

# Certificate of Analysis

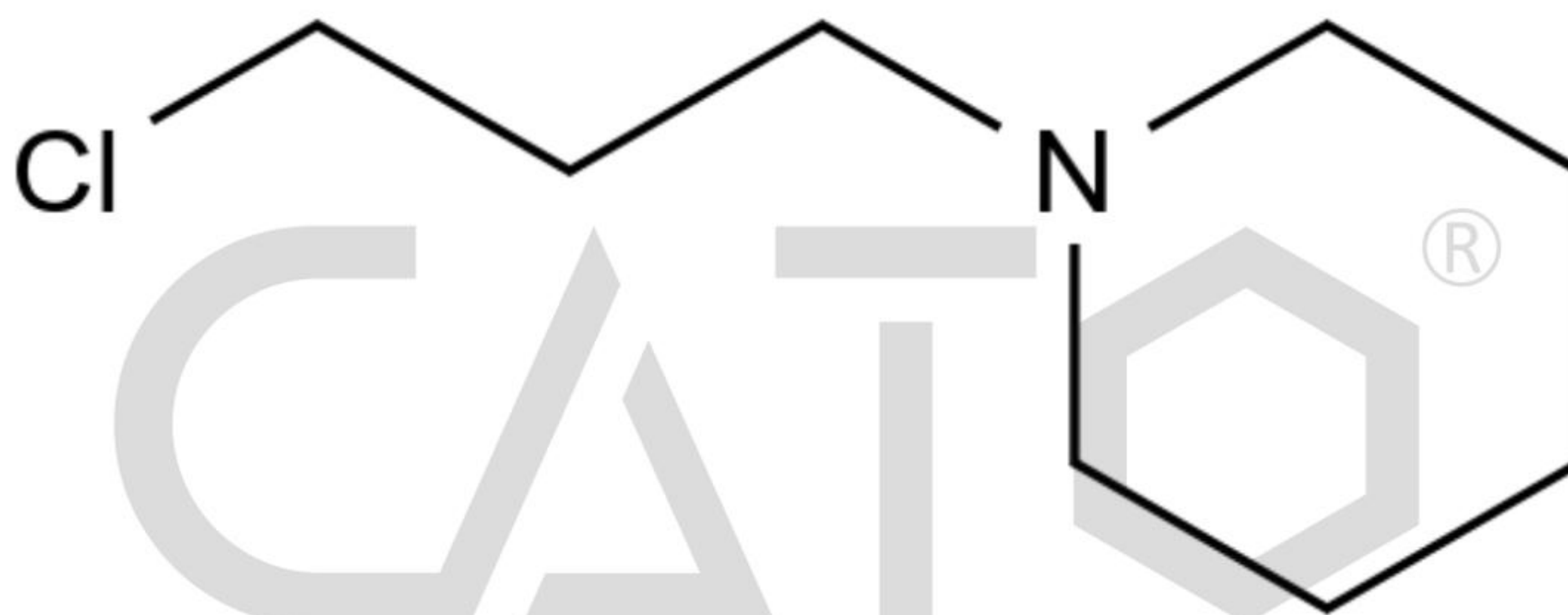
## Reference Material & Standard

|                    |                                    |                     |                                           |
|--------------------|------------------------------------|---------------------|-------------------------------------------|
| Product Name:      | 1-(3-Chloropropyl)piperidine       | Catalogue Number:   | C1310803                                  |
| Synonyms:          | N/A                                | Lot Number:         | 0407-RH-0115                              |
| CAS Number:        | 1458-63-5                          | Expiry Date:        | Apr 09, 2030                              |
| Molecular Formula: | C <sub>8</sub> H <sub>16</sub> ClN | Storage:            | -20°C±5°C Protected from light and Sealed |
| Molecular Weight:  | 161.67                             | Shipping Condition: | Shipping with Ice Packs                   |

Warning:



Chemical Structure:



| Test Items     | Method            | Results           |
|----------------|-------------------|-------------------|
| Appearance     | Visual inspection | Colourless Liquid |
| Identification | GCMS&HNMR         | Confirmed         |
| Purity         | GC                | 99.852%           |
| Water Content  | Karl Fischer      | 0.3277%           |
| Assay          |                   | 99.5%             |

## Comment:

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

Assay (%) = (100% - Water Content) \* Purity GC (%) / 100%

Water Content is considered as absolute effect, GC purity is considered as relative effect.

Signature:

Prepared by:

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Reviewed by:

*Koi*

Approved by General Manager:

*David*

Date: Apr 10, 2026

Date: Apr 13, 2026

Date: Apr 13, 2026



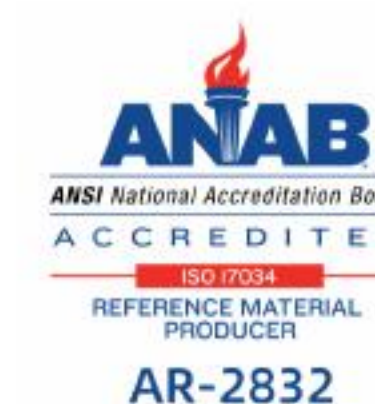
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