

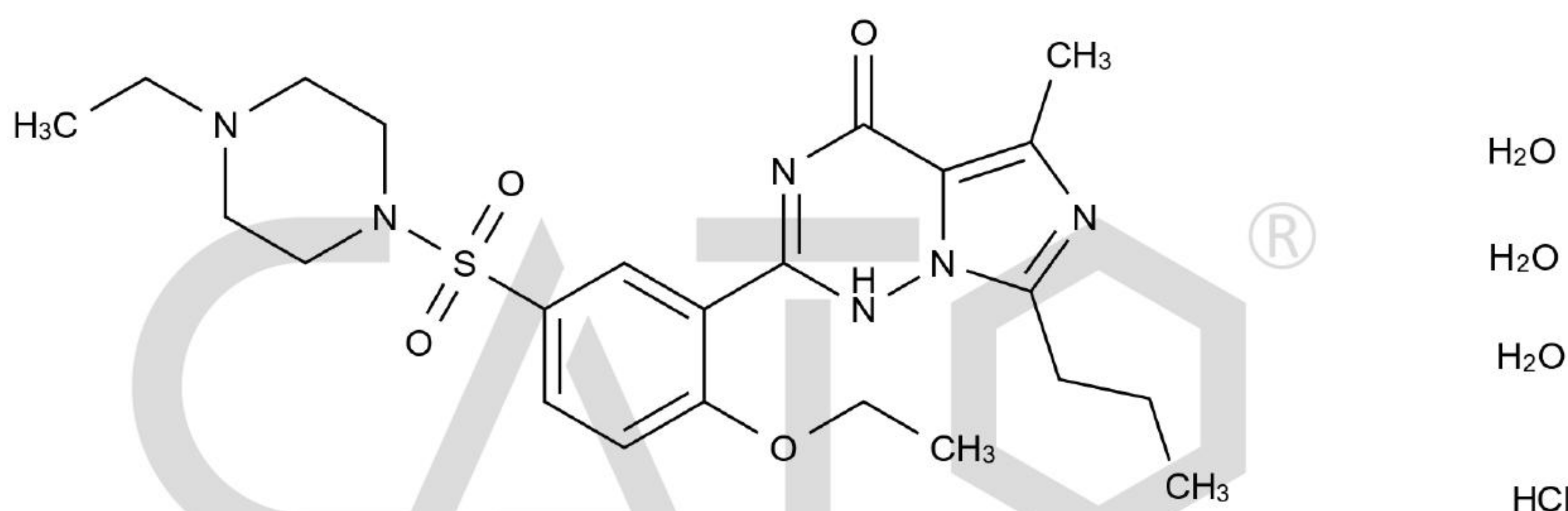
# Certificate of Analysis

## Reference Material & Standard

|                           |                                                                                        |                            |                                           |
|---------------------------|----------------------------------------------------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Vardenafil Hydrochloride Trihydrate                                                    | <b>Catalogue Number:</b>   | C4X-1017                                  |
| <b>Synonyms:</b>          | N/A                                                                                    | <b>Lot Number:</b>         | 0526-RH-0023                              |
| <b>CAS Number:</b>        | 330808-88-3                                                                            | <b>Expiry Date:</b>        | Jun 02, 2030                              |
| <b>Molecular Formula:</b> | C <sub>23</sub> H <sub>32</sub> N <sub>6</sub> O <sub>4</sub> S HCl 3*H <sub>2</sub> O | <b>Storage:</b>            | -20°C±5°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 488.60 36.46 3*18.02                                                                   | <b>Shipping Condition:</b> | Shipping with Ice Packs                   |
| <b>Solubility:</b>        | Acetonitrile                                                                           | <b>Warning:</b>            |                                           |



Chemical Structure:



| Test Items                 | Method            | Results     |
|----------------------------|-------------------|-------------|
| Appearance                 | Visual inspection | White Solid |
| Identification             | LCMS&HNMR         | Confirmed   |
| Purity                     | HPLC              | 99.951%     |
| Residue on Ignition        | TGA               | 0.3948%     |
| Loss on Drying             | TGA               | 9.3542%     |
| Loss on Drying(Free Water) |                   | 0.0193%     |
| Assay                      |                   | 99.5%       |

## Comment:

- The content of crystal water is 9.3349%.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):  

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss on Drying(Free Water)}) * \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss on Drying(Free Water) are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

*Nice*

Reviewed by:

*Koi*

Approved by General Manager:

*David*

Date: Jun 03, 2026

Date: Jun 03, 2026

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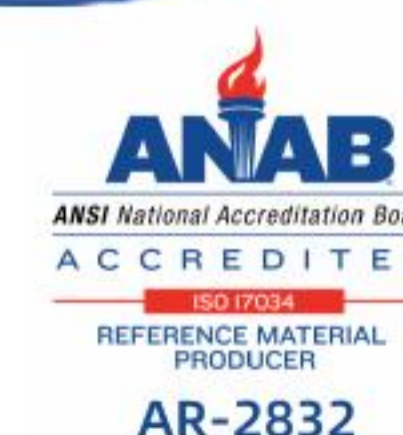
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