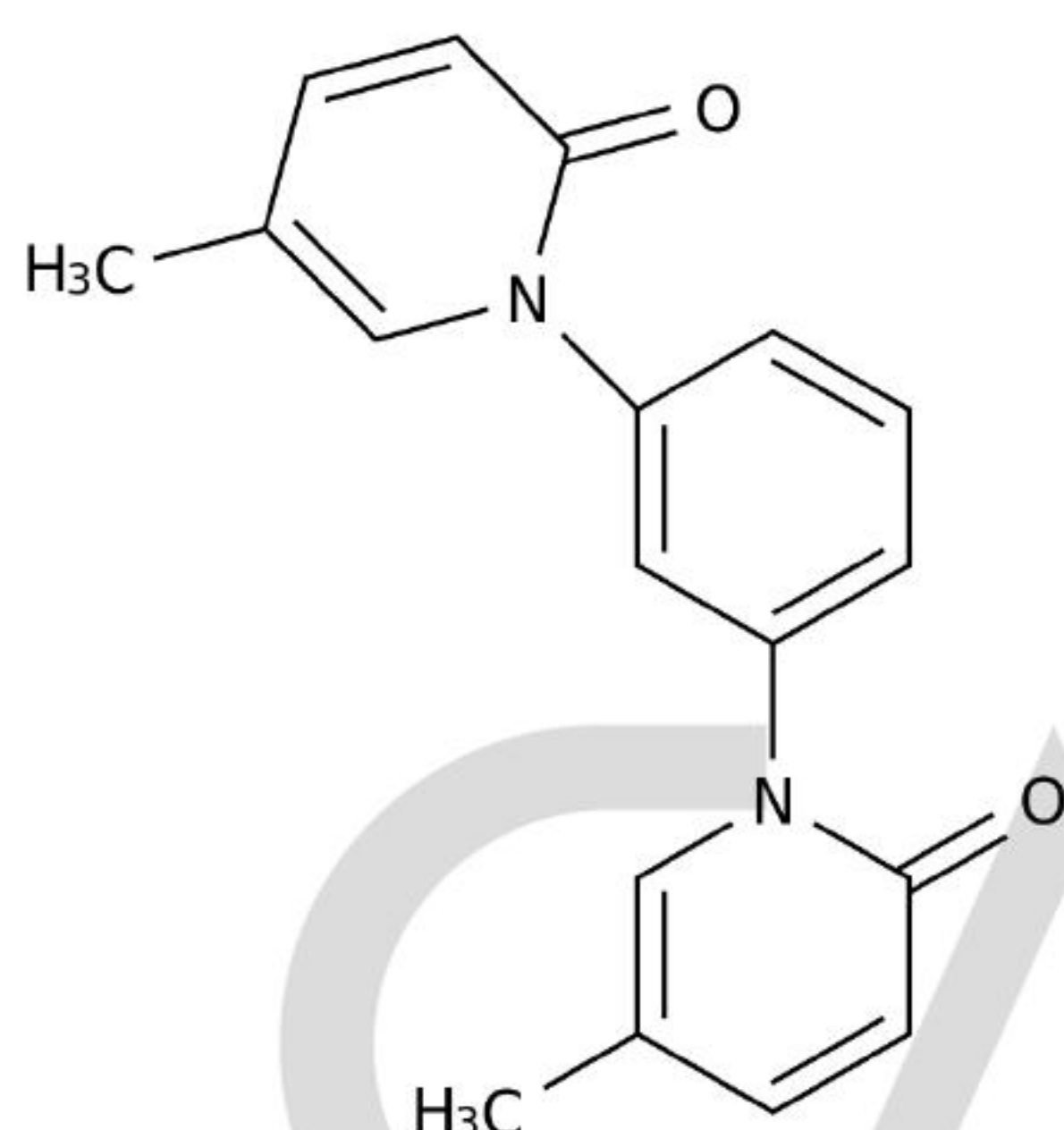


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                               |                          |                                           |
|---------------------------|---------------------------------------------------------------|--------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Pirfenidone Impurity 9                                        | <b>Catalogue Number:</b> | C4X-22299                                 |
| <b>Synonyms:</b>          | N/A                                                           | <b>Lot Number:</b>       | 0711-RD-0081                              |
| <b>CAS Number:</b>        | N/A                                                           | <b>Expiry Date:</b>      | Apr 09, 2028                              |
| <b>Molecular Formula:</b> | C <sub>18</sub> H <sub>16</sub> N <sub>2</sub> O <sub>2</sub> | <b>Storage:</b>          | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 292.33                                                        |                          |                                           |

### Chemical Structure:



| Test Items     | Method            | Results    |
|----------------|-------------------|------------|
| Appearance     | Visual inspection | Grey Solid |
| Identification | LCMS&HNMR         | Confirmed  |
| Purity         | HPLC              | 97.552%    |
| Loss On Drying | TGA               | 4.7545%    |
| Assay          |                   | 92.9%      |

### 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:

*Koi*

Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: Apr 10, 2025

Date: Apr 10, 2025

Date: Apr 10, 2025

