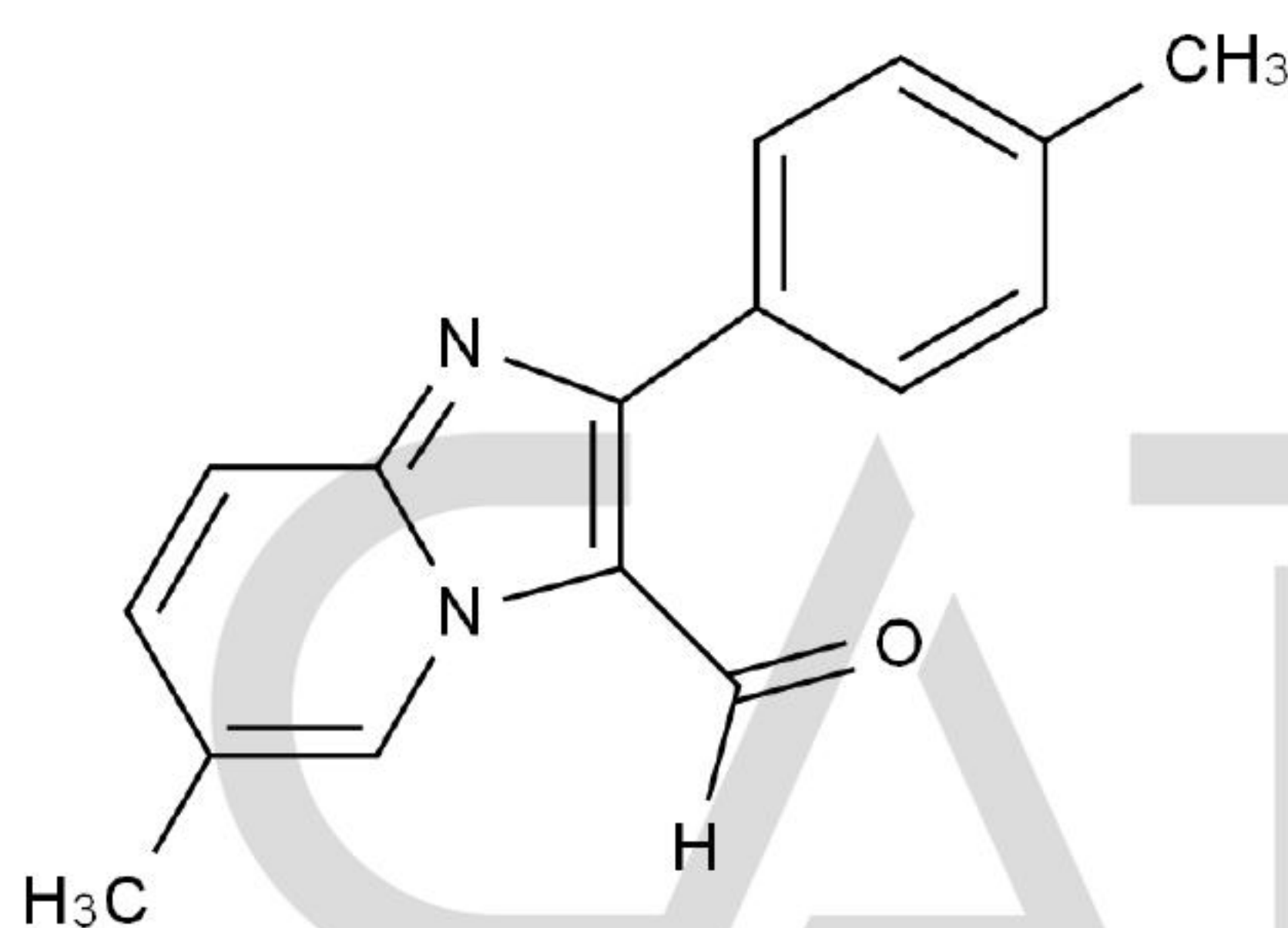


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                  |                     |                                           |
|--------------------|--------------------------------------------------|---------------------|-------------------------------------------|
| Product Name:      | Zolpidem Carbaldehyde                            | Catalogue Number:   | C4X-148611                                |
| Synonyms:          | N/A                                              | Lot Number:         | 1211-RG-0011                              |
| CAS Number:        | 400777-11-9                                      | Expiry Date:        | Dec 11, 2029                              |
| Molecular Formula: | C <sub>16</sub> H <sub>14</sub> N <sub>2</sub> O | Storage:            | -20°C±5°C Protected from light and Sealed |
| Molecular Weight:  | 250.30                                           | Shipping Condition: | Shipping with Ice Packs                   |

Chemical Structure:



| Test Items     | Method            | Results         |
|----------------|-------------------|-----------------|
| Appearance     | Visual inspection | Off-White Solid |
| Identification | LCMS&HNMR         | Confirmed       |
| Purity         | HPLC              | 100.00%         |
| Loss On Drying | TGA               | 0.2283%         |
| Assay          |                   | 99.8%           |

## Comment:

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

$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

## Signature:

Prepared by:

*Koi*

Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: Dec 18, 2025

Date: Dec 18, 2025

Date: Dec 18, 2025



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: [supports@cato-chem.com](mailto:supports@cato-chem.com)

Web: <https://www.cato-chem.com>

