

Olmесartan Cas No. : 144689-63-4

Olmесartan is used to treat high blood pressure (hypertension). Lowering high blood pressure helps prevent strokes, heart attacks, and kidney problems. This drug works by relaxing blood vessels so blood can flow more easily. Olmesartan belongs to a class of drugs called angiotensin receptor blockers.

Active Pharmaceuticals Ingredients Manufacturers



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Taj Pharmaceuticals Ltd.**Olmесartan****CAS No. : 144689-63-4****Systematic (IUPAC) name**

(5-methyl-2-oxo-2H-1,3-dioxol-4-yl)methyl 4-(2-hydroxypropan-2-yl)-2-propyl-1-
({4-[2-(2H-1,2,3,4-tetrazol-5-yl)phenyl]phenyl}methyl)-1H-imidazole-5-carboxylate

Identifiers

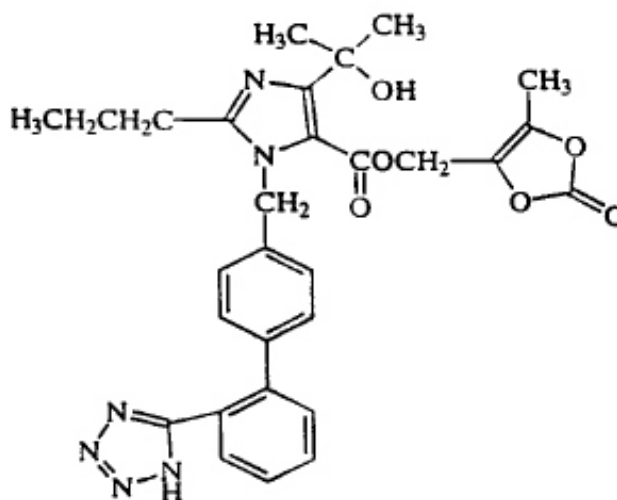
ATC code C09CA08
C09DA08 (with diuretics)
C09DB02 (with amlodipine)
PubChem 130881
DrugBank APRD00223

Chemical data

Formula C₂₉H₃₀N₆O₆
Mol. mass 558.585 g/mol
SMILES eMolecules & PubChem

Pharmacokinetic data

Bioavailability 26%
Metabolism Hepatic (cannot be removed by hemodialysis)
Half life 13 hours
Excretion Renal 40%, biliary 60%
Therapeutic considerations
Pregnancy cat.
C (D if used in second or third trimester)
Routes Oral

**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. If you are planning pregnancy, become pregnant, or think you may be pregnant, contact your doctor immediately.

USES

Olmесartan is used to treat high blood pressure (hypertension). Lowering high blood pressure helps prevent strokes, heart attacks, and kidney problems. This drug works by relaxing blood vessels so blood can flow more easily. Olmesartan 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.



Taj Pharmaceuticals Ltd.
Olmesartan

CAS No 144689-63-4



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 can rarely cause serious side effects such as muscle weakness or very slow heartbeat. Tell your doctor immediately if any of 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 2 to 4 weeks before you get the full benefit of this drug. It is important to continue taking this medication even if you feel well. Most people with high blood pressure do not feel sick.

SIDE EFFECTS

You may experience dizziness, lightheadedness, and blurred vision as your body adjusts to the medication. If any of these effects persist or worsen, notify your doctor or pharmacist promptly.

Remember that your doctor has prescribed this medication because he or she has judged that the benefit to you is greater than the risk of side effects. Many people using this medication do not have serious side effects.

Tell your doctor immediately if any of these unlikely but serious side effects occur: fainting, decreased sexual ability.

Tell your doctor immediately if any of these rare but very serious side effects occur: change in the amount of urine, muscle pain.

A very serious allergic reaction to this drug is unlikely, but seek immediate medical attention if it occurs. Symptoms of a serious allergic reaction may include: rash, itching, swelling (especially of the face, lips, tongue, or throat), severe dizziness, trouble breathing.

PRECAUTIONS

Before taking olmesartan, tell your doctor or pharmacist if you are allergic to it; or to ACE inhibitors (e.g., captopril, lisinopril); or if you have any other allergies. 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 minerals 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, take 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 between 68-77 degrees F (20-25 degrees C) away from light and moisture. Do not store in the bathroom. Keep all medicines away from children and pets.

DOSAGE

Take this medication exactly as it was prescribed for you. Do not take the medication in larger amounts, or take it for longer than recommended by your doctor. Follow the directions on your prescription label.





Your doctor may occasionally change your dose to make sure you get the best results from this medication. You may take olmesartan with or without food.

To be sure this medication is helping your condition, your blood pressure will need to be checked on a regular basis. Do not miss any scheduled appointments.

Keep using this medication even if you feel fine. High blood pressure often has no symptoms.

Store olmesartan at room temperature away from moisture and heat.

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.

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 can rarely cause serious side effects such as muscle weakness or very slow heartbeat. Tell your doctor immediately if any of 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 2 to 4 weeks before you get the full benefit of this drug.

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

Inform your doctor if your condition worsens (e.g., your routine blood pressure readings increase).

DRUG DESCRIPTION

Olmesartan is an angiotensin II receptor antagonist used to treat high blood pressure.

Olmesartan is hydrolyzed to olmesartan during absorption from the gastrointestinal tract. Olmesartan is a selective AT1 subtype angiotensin II receptor antagonist. Olmesartan medoxomil is described chemically as 2,3-dihydroxy-2-butenyl 4-(1-hydroxy-1-methylethyl)-2-propyl-1-[p-(o-1H-tetrazol-5-ylphenyl)benzyl]imidazole-5-carboxylate, cyclic 2,3-carbonate.

Olmesartan medoxomil is a white to light yellowish-white powder or crystalline powder with a molecular weight of 558.59. It is practically insoluble in water and sparingly soluble in methanol.

Olmesartan is available for oral use as film-coated tablets containing 5 mg, 20 mg, or 40 mg of olmesartan medoxomil and the following inactive ingredients: hydroxypropylcellulose, lactose, low-substituted hydroxypropylcellulose, magnesium stearate, microcrystalline cellulose, talc, titanium dioxide, and (5 mg only) yellow iron oxide.

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.

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