

**Telmisartan Cas No. : 144701-48-4**

This drug is used to treat high blood pressure (hypertension). High blood pressure reduction helps prevent strokes, heart attacks, and kidney problems. This drug works by blocking the hormone angiotensin thereby relaxing blood vessels, causing them to widen. Telmisartan belongs to a class of drugs called angiotensin receptor blockers.

Active Pharmaceuticals Ingredients Manufacturers



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**Taj Pharmaceuticals Ltd.****Telmisartan****CAS No. : 144701-48-4****Synonyms:**

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

**Identifiers**

CAS number 144701-48-4

ATC code C09CA07

PubChem 65999

DrugBank APRD01247

**Chemical data**Formula C<sub>33</sub>H<sub>30</sub>N<sub>4</sub>O<sub>2</sub>

Mol. mass 514.617 g/mol

**Pharmacokinetic data**

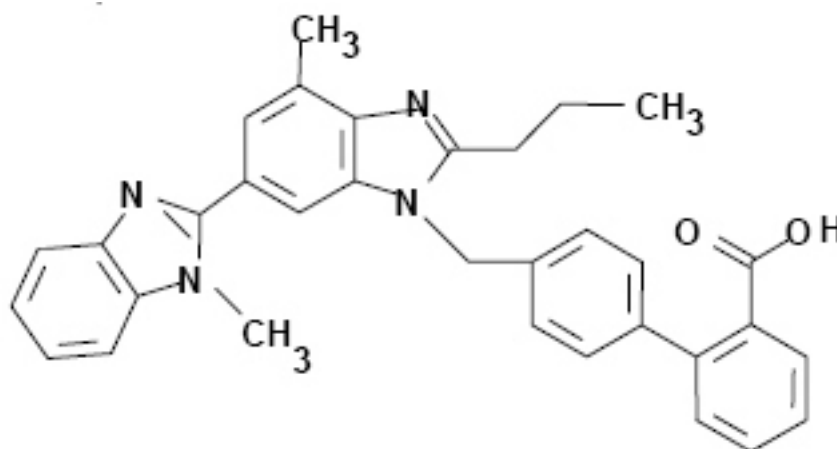
Bioavailability 42–100%

Protein binding ≥99.5%

Metabolism Minimal hepatic

Half life 24 hours

Excretion Faecal 97%



Telmisartan is a nonpeptide angiotensin II receptor antagonist. Telmisartan is chemically described as 4'-[(1,4'-dimethyl-2'-propyl [2,6'-bi-1H-benzimidazol-1'-yl)methyl]-[1,1'-biphenyl]-2-carboxylic acid.

Its empirical formula is C<sub>33</sub>H<sub>30</sub>N<sub>4</sub>O<sub>2</sub>, its molecular weight is 514.63. Telmisartan is a white to slightly yellowish solid.

It is practically insoluble in water and in the pH range of 3 to 9, sparingly soluble in strong acid (except insoluble in hydrochloric acid), and soluble in strong base.

**WARNING**

This drug can cause serious (possibly fatal) harm to an unborn baby if used during pregnancy. Therefore, it is important to prevent pregnancy while taking this medication. Consult your doctor for more details and to discuss the use of reliable forms of birth control while taking this medication.

**USES**

This drug is used to treat high blood pressure (hypertension). High blood pressure reduction helps prevent strokes, heart attacks, and kidney problems. This drug works by blocking the hormone angiotensin thereby relaxing blood vessels, causing them to widen. Telmisartan belongs to a class of drugs called angiotensin receptor blockers.

**HOW TO USE**

Take this medication by mouth, usually once daily or as directed by your doctor. You may take this drug with or without food. Use this medication regularly in order to get the most benefit from it. To help you remember, use it at the same time each day.



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The dosage is based on your medical condition and response to therapy. For the treatment of high blood pressure, it may take 4 weeks before the full benefit of this drug occurs.

**SIDE EFFECTS**

You may experience dizziness, lightheadedness, blurred vision, or back pain as your body adjusts to the medication. If any of these effects persist or worsen, notify your doctor. Tell your doctor immediately if any of these highly unlikely but very serious side effects occur: muscle pain/tenderness/weakness, unusual tiredness, change in the amount of urine, easy bruising/bleeding, yellowing eyes/skin, dark urine, persistent nausea/vomiting. An allergic reaction to this drug is unlikely, but seek immediate medical attention if it occurs. Symptoms of an allergic reaction include: rash, itching, swelling (especially of the face, lips, tongue, or throat), severe dizziness, trouble breathing.

**PRECAUTIONS**

Before using this medication, tell your doctor or pharmacist your medical history, especially of: kidney disease, liver disease, high blood levels of potassium, heart problems, severe dehydration (and loss of electrolytes such as sodium).

This drug may make you dizzy; use caution engaging in activities requiring alertness such as driving or using machinery. Limit alcoholic beverages.

To minimize dizziness and lightheadedness, get up slowly when rising from a seated or lying position.

Before having surgery, tell your doctor or dentist that you are taking this medication.

**MISSED DOSE**

If you miss a dose, use it as soon as you remember. If it is near the time of the next dose, skip the missed dose and resume your usual dosing schedule. Do not double the dose to catch up.

**STORAGE**

Store at room temperature (77 degrees F or 25 degrees C) away from light. This drug is sensitive to moisture. Therefore keep each dose in the manufacturer's original packaging until right before taking it. Brief storage between 59 and 86 degrees F (15 to 30 degrees C) is permitted. Do not store in the bathroom. Keep all medicines away from children

**DOSAGE**

Take this medication by mouth, usually once daily or as directed by your doctor.

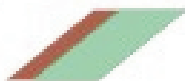
You may take this drug with or without food. Use this medication regularly in order to get the most benefit from it.





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To help you remember, use it at the same time each day.

Do not take potassium supplements or salt substitutes containing potassium without talking to your doctor or pharmacist first.

This medicine can raise your potassium levels, which rarely can cause serious side effects such as muscle weakness or very slow heartbeats. Tell your doctor immediately if these effects occur.

The dosage is based on your medical condition and response to therapy.

For the treatment of high blood pressure, it may take 4 weeks before the full benefit of this drug occurs.

It is important to continue taking this medication even if you feel well. Most people with high blood pressure do not feel sick.



**Note /Government Notification:** These chemicals are designated as those that are used in the manufacture of the controlled substances and are important to the manufacture of the substances. For any (Control Substance) products Import and Export \*\*\* subjected to your country government laws /control substance ACT.

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The Controlled Substances Act (CSA) was enacted into law by the Congress of the United States as Title II of the Comprehensive Drug Abuse Prevention and Control Act of 1970.[1] The CSA is the federal U.S. drug policy under which the manufacture, importation, possession, use and distribution of certain substances is regulated. The Act also served as the national implementing legislation for the Single Convention on Narcotic Drugs

This document plus the full buyer/ prescribing information, prepared for health professionals can be found at:

<http://www.tajapi.com>

or by contacting the sponsor, Taj Pharmaceuticals Limited., at:

91 022 30601000.

This leaflet was prepared by  
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Mumbai (India).

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