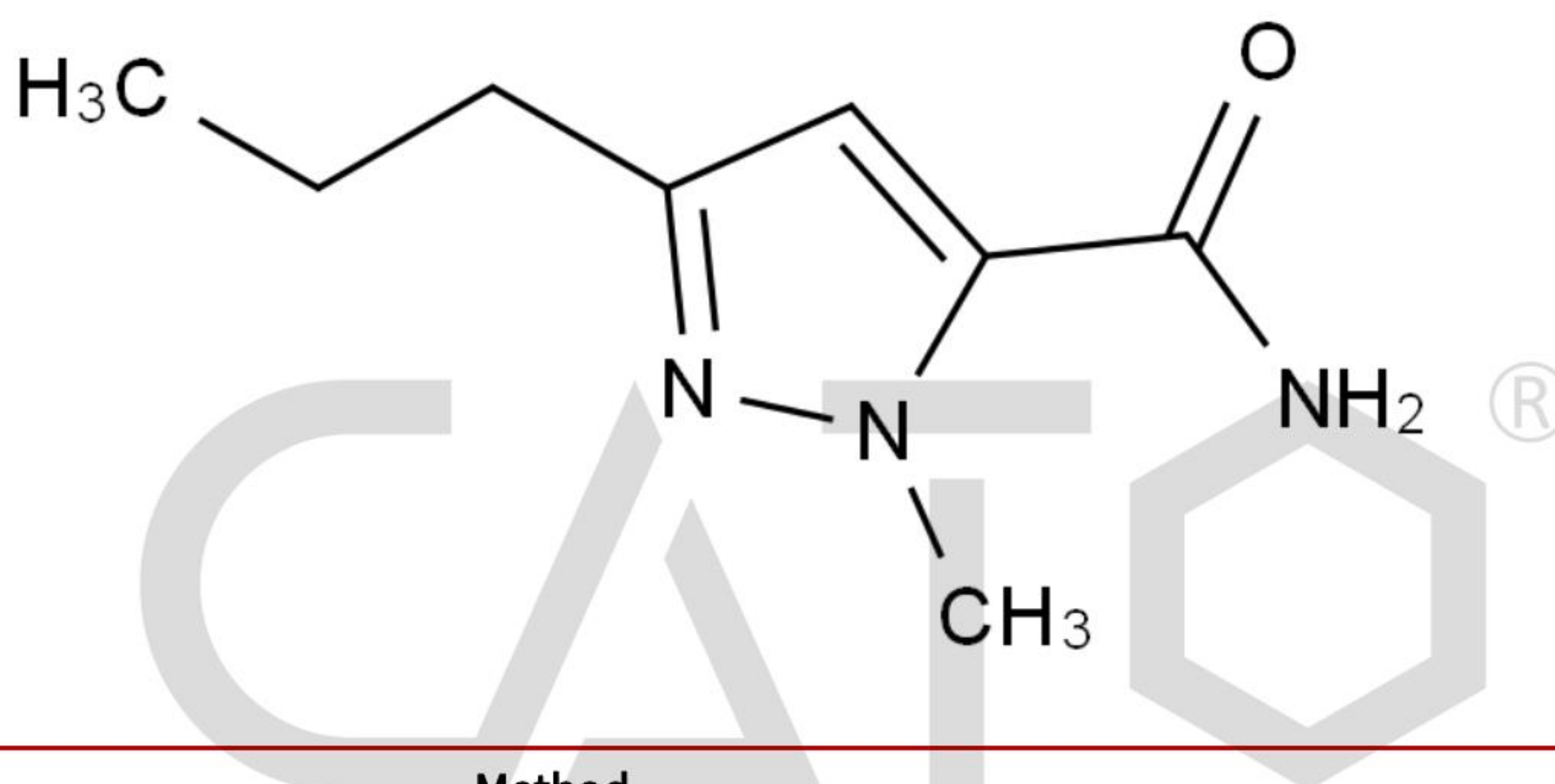


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                 |                   |                                           |
|--------------------|-------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Sildenafil Impurity 40                          | Catalogue Number: | C4X-112840                                |
| Synonyms:          | N/A                                             | Lot Number:       | 0121-RG-0012                              |
| CAS Number:        | 1185292-79-8                                    | Expiry Date:      | Jan 22, 2028                              |
| Molecular Formula: | C <sub>8</sub> H <sub>13</sub> N <sub>3</sub> O | Storage:          | -20°C±5°C Protected from light and Sealed |
| Molecular Weight:  | 167.21                                          |                   |                                           |

Chemical Structure:



| Test Items     | Method            | Results            |
|----------------|-------------------|--------------------|
| Appearance     | Visual inspection | Light Yellow Solid |
| Identification | GCMS&CNMR&HNMR    | Confirmed          |
| Purity         | GC                | 99.266%            |
| Loss On Drying | TGA               | 0.1925%            |
| Assay          |                   | 99.1%              |

## Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) \* Purity GC (%) / 100%

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

## Signature:

Prepared by:

*Nice*

Reviewed by:

*Koi*

Approved by General Manager:

*David*

Date: Jan 23, 2025

Date: Jan 24, 2025

Date: Jan 24, 2025

