      | 7,8-Dihydro-5H-cyclohepta[b]pyridine-5,9(6H)-dione | <b>Catalogue Number:</b> | C1777635                                                                            |
| <b>Synonyms:</b>          | N/A                                                | <b>Lot Number:</b>       | 0402-RG-0085                                                                        |
| <b>CAS Number:</b>        | 39713-40-1                                         | <b>Expiry Date:</b>      | Apr 09, 2028                                                                        |
| <b>Molecular Formula:</b> | C <sub>10</sub> H <sub>9</sub> NO <sub>2</sub>     | <b>Storage:</b>          | 2°C ~ 8°C Protected from light and Sealed                                           |
| <b>Molecular Weight:</b>  | 175.18                                             | <b>Warning:</b>          |  |

Chemical Structure:



| Test Items     | Method            | Results            |
|----------------|-------------------|--------------------|
| Appearance     | Visual inspection | Light Yellow Solid |
| Identification | LCMS&HNMR         | Confirmed          |
| Purity         | HPLC              | 99.887%            |
| Loss On Drying | TGA               | 0.4538%            |
| Assay          |                   | 99.4%              |

## 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: Apr 10, 2025

Date: Apr 10, 2025

Date: Apr 10, 2025

