

# CERTIFICATE OF ANALYSIS

(Certificate No. KMT005024-01)

Release Date: 18/11/2025

Re-test Date: 17/11/2028

## TELMISARTAN TERT-BUTYL ESTER IMPURITY

### Identification

**Chemical Name :**

2-(4-{[4-Methyl-6-(1-methyl-1H-1,3-benzodiazol-2-yl)-2-propyl-1H-1,3-benzodiazol-1-yl]methyl}phenyl)benzoic acid t-butyl ester

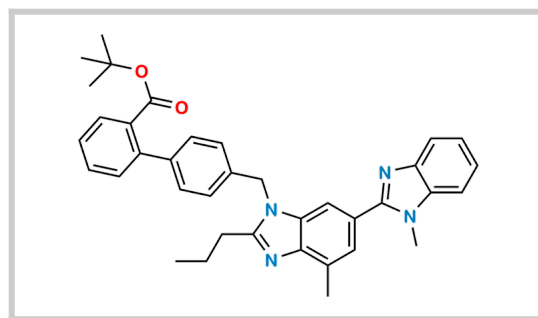
**Alt. Name** : Telmisartan t-Butyl Ester

**CAT No.** : KMT005024

**CAS No.** : 144702-26-1

**Molecular Formula** : C<sub>37</sub>H<sub>38</sub>N<sub>4</sub>O<sub>2</sub>

**Molecular Weight** : 570.7



### Analytical Information

**Batch No.** : TEL-IMP-C-045-317

**Description** : Yellow Solid

**HPLC Purity** : 99.40 %

**Weight Loss By TGA** : 0.93 %

**% Potency** : 98.48 %

**Solubility** : Acetonitrile

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H NMR** : Confirm

### Additional Information

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition** : Product is stable to be Shipped at Room Temperature

**% Potency** = [100 - 0.93(Weight Loss By TGA)] x [99.40(HPLC Purity)]/100 = 98.48 %  
-Re-tested and Description changed on 18.11.2025

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		19/11/2025
Reviewed & Approved By	Quality Control	Jatin Patel		19/11/2025

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA