

Losartan Potassium Cas No. : 124750-99-8

This drug is used to treat high blood pressure (hypertension) and to help protect the kidneys from damage due to diabetes. It is also used to lower the risk of strokes in patients with high blood pressure and an enlarged heart. High blood pressure reduction helps prevent strokes, heart attacks, and kidney problems.

Active Pharmaceuticals Ingredients Manufacturers



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Taj Pharmaceuticals Ltd.

Losartan Potassium

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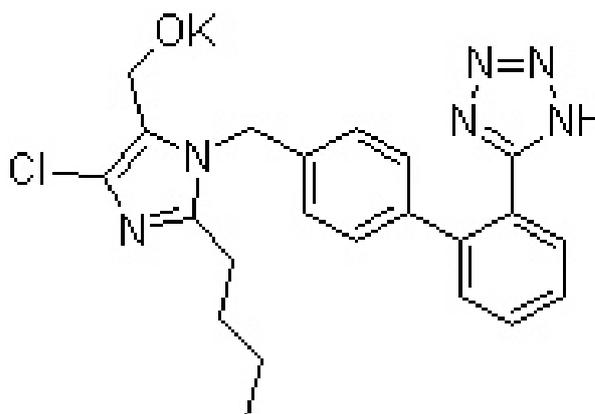
Molecular Weight 461.01
CAS Registry Number 124750-99-8

Identifiers

ATC code C09CA01
PubChem 3961
DrugBank APRD00052

Chemical data

Formula C₂₂H₂₃ClN₆O
Mol. mass 422.91
SMILES eMolecules & PubChem
Pharmacokinetic data
Bioavailability 25–35%
Metabolism Hepatic (CYP2C9, CYP3A4)
Half life 1.5–2 hours
Excretion Renal 13–25%, biliary 50–60%
Therapeutic considerations
Pregnancy cat.

**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

This drug is used to treat high blood pressure (hypertension) and to help protect the kidneys from damage due to diabetes. It is also used to lower the risk of strokes in patients with high blood pressure and an enlarged heart. 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. Losartan 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.

SIDE EFFECTS

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



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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).

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 and moisture. 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

Hypertension
Adults Initial dose

PO 50 mg/day; 25 mg/day if volume depleted or history of hepatic impairment.
Maintenance dose

PO 25 to 100 mg/day.
Children 6 yr of age and older Initial dose

PO 0.7 mg/kg (max, 50 mg) once daily.
Maintenance dose

PO 0.7 to 1.4 mg/kg/day (max, 100 mg).
Nephropathy in Type 2 Diabetes
Adults Initial dose

PO 50 mg/day; the dose may be increased to 100 mg/day based on BP response.
Hypertension in Patients with Left Ventricular Hypertrophy
Adults

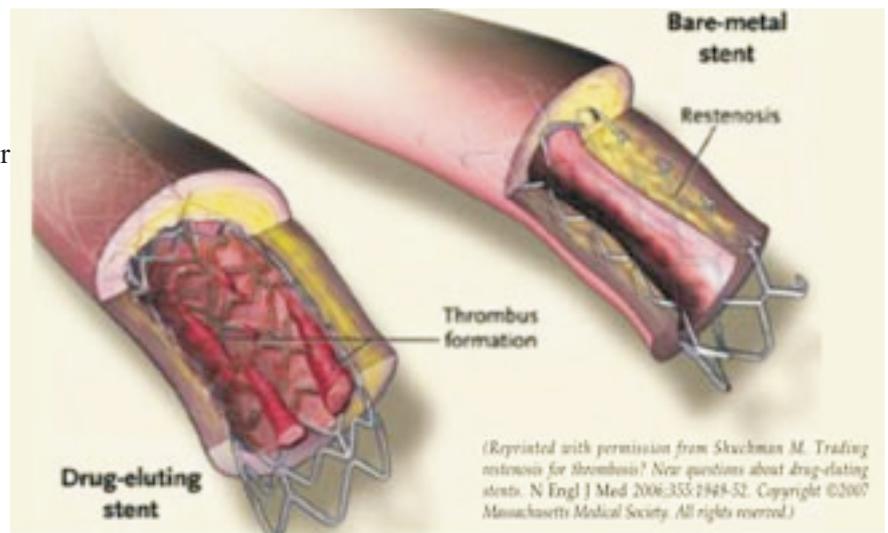
PO 50 mg/day; add hydrochlorothiazide 12.5 mg/day and/or increase the dose of losartan to 100 mg/day followed by an increase in hydrochlorothiazide to 25 mg/day based on BP response.

DRUG DESCRIPTION

Losartan Potassium is an angiotensin II receptor (type AT1) antagonist. Losartan and its principle active metabolite block the vasoconstrictor and aldosterone secreting effects of angiotensin II by selectively blocking the binding of angiotensin II to AT1.

The drug is used for treating High blood pressure and preventing progression of kidney diseases in patients suffering from type 2 diabetes.

The drug acts by preventing the action of a hormone called angiotensin II in the human body. Angiotensin II generally acts on special receptors in the body, with two major results. One, it narrows the peripheral blood vessels, and two, it stimulates the production of hormone aldosterone, another hormone in the body.





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Aldosterone hormone, causes salt and water to be retained by the kidneys, there by increasing the volume of fluid in the blood vessels. Losartan blocks the receptors that angiotensin II acts on, and so prevents its actions.
Treatment of hypertension; nephropathy in type 2 diabetic patients; reduce risk of stroke in patients with hypertension and left ventricular hypertrophy.

PRECAUTIONS

Before taking losartan, 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 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.

Caution is advised when using this drug in the elderly because they may be more sensitive to the effects of the drug, especially the dizziness effect.

This medication is not recommended for use during pregnancy due to the risk for harm to an unborn baby. Consult your doctor for more details. (See also Warning section.)

It is not known if this drug passes into breast milk. Breast-feeding is not recommended due to the potential harm to the nursing infant. Consult your doctor before breast-feeding.

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.

Information: The information on this web page is provided to help you to work safely, but it is intended to be an overview of hazards, not a replacement for a full Material Safety Data Sheet (MSDS). MSDS forms can be downloaded from the web sites of many chemical suppliers. ,also that the information on the PTCL Safety web site, where this page was hosted, has been copied onto many other sites, often without permission. If you have any doubts about the veracity of the information that you are viewing, or have any queries, please check the URL that your web browser displays for this page. If the URL begins "www.tajapi.com/www/Denatonium Benzoate.htm/" the page is maintained by the Safety Officer in Physical Chemistry at Oxford University. If not, this page is a copy made by some other person and we have no responsibility for it.

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
Taj Pharmaceuticals Limited,
Mumbai (India).

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