

**Fluconazole Cas No. : 86386-73-4**

Take this medication by mouth, with or without food, usually once a day, or as directed by your doctor. Dosage is based on your medical condition and response to therapy. This medication comes with a patient information leaflet. Read it carefully. Ask your doctor or pharmacist any questions you may have about this medicine.

Active Pharmaceuticals Ingredients Manufacturers

**Taj Pharmaceuticals Ltd.****Fluconazole****CAS No. : 86386-73-4****Systematic (IUPAC) name**

2-(2,4-difluorophenyl)-  
1,3-bis(1H-1,2,4-triazol-1-yl)propan-2-ol

**Identifiers**

CAS number 86386-73-4  
 ATC code D01AC15 J02AC01  
 PubChem 3365  
 DrugBank APRD00327  
 ChemSpider 3248

**Chemical data**

Formula C<sub>13</sub>H<sub>12</sub>F<sub>2</sub>N<sub>6</sub>O  
 Mol. mass 306.271 g/mol

**Pharmacokinetic data**

Bioavailability >90%  
 Protein binding 11–12%  
 Metabolism Hepatic 11%  
 Half life 30 hours (range 20-50 hours)  
 Excretion Renal 61–88%

**USES**

Fluconazole is an azole antifungal medication used to prevent and treat a variety of fungal and yeast infections.

**HOW TO USE**

Take this medication by mouth, with or without food, usually once a day, or as directed by your doctor. Dosage is based on your medical condition and response to therapy.

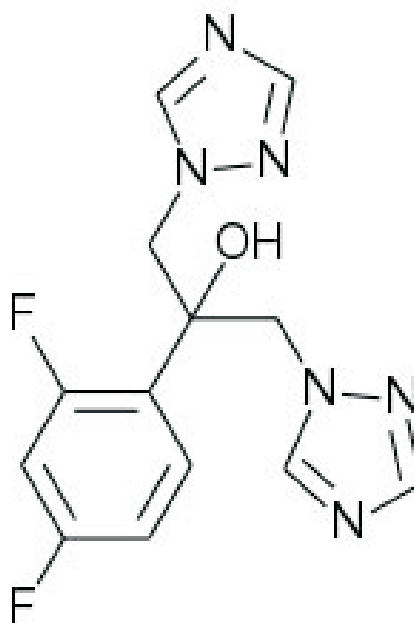
This medication comes with a patient information leaflet. Read it carefully. Ask your doctor or pharmacist any questions you may have about this medicine.

This medication works best when the amount of medicine in your body is kept at a constant level. Therefore, remember to use it at the same time each day as directed.

Continue to take this medication until the full-prescribed amount is finished even if symptoms disappear after a few days. Stopping the medication too early may allow the fungus or yeast to continue to grow, which may result in a relapse of the infection.

**SIDE EFFECTS**

Nausea, vomiting, diarrhea, stomach upset/pain, headache, dizziness, or hair loss may occur. If any of these effects persist or worsen, notify your doctor or pharmacist promptly.





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**Fluconazole**

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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.

Seek immediate medical attention if any of these rare but very serious side effects occur: severe dizziness, fainting, fast/irregular heartbeat.

A serious allergic reaction to this drug is unlikely, but seek immediate medical attention if it occurs. Symptoms of a serious allergic reaction include: rash, itching, swelling, severe dizziness, trouble breathing.

This is not a complete list of possible side effects. If you notice other effects not listed above, contact your doctor or pharmacist.

### **PRECAUTIONS**

Before taking fluconazole, tell your doctor or pharmacist if you are allergic to it; or to other azole antifungal drugs (e.g., ketoconazole, itraconazole); or if you have any other allergies.

Before using this medication, tell your doctor or pharmacist your medical history, especially of: heart problems (e.g., slow heartbeat, QT prolongation in the EKG), liver disease, kidney disease.

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

Because kidney function can decrease with age, use caution in the elderly because they may be more sensitive to the effects of 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 the US product below 86 degrees F (30 degrees C) away from light and moisture. Do not freeze. Do not store in the bathroom.

Store the Canadian product at room temperature between 59 and 86 degrees F (15-30 degrees C) away from light and moisture. Do not store in the bathroom.

Keep all medicines away from children and pets.

### **DOSAGE**

Fluconazole comes as a tablet and a suspension (liquid) to take by mouth. It is usually taken once a day. You may need to take only one dose of fluconazole, or you may need to take fluconazole for several weeks or longer. The length of your treatment depends on your condition and on how well you respond to fluconazole. Follow the directions on your prescription label carefully, and ask your doctor or pharmacist to explain any part you do not understand. Take fluconazole exactly as directed. Do not take more or less of it or take it more often than prescribed by your doctor.

Your doctor may tell you to take a double dose of fluconazole on the first day of your treatment. Follow these directions



shake the liquid well before each use to mix the medication evenly.

The usual adult dose is 50-400 mg daily depending on the type of infection. Although symptoms of oral candida infections may subside in a few days treatment is continued for 2 weeks. Esophageal Candida infections are treated for 3 weeks or longer. Treatment of cryptococcal meningitis may last for 10-12 weeks after cerebrospinal fluid cultures become negative.

## DRUG DESCRIPTION

Fluconazole the first of a new subclass of synthetic triazole antifungal agents, is available as tablets for oral administration, as a powder for oral suspension and as a sterile solution for intravenous use in glass and in Plus plastic containers. Fluconazole is designated chemically as 2,4-difluoro-1-(1H-1,2,4-triazol-1-ylmethyl) benzyl alcohol with an empirical formula of C<sub>13</sub>H<sub>12</sub>F<sub>2</sub>N<sub>6</sub>O and molecular weight 306.3. Fluconazole is a white crystalline solid which is slightly soluble in water and saline.

Fluconazole is an anti-fungal medication related to clotrimazole, ketoconazole, itraconazole, and miconazole. It prevents growth of fungi by preventing production of the membranes that surround fungal cells



Fluconazole is used to treat fungal infections, including yeast infections of the vagina, mouth, throat, esophagus (tube leading from the mouth to the stomach), abdomen (area between the chest and waist), lungs, blood, and other organs. Fluconazole is also used to treat meningitis (infection of the membranes covering the brain and spine) caused by fungus. Fluconazole is also used to prevent yeast infections in patients who are likely to become infected because they are being treated with chemotherapy or radiation therapy before a bone marrow transplant (replacement of unhealthy spongy tissue inside the bones with healthy tissue). Fluconazole is in a class of antifungals called triazoles. It works by slowing the growth of fungi that cause infection

**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  
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