

# Certificate of Analysis

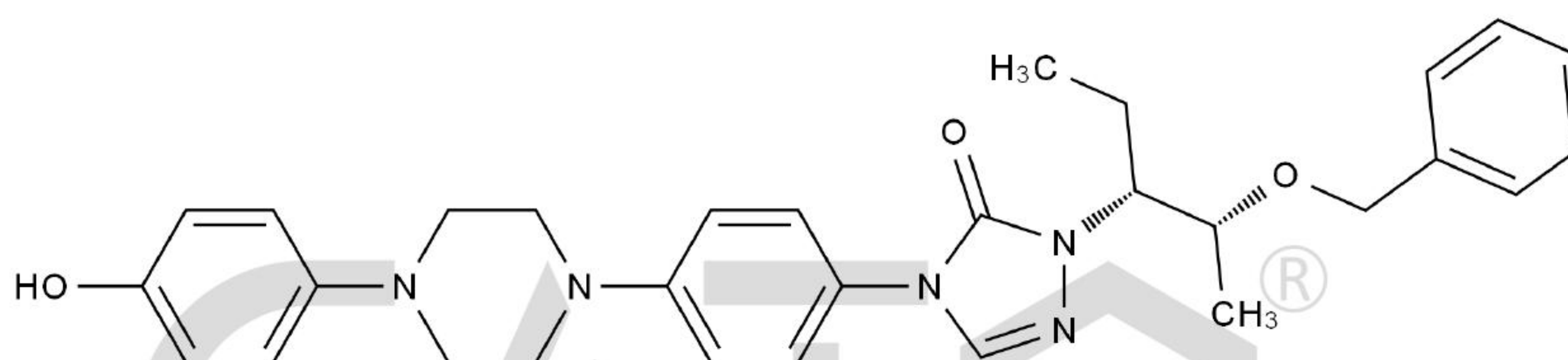
## Reference Material & Standard

|                           |                                                               |                            |                                           |
|---------------------------|---------------------------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Posaconazole Impurity 1                                       | <b>Catalogue Number:</b>   | C4X-12081                                 |
| <b>Synonyms:</b>          | N/A                                                           | <b>Lot Number:</b>         | 0410-RH-0112                              |
| <b>CAS Number:</b>        | 2243786-01-6                                                  | <b>Expiry Date:</b>        | Nov 13, 2029                              |
| <b>Molecular Formula:</b> | C <sub>30</sub> H <sub>35</sub> N <sub>5</sub> O <sub>3</sub> | <b>Storage:</b>            | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 513.63                                                        | <b>Shipping Condition:</b> | Shipping at Room Temperature              |

**Warning:**



**Chemical Structure:**



| Test Items        | Method            | Results             |
|-------------------|-------------------|---------------------|
| Appearance        | Visual inspection | Grey Solid          |
| Identification    | LCMS&UV&HNMR      | Confirmed           |
| Purity            | HPLC              | 99.138%             |
| Water Content     | Karl Fischer      | 0.04%               |
| Residual Solvents | NMR               | Not detected in NMR |
| Assay             |                   | 99.1%               |

## 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: Apr 13, 2026

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