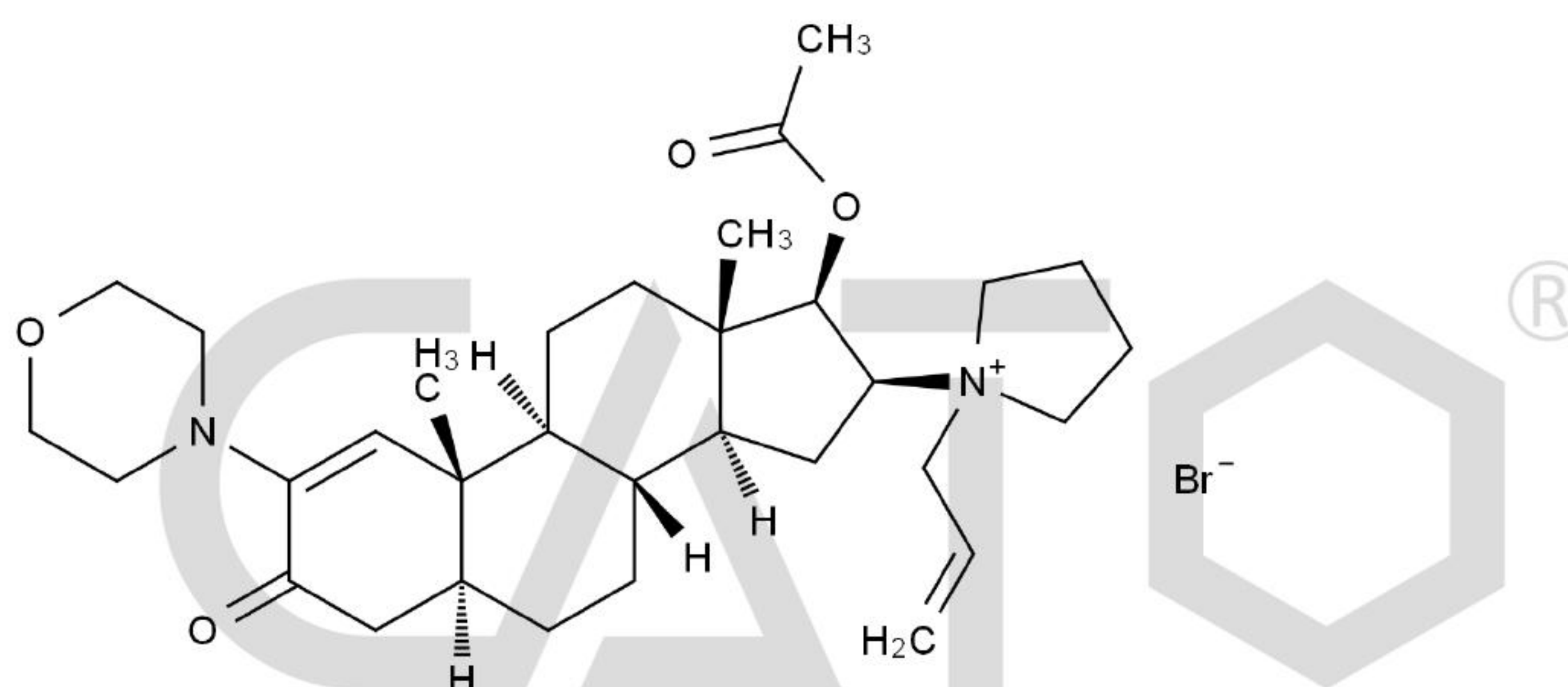


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                                    |                            |                                             |
|---------------------------|--------------------------------------------------------------------|----------------------------|---------------------------------------------|
| <b>Product Name:</b>      | Rocuronium Bromide EP Impurity H                                   | <b>Catalogue Number:</b>   | C4X-12428                                   |
| <b>Synonyms:</b>          | Rocuronium Related Compound H;1,2-Dehydro-3-Oxo Rocuronium Bromide | <b>Lot Number:</b>         | 0112-RH-0130                                |
| <b>CAS Number:</b>        | 1190105-67-9                                                       | <b>Expiry Date:</b>        | Sep 12, 2029                                |
| <b>Molecular Formula:</b> | C <sub>32</sub> H <sub>49</sub> N <sub>2</sub> O <sub>4</sub> Br   | <b>Storage:</b>            | -20°C ± 5°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 525.74 79.90                                                       | <b>Shipping Condition:</b> | Shipping with Ice Packs                     |

## Chemical Structure:



| Test Items        | Method            | Results             |
|-------------------|-------------------|---------------------|
| Appearance        | Visual inspection | Off-White Solid     |
| Identification    | LCMS&UV&HNMR      | Confirmed           |
| Purity            | HPLC              | 98.347%             |
| Water Content     | Karl Fischer      | 2.44%               |
| Residual Solvents | NMR               | Not detected in NMR |
| Assay             |                   | 95.9%               |

## 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: Jan 14, 2026

Date: Jan 14, 2026

Date: Jan 14, 2026



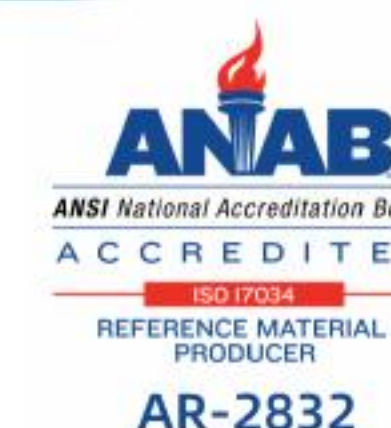
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