

# Certificate of Analysis

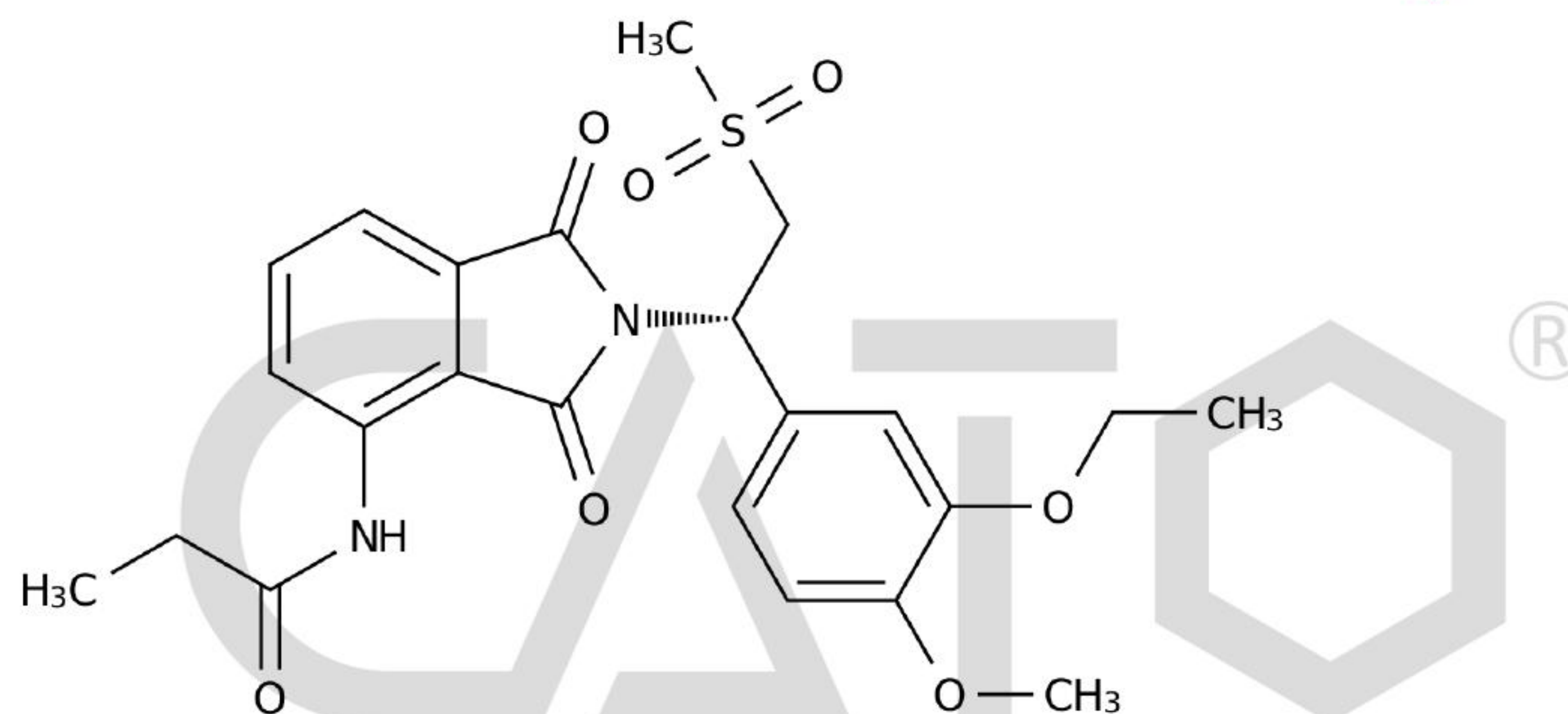
## Reference Material & Standard

|                           |                                                                 |                            |                                           |
|---------------------------|-----------------------------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Apremilast Impurity 69                                          | <b>Catalogue Number:</b>   | C4X-100969                                |
| <b>Synonyms:</b>          | N/A                                                             | <b>Lot Number:</b>         | 0330-RH-0169                              |
| <b>CAS Number:</b>        | N/A                                                             | <b>Expiry Date:</b>        | Mar 29, 2030                              |
| <b>Molecular Formula:</b> | C <sub>23</sub> H <sub>26</sub> N <sub>2</sub> O <sub>7</sub> S | <b>Storage:</b>            | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 474.53                                                          | <b>Shipping Condition:</b> | Shipping at Room Temperature              |

**Warning:**



**Chemical Structure:**



| Test Items     | Method            | Results      |
|----------------|-------------------|--------------|
| Appearance     | Visual inspection | Yellow Solid |
| Identification | LCMS&HNMR         | Confirmed    |
| Purity         | HPLC              | 93.911%      |
| Loss On Drying | TGA               | 0.4313%      |
| Assay          |                   | 93.5%        |

## Comment:

The calculation of the mass balance 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:**

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Date: Mar 31, 2026



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