

# Certificate of Analysis

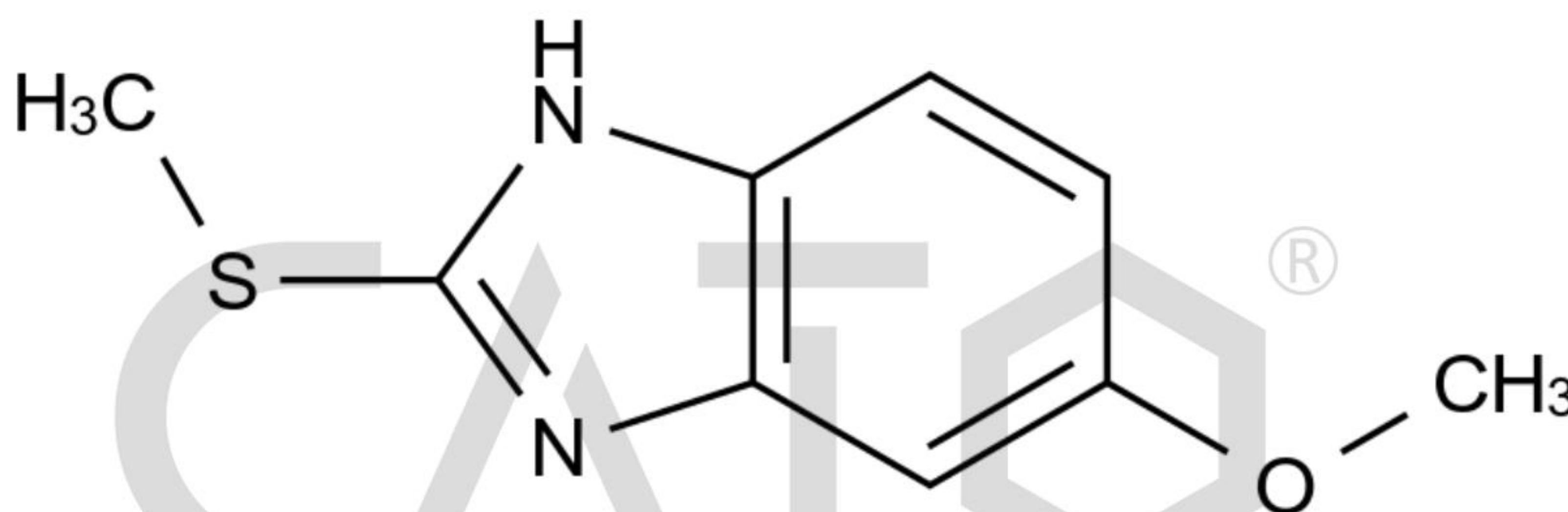
## Reference Material & Standard

|                    |                                                  |                     |                                           |
|--------------------|--------------------------------------------------|---------------------|-------------------------------------------|
| Product Name:      | Esomeprazole impurity 03                         | Catalogue Number:   | C1757063                                  |
| Synonyms:          | N/A                                              | Lot Number:         | 0929-RF-0090                              |
| CAS Number:        | 91168-31-9                                       | Expiry Date:        | Jun 17, 2030                              |
| Molecular Formula: | C <sub>9</sub> H <sub>10</sub> N <sub>2</sub> OS | Storage:            | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 194.25                                           | Shipping Condition: | Shipping at Room Temperature              |

Warning:



Chemical Structure:



| Test Items        | Method            | Results             |
|-------------------|-------------------|---------------------|
| Appearance        | Visual inspection | Pale Yellow Solid   |
| Identification    | LCMS&HNMR         | Confirmed           |
| Purity            | HPLC              | 98.430%             |
| Water Content     | Karl Fischer      | 0.32%               |
| Residual Solvents | NMR               | Not detected in NMR |
| Assay             |                   | 98.1%               |

## Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content - Residual Solvents) \* Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Jun 26, 2026

Date: Jun 29, 2026

Date: Jun 29, 2026



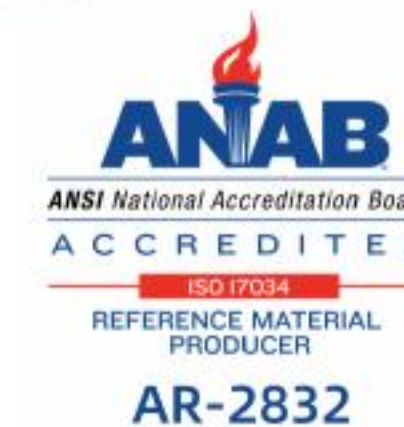
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