

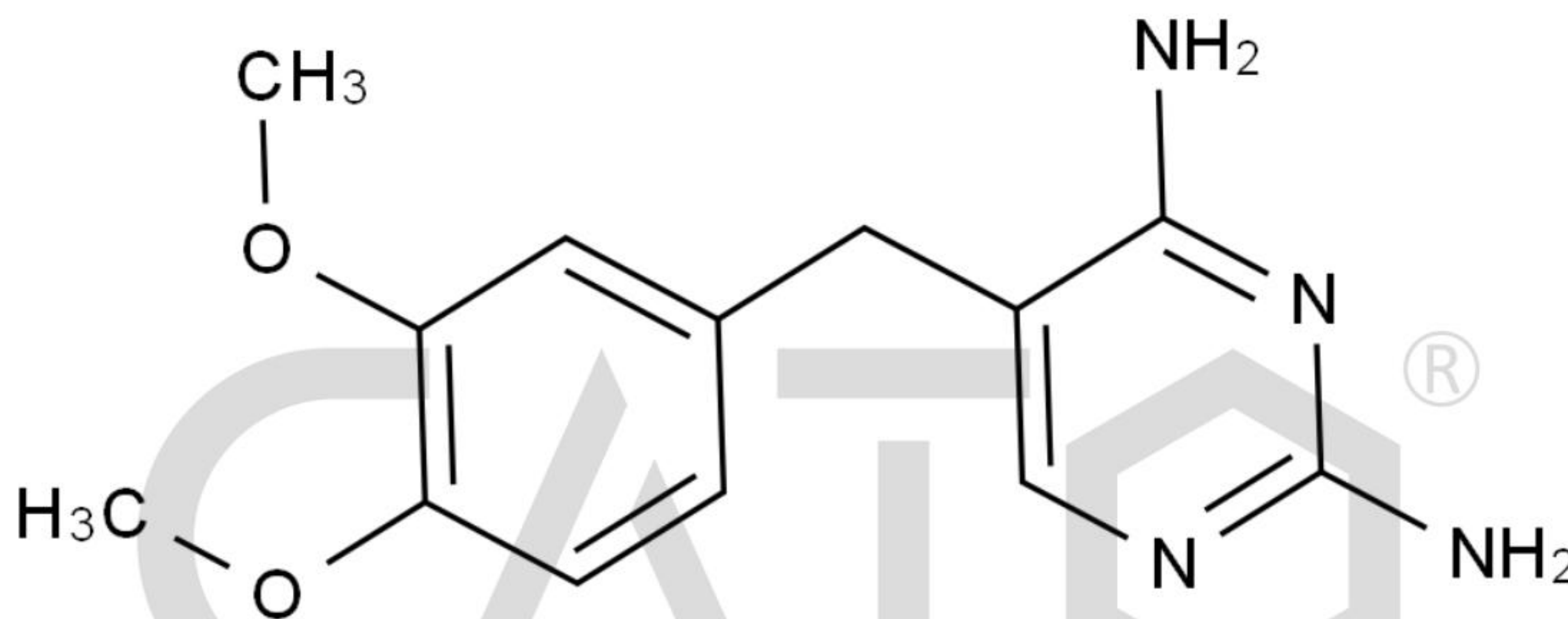
# Certificate of Analysis

## Reference Material & Standard

|                    |                                                               |                   |                                           |
|--------------------|---------------------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Diaveridine                                                   | Catalogue Number: | CCAD300180                                |
| Synonyms:          | N/A                                                           | Lot Number:       | F5-12-2                                   |
| CAS Number:        | 5355-16-8                                                     | Expiry Date:      | Sep 05, 2027                              |
| Molecular Formula: | C <sub>13</sub> H <sub>16</sub> N <sub>4</sub> O <sub>2</sub> | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 260.29                                                        | Warning:          |                                           |



Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&HNMR         | Confirmed   |
| Purity         | HPLC              | 97.7%       |
| Assay          | qNMR              | 96.4%       |
| Uncertainty    |                   | ±2.0%       |

## Comment:

1. Assay was determined by quantitative <sup>1</sup>H-NMR.
2. 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:

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Approved by General Manager:

*David*

Date: Sep 06, 2024

Date: Sep 09, 2024

Date: Sep 09, 2024

