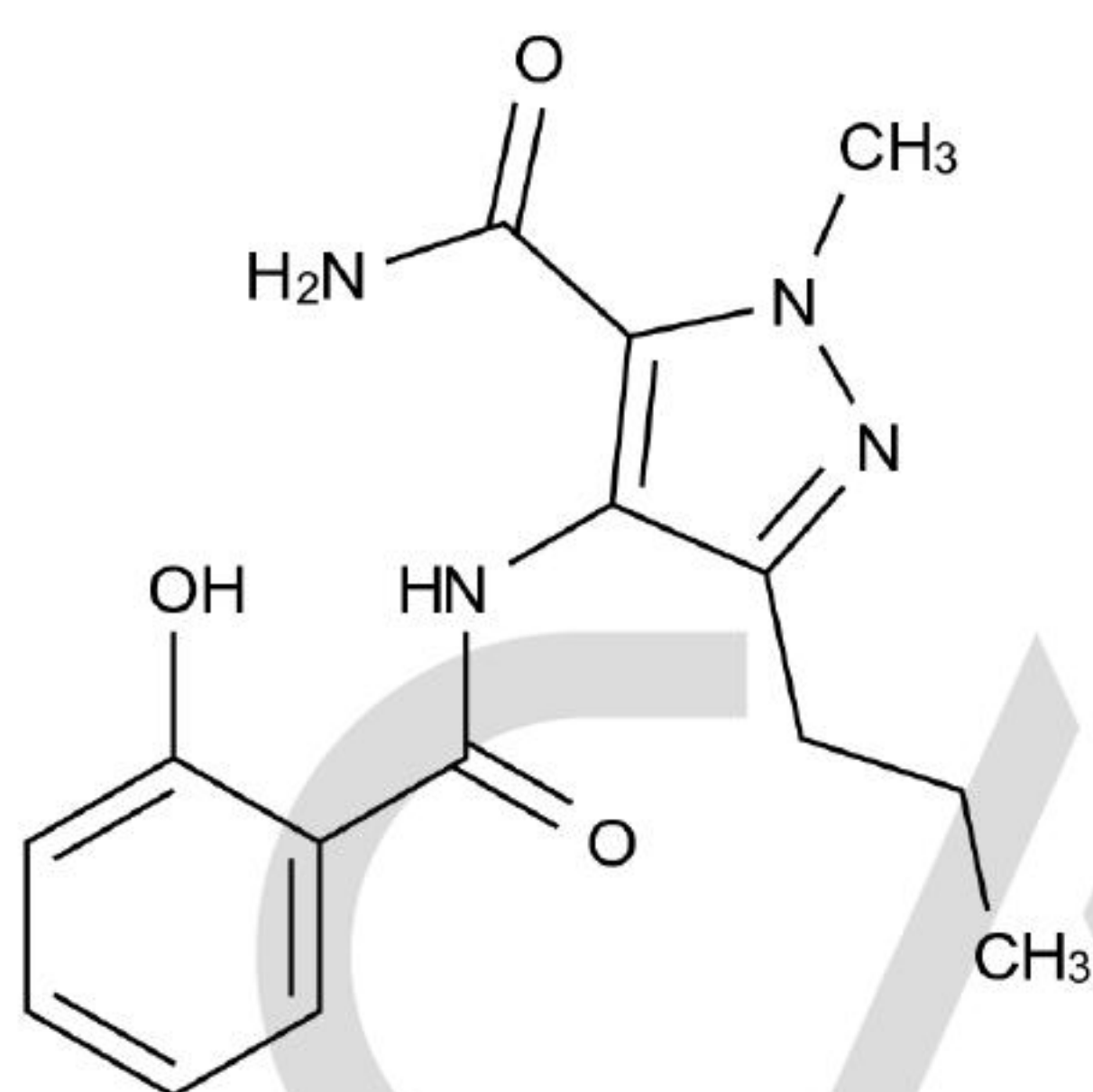


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                               |                   |                                           |
|--------------------|---------------------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Sildenafil Impurity 92                                        | Catalogue Number: | C4X-112892                                |
| Synonyms:          | N/A                                                           | Lot Number:       | 0123-RG-0048                              |
| CAS Number:        | N/A                                                           | Expiry Date:      | Jan 25, 2028                              |
| Molecular Formula: | C <sub>15</sub> H <sub>18</sub> N <sub>4</sub> O <sub>3</sub> | Storage:          | -20°C±5°C Protected from light and Sealed |
| Molecular Weight:  | 302.33                                                        |                   |                                           |

Chemical Structure:



| Test Items     | Method            | Results          |
|----------------|-------------------|------------------|
| Appearance     | Visual inspection | Light Pink Solid |
| Identification | LCMS&CNMR&HNMR    | Confirmed        |
| Purity         | HPLC              | 99.607%          |
| Loss On Drying | TGA               | 0.1579%          |
| Assay          |                   | 99.4%            |

## Comment:

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

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

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

## Signature:

Prepared by:

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Reviewed by:

*Koi*

Approved by General Manager:

*David*

Date: Jan 26, 2025

Date: Jan 26, 2025

Date: Jan 26, 2025

