

other. Using ketoconazole tablets with other medicines can cause serious side effects.

How should I take ketoconazole tablets?

- Take ketoconazole tablets 1 time each day.
- Do not stop taking ketoconazole tablets without first talking to your healthcare provider.

What should I avoid while taking ketoconazole tablets?

- Do not drink alcohol while taking ketoconazole tablets.

What are the possible side effects of ketoconazole tablets?

Ketoconazole tablets may cause serious side effects, including:

- See “What is the most important information I should know about ketoconazole tablets?”**
- adrenal insufficiency.** Adrenal insufficiency is a condition in which the adrenal glands do not make enough steroid hormones. Ketoconazole tablets may cause adrenal insufficiency if you take a high dose. Your healthcare provider will follow you closely if you have adrenal insufficiency or if you are taking prednisone or other similar medicines for long periods of time. Call your healthcare provider right away if you have symptoms of adrenal insufficiency such as tiredness, weakness, dizziness, nausea, and vomiting.
- serious allergic reactions.** Some people can have a serious allergic reaction to ketoconazole tablets. Stop taking ketoconazole tablets and go to the nearest hospital emergency room right away if you get a rash, itching, hives, fever, swelling of the lips or tongue, chest pain, or have trouble breathing. These could be signs of a serious allergic reaction.
- muscle problems.** Taking certain medicines with ketoconazole tablets may cause muscle problems. See “Who should not take ketoconazole tablets?”

The most common side effects of ketoconazole tablets include nausea, headache, diarrhea, stomach pain, and abnormal liver function tests.

These are not all the possible side effects of ketoconazole tablets. For more information, ask your healthcare provider or pharmacist.

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800- FDA-1088.

How should I store ketoconazole tablets?

- Store ketoconazole tablets at room temperature between 68° and 77° F (20° and 25° C)
- Keep ketoconazole tablets dry.

General information about the safe and effective use of ketoconazole tablets.

Medications are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not use ketoconazole tablets for a condition for which they were not prescribed. Do not give ketoconazole tablets to other people, even if they have the same symptoms that you have. They may harm them.

This Medication Guide summarizes the most important information about ketoconazole tablets.

If you would like more information, talk to your healthcare provider. You can ask your pharmacist or healthcare provider for information about ketoconazole tablets that is written for health professionals.

What are the ingredients in ketoconazole tablets, USP?

Active ingredient: ketoconazole, USP

Inactive ingredients: colloidal silicon dioxide, corn starch, lactose monohydrate, magnesium stearate, microcrystalline cellulose, and povidone.

This Medication Guide has been approved by the U.S. Food and Drug Administration.

Manufactured by:

Strides Pharma Science Limited
Puducherry - 605014, India.

Distributed by:

Strides Pharma Inc,
Bridgewater, NJ 08807

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Antibacterials		rifabutin	telithromycin	Rifabutin: see also under Drugs that may decrease ketoconazole plasma concentrations. Telithromycin: A multiple-dose interaction study with ketoconazole showed that C _{max} of telithromycin was increased by 51% and AUC by 95%.
Anticoagulants and Antiplatelet Drugs		rivaroxaban	cilostazol, coumarins, dabigatran	Cilostazol: Concomitant administration of single doses of cilostazol 100 mg and ketoconazole 400 mg approximately doubled cilostazol concentrations and altered (increase/decrease) the concentrations of the active metabolites of cilostazol. Coumarins: Ketoconazole may enhance the anticoagulant effect of coumarin-like drugs, thus the anticoagulant effect should be carefully titrated and monitored. Dabigatran: In patients with moderate renal impairment (CrCL 50 mL/min to < 80 mL/min), consider reducing the dose of dabigatran to 75 mg twice daily when it is coadministered with ketoconazole.
Anticonvulsants		carbamazepine		Carbamazepine: <i>In vivo</i> studies have demonstrated an increase in plasma carbamazepine concentrations in subjects concomitantly receiving ketoconazole. In addition, the bioavailability of ketoconazole may be reduced by carbamazepine.
Antidiabetics			repaglinide, saxagliptin	
Anthelmintics and Antiprotozoals			praziquantel	
Antimigraine Drugs	ergot alkaloids, such as dihydroergotamine, ergometrine (ergonovine), ergotamine, methylergometrine (methylergonovine)		eletriptan	Ergot alkaloids: The potential increase in plasma concentrations of ergot alkaloids when coadministered with ketoconazole tablets may increase the risk of ergotism, i.e., a risk for vasospasm potentially leading to cerebral ischemia and/or ischemia of the extremities. Eletriptan: Eletriptan should be used with caution with ketoconazole, and specifically, should not be used within at least 72 hours of treatment with ketoconazole
Antineoplastics	irinotecan	dasatinib, lapatinib, nilotinib	bortezomib, busulfan, docetaxel, erlotinib, imatinib, ixabepilone, paclitaxel, trimetrexate, vinca alkaloids	Irinotecan: The potential increase in plasma concentrations of irinotecan when coadministered with ketoconazole tablets may increase the risk of potentially fatal adverse events. Docetaxel: In the presence of ketoconazole, the clearance of docetaxel in cancer patients was shown to decrease by 50%.
Antipsychotics, Anxiolytics and Hypnotics	Lurasidone, alprazolam, oral midazolam, pimozone, triazolam		aripiprazole, buspirone, haloperidol, midazolam IV, quetiapine, ramelteon, risperidone	The increase in plasma concentrations of lurasidone when coadministered with ketoconazole tablets may increase the risk of serious side effects (See CONTRAINDICATIONS). Alprazolam, midazolam, triazolam: Coadministration of ketoconazole tablets with oral midazolam or triazolam, or alprazolam may cause several-fold increases in plasma concentrations of these drugs. This may potentiate and prolong hypnotic and sedative effects, especially with repeated dosing or chronic administration of these agents. Pimozide: The potential increase in plasma concentrations of pimozide when coadministered with ketoconazole tablets may increase the risk of serious cardiovascular events including QT prolongation and torsade de pointes. Aripiprazole: Coadministration of ketoconazole (200 mg/day for 14 days) with a 15 mg single dose of aripiprazole increased the AUC of aripiprazole and its active metabolite by 65% and 77%, respectively. The effect of a higher ketoconazole dose (400 mg/day) has not been studied. When ketoconazole is given concomitantly with aripiprazole, the aripiprazole dose should be reduced to one-half of the recommended dose. Buspirone: Ketoconazole is expected to inhibit buspirone metabolism and increase plasma concentrations of buspirone. If a patient has been titrated to a stable dosage on buspirone, a dose reduction of buspirone may be necessary to avoid adverse events attributable to buspirone or diminished anxiolytic activity.
Antivirals			indinavir, naranavirc, saquinavir	
Beta Blockers			nadolol	
Calcium Channel Blockers	felodipine, nisoldipine		other dihydropyridines, verapamil	Calcium channel blockers can have a negative inotropic effect which may be additive to those of ketoconazole. The potential increase in plasma concentrations of calcium channel blockers when coadministered with ketoconazole tablets may increase the risk of edema and congestive heart failure. Dihydropyridines: Concomitant administration of ketoconazole tablets may cause several-fold increases in plasma concentrations of dihydropyridines
Cardiovascular Drugs, Miscellaneous	ranolazine		alikiren, bosentan	Ranolazine: The potential increase in plasma concentrations of ranolazine when coadministered with ketoconazole tablets may increase the risk of serious cardiovascular events including QT prolongation. Bosentan: Coadministration of bosentan 125 mg twice daily and ketoconazole, increased the plasma concentrations of bosentan by approximately 2-fold in normal volunteers. No dose adjustment of bosentan is necessary, but patients should be monitored for increased pharmacologic effects and adverse reactions of bosentan.
Diuretics	spironone			The potential increase in plasma concentrations of spironone when coadministered with ketoconazole tablets may increase the risk of hyperkalemia and hypotension.
Gastrointestinal Drugs	cisapride		aprepitant	Cisapride: Oral ketoconazole potentially inhibits the metabolism of cisapride resulting in a mean eight-fold increase in AUC of cisapride, which can lead to serious cardiovascular events including QT prolongation.
Immunosuppressants		everolimus, rapamycin (also known as sirolimus), temsirolimus	budesonide, ciclosporine, dexamethasone, fluticasone, methylprednisolone, tacrolimus	Rapamycin (sirolimus): Ketoconazole tablets 200 mg daily for 10 days increased the C _{max} and AUC of a single 5 mg dose of sirolimus by 4.3 fold and 10.9 fold, respectively in 23 healthy subjects. Fluticasone: Coadministration of fluticasone propionate and ketoconazole is not recommended unless the potential benefit to the patient outweighs the risk of systemic corticosteroid side effects.
Lipid Regulating Drugs	lovastatin, simvastatin		atorvastatin	The potential increase in plasma concentrations of atorvastatin, lovastatin and simvastatin when coadministered with ketoconazole tablets may increase the risk of skeletal muscle toxicity, including rhabdomyolysis.
Respiratory Drugs		salmeterol		
Urological Drugs			fecoterodine, sildenafil, solifenacin, tadalafil, tolterodine, vardenafil	Vardenafil: A single dose of 5 mg of vardenafil should not be exceeded when coadministered with ketoconazole.

Other	colchicine, in subjects with renal or hepatic impairment; tolavaptan	colchicine	alcohol, cinacalcet	Colchicine: The potential increase in plasma concentrations of colchicine when coadministered with ketoconazole tablets may increase the risk of potentially fatal adverse events Tolavaptan: Ketoconazole 200 mg administered with tolavaptan increased tolavaptan exposure by 5 fold. Larger doses would be expected to produce larger increases in tolavaptan exposure. There is not adequate experience to define the dose adjustment that would be needed to allow safe use of tolavaptan with strong CYP3A inhibitors such as ketoconazole. Alcohol: Exceptional cases have been reported of a disulfiram-like reaction to alcohol, characterized by flushing, rash, peripheral edema, nausea and headache. All symptoms completely resolved within a few hours.
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Carcinogenesis, Mutagenesis, Impairment of Fertility

Ketoconazole did not show any signs of mutagenic potential when evaluated using the dominant lethal mutation test or the Ames Salmonella microsomal activator assay. Ketoconazole was not carcinogenic in an 18 month, oral study in Swiss albino mice or a 24 month oral carcinogenicity study in Wistar rats at dose levels of 5, 20 and 80 mg/kg/day. The high dose in these studies was approximately 1x (mouse) or 2x (rat) the clinical dose in humans based on a mg/m² comparison.

Pregnancy

Teratogenic effects

Ketoconazole has been shown to be teratogenic (syndactylia and oligodactylia) in the rat when given in the diet at 80 mg/kg/day (2 times the maximum recommended human dose, based on body surface area comparisons). However, these effects may be related to maternal toxicity, evidence of which also was seen at this and higher dose levels.

There are no adequate and well controlled studies in pregnant women. Ketoconazole tablets should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

Nonteratogenic Effects

Ketoconazole has also been found to be embryotoxic in the rat when given in the diet at doses higher than 80 mg/kg during the first trimester of gestation.

In addition, dystocia (difficult labor) was noted in rats administered oral ketoconazole during the third trimester of gestation. This occurred when ketoconazole was administered at doses higher than 10 mg/kg (about one fourth the maximum human dose, based on body surface area comparison).

Nursing Mothers

Ketoconazole has been shown to be excreted in the milk. Mothers who are under treatment with ketoconazole tablets should not breast feed.

Pediatric Use

Ketoconazole tablets have not been systematically studied in children of any age, and essentially no information is available on children under 2 years. Ketoconazole tablets should not be used in pediatric patients unless the potential benefit outweighs the risks.

ADVERSE REACTIONS

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice.

The following adverse reactions were reported in clinical trials:

Immune System Disorders: anaphylactoid reaction

Endocrine Disorders: gynecomastia

Metabolism and Nutrition Disorders: alcohol intolerance, anorexia, hyperlipidemia, increased appetite

Psychiatric Disorders: insomnia, nervousness

Nervous System Disorders: headache, dizziness, paresthesia, somnolence

Eye Disorders: photophobia

Vascular Disorders: orthostatic hypotension

Respiratory, Thoracic and Mediastinal Disorders: epistaxis

Gastrointestinal Disorders: vomiting, diarrhea, nausea, constipation, abdominal pain, abdominal pain upper, dry mouth, dysgeusia, dyspepsia, flatulence, tongue discoloration

Hepatobiliary Disorders: hepatitis, jaundice, hepatic function abnormal

Skin and Subcutaneous Tissues Disorders: erythema multiforme, rash, dermatitis, erythema, urticaria, pruritus, alopecia, xeroderma

Musculoskeletal and Connective Tissue Disorders: myalgia

Reproductive System and Breast Disorders: menstrual disorder

General Disorders and Administration Site Conditions: asthenia, fatigue, hot flush, malaise, edema peripheral, pyrexia, chills

Investigations: platelet count decreased.

Postmarketing Experience

The following adverse reactions have been identified during postapproval use of ketoconazole tablets. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.

The following adverse reactions were reported during postmarketing experience:

Blood and Lymphatic System Disorders: thrombocytopenia

Immune System Disorders: allergic conditions including anaphylactic shock, anaphylactic reaction, angioneurotic edema

Endocrine Disorders: adrenocortical insufficiency

Nervous System Disorders: reversible intracranial pressure increased (e.g., papilloedema, fontanelle bulging in infants)

Hepatobiliary Disorders: serious hepatotoxicity including hepatitis cholestatic, biopsy-confirmed hepatic necrosis, cirrhosis, hepatic failure including cases resulting in transplantation or death

Skin and Subcutaneous Tissue Disorders: acute generalized exanthematous pustulosis, photosensitivity

Musculoskeletal and Connective Tissue Disorders: arthralgia

Reproductive System and Breast Disorders: erectile dysfunction; with doses higher than the recommended therapeutic dose of 200 or 400 mg daily, azoospermia.

OVERDOSAGE

In the event of acute accidental overdose, treatment consists of supportive and symptomatic measures. Within the first hour after ingestion, activated charcoal may be administered.

DOSAGE AND ADMINISTRATION

There should be laboratory as well as clinical documentation of infection prior to starting ketoconazole therapy. The usual duration of therapy for systemic infection is 6 months. Treatment should be continued until active fungal infection has subsided.

Adults

The recommended starting dose of ketoconazole tablets is a single daily administration of 200 mg (one tablet). If clinical responsiveness is insufficient within the expected time, the dose of ketoconazole tablets may be increased to 400 mg (two tablets) once daily.

Children

In small numbers of children over 2 years of age, a single daily dose of 3.3 to 6.6 mg/kg has been used. Ketoconazole tablets have not been studied in children under 2 years of age.

HOW SUPPLIED

Each ketoconazole tablet USP contains ketoconazole, USP 200 mg available in bottles of 100 (NDC 64380-827-06) and 500 (NDC 64380-827-07). The tablets are white to off white, round shaped flat-beveled debossed with “S” and “500” on the scored side and plain on the other side.

Store at 20° to 25° C (68° to 77° F) [see USP Controlled Room Temperature].

Protect from moisture.

Keep this and all medications out of reach of children.

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Dimension	380 x 450 mm			Pack	----
New Item Code	1052271	Old Item Code	1050786		
Colour Shades	BLACK			No. of Colours	1
Change Control No.	PC-PYF/2025/150 - Record No.: 460166 & PC-TSG/2025/052 - Record No.: 463027			Artwork Version	7.0
Design/Style	Front & Back Printing. Booklet Form. (Folded size: 36 x 35 mm). To be supplied in the folded Booklet form with pasting.				
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