

# Certificate of Analysis

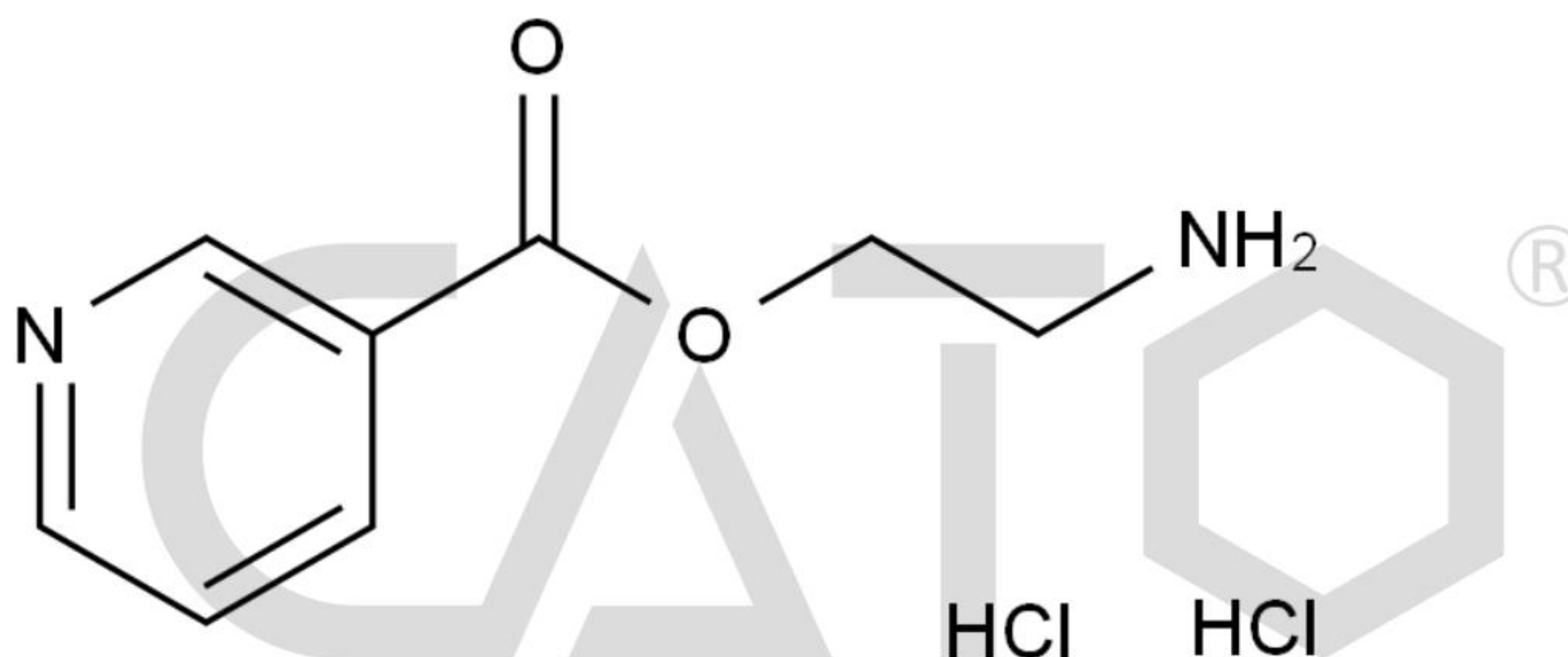
## Reference Material & Standard

|                           |                                                                    |                            |                                           |
|---------------------------|--------------------------------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Nicorandil Impurity 3 DiHCl(Nicorandil EP Impurity C DiHCl)        | <b>Catalogue Number:</b>   | CP150593                                  |
| <b>Synonyms:</b>          | N/A                                                                | <b>Lot Number:</b>         | 0823-RH-0043                              |
| <b>CAS Number:</b>        | 87330-70-9                                                         | <b>Expiry Date:</b>        | Feb 10, 2029                              |
| <b>Molecular Formula:</b> | C <sub>8</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub> 2*HCl | <b>Storage:</b>            | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 166.18 2*36.46                                                     | <b>Shipping Condition:</b> | Shipping at Room Temperature              |

**Warning:**



**Chemical Structure:**



| Test Items        | Method               | Results        |
|-------------------|----------------------|----------------|
| Appearance        | Visual inspection    | White Solid    |
| Identification    | LCMS&IR&UV&CNMR&HNMR | Confirmed      |
| Purity            | HPLC                 | 100.000%       |
| Water Content     | Karl Fischer         | 0.95%          |
| Residual Solvents | NMR                  | 0.06% methanol |
| Assay             |                      | 99.0%          |

## 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: Aug 24, 2026

Date: Aug 25, 2026

Date: Aug 25, 2026



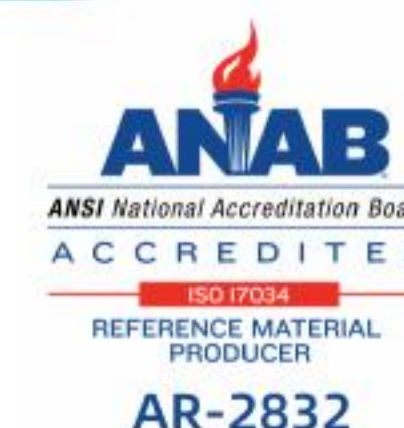
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