Taj Pharmaceuticals Ltd.

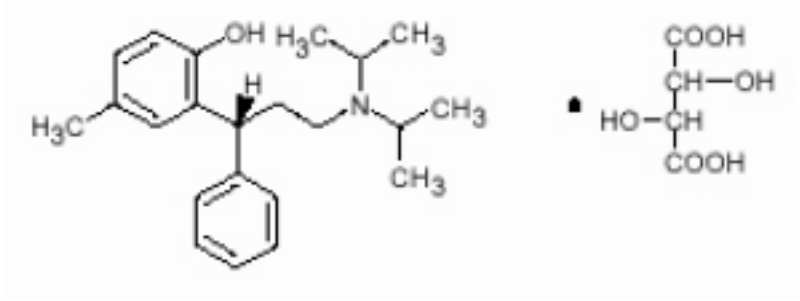
Tolterodine Tartrate

CAS No. : 124937-51-5

Synonyms:

2-[(1S)-3-(diisopropylamino)-1-phenylpropyl]-4-methylphenol

Identifiers
CAS number 124937-51-5
ATC code G04BD07
PubChem 60774
DrugBank APRD00146



Chemical data
Formula C22H31NO
Mol. mass 325.488 g/mol

Pharmacokinetic data
Bioavailability 77%
Protein binding Approximately 96.3%.
Metabolism
Half life 1.9-3.7 hours
Excretion

Tolterodine Tartrate. The active moiety, tolterodine, is a muscarinic receptor antagonist.

The chemical name of tolterodine tartrate is (R)-N,N- diisopropyl-3-(2-hydroxy-5-methylphenyl)-3-phenylpropanamine L-hydrogen tartrate.

The empirical formula of tolterodine tartrate is C26H37NO7, and its molecular weight is 475.6.Tolterodine tartrate is a white, crystalline powder.

The pKa value is 9.87 and the solubility in water is 12 mg/mL. It is soluble in methanol, slightly soluble in ethanol, and practically insoluble in toluene.

The partition coefficient (Log D) between n- octanol and water is 1.83 at pH 7.3.

USES

This medication is used to treat an overactive bladder. By relaxing the muscles in the bladder, tolterodine improves your ability to control your urination. It helps to reduce leaking of urine, feelings of needing to urinate right away, and frequent trips to the bathroom. This medication belongs to the class of drugs known as antispasmodics.

HOW TO USE

Take this medication by mouth, with or without food, usually once a day, or as directed by your doctor. Swallow the medication whole with a full glass of liquid. Do not crush or chew the medication. Doing so can destroy the long action of the drug and may increase side effects.Use this medication regularly in order to get the most benefit from it. Remember to use it at the same time each day. Dosage is based on your medical condition (especially kidney and liver disease), response to therapy, and use of certain interacting medicines. Consult your doctor or pharmacist for more details.

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Do not increase your dose or take this medication more often without your doctor's approval. Your condition will not improve any faster and the risk of serious side effects may be increased.

SIDE EFFECTS

Dry mouth, dry eyes, headache, constipation, stomach upset/pain, dizziness, drowsiness, tiredness, or blurred vision may occur. If any of these effects persist or worsen, notify your doctor or pharmacist promptlyTo prevent constipation, maintain a diet adequate in fiber, drink plenty of water, and exercise. If you become constipated, consult your pharmacist for help in choosing a laxative (e.g., stimulant-type with stool softener). 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, severe dizziness, trouble breathing.

PRECAUTIONS

Before taking tolterodine, tell your doctor or pharmacist if you are allergic to it; or if you have any other allergies.

This medication should not be used if you have certain medical conditions. Before using this medicine, consult your doctor or pharmacist if you have: problems emptying your bladder (urinary retention), severe blockage of stomach/intestines (gastric retention), a certain eye condition (uncontrolled narrow-angle glaucoma).

Before using this medication, tell your doctor or pharmacist your medical history, especially of: other bladder problems (e.g., bladder outflow obstruction), stomach/intestinal disease (e.g., ulcerative colitis), slowed movement of stomach/intestines, severe constipation, controlled narrow-angle glaucoma, kidney disease, liver disease, enlarged prostate, a certain muscle disease (myasthenia gravis), personal/family history of certain abnormal heart rhythm or rate (QTc prolongation, bradycardia), mineral imbalance (e.g., low potassium or magnesium levels).

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 59-86 degrees F (15-30 degrees C) is permitted. Do not store in the bathroom. Keep all medicines away from children

DOSAGE

Take this product by mouth exactly as directed by you doctor.

Your dosage depends on your condition and response to therapy.

This medication may be taken with or without food. The sustained release form must be swallowed whole. Do not crush or chew them.

The recommended dose of Tolterodine Tartrate Capsules are 4 mg daily.
Tolterodine Tartrate should be taken once daily with liquids and swallowed whole.

The dose may be lowered to 2 mg daily based on individual response and tolerability, however, limited efficacy data is available for Tolterodine Tartrate 2 mg For patients with significantly reduced hepatic or renal function or who are currently taking drugs that are potent inhibitors of CYP3A4, the recommended dose of Tolterodine Tartrate is 2 mg daily

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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

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This leaflet was prepared by
Taj Pharmaceuticals Limited,
Mumbai (India).
MPSTJ278
Last revised: 29 August 2009