PEDIZOLPAK- ketoconazole,miconazole nitrate
NuCare Pharmaceuticals,Inc.

Disclaimer: This drug has not been found by FDA to be safe and effective, and this labeling has not been approved by FDA. For further information about unapproved drugs, click here.

Ketoconazole

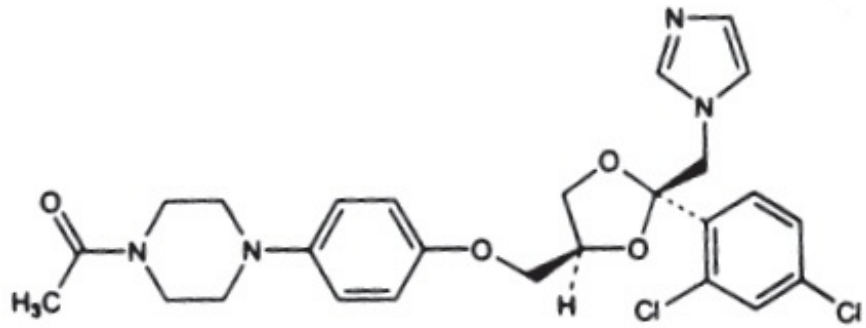
Cream, 2%

Rx only

DESCRIPTION

Ketoconazole cream, 2% contains the broad-spectrum synthetic antifungal agent, ketoconazole 2%, formulated in an aqueous cream vehicle consisting of butylated hydroxyanisole (BHA), cetyl alcohol, isopropyl myristate, polysorbate 60, polysorbate 80, propylene glycol, purified water, sorbitan monostearate and stearyl alcohol.

Ketoconazole is *cis*-1-acetyl-4-[4-[[2-(2,4-dichlorophenyl)-2-(1 *H*-imidazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl] piperazine and has the following structural formula:



Molecular Formula: $C_{26}H_{28}Cl_2N_4O_4$

Molecular Weight: 531.43

CLINICAL PHARMACOLOGY

When ketoconazole cream, 2% was applied dermally to intact or abraded skin of beagle dogs for 28 consecutive days at a dose of 80 mg, there were no detectable plasma levels using an assay method having a lower detection limit of 2 ng/mL.

After a single topical application to the chest, back and arms of normal volunteers, systemic absorption of ketoconazole was not detected at the 5 ng/mL level in blood over a 72-hour period.

Two dermal irritancy studies, a human sensitization test, a phototoxicity study and a photoallergy study conducted in 38 male and 62 female volunteers showed no contact

sensitization of the delayed hypersensitivity type, no irritation, no phototoxicity and no photoallergenic potential due to ketoconazole cream, 2%.

Microbiology

Ketoconazole is a broad spectrum synthetic antifungal agent which inhibits the *in vitro* growth of the following common dermatophytes and yeasts by altering the permeability of the cell membrane: dermatophytes: *Trichophyton rubrum, T. mentagrophytes, T. tonsurans, Microsporum canis, M. audouini, M. gypseum* and *Epidermophyton floccosum; yeasts: Candida albicans, Malassezia ovale (Pityrosporum ovale)* and *C. tropicalis;* and the organism responsible for tinea versicolor, *Malassezia furfur (Pityrosporum orbiculare).* Only those organisms listed in the **INDICATIONS AND USAGE** section have been proven to be clinically affected. Development of resistance to ketoconazole has not been reported.

Mode of Action

In vitro studies suggest that ketoconazole impairs the synthesis of ergosterol, which is a vital component of fungal cell membranes. It is postulated that the therapeutic effect of ketoconazole in seborrheic dermatitis is due to the reduction of M. ovale, but this has not been proven.

INDICATIONS AND USAGE

Ketoconazole cream, 2% is indicated for the topical treatment of tinea corporis, tinea cruris and tinea pedis caused by *Trichophyton rubrum, T. mentagrophytes* and *Epidermophyton floccosum;* in the treatment of tinea (pityriasis) versicolor caused by *Malassezia furfur (Pityrosporum orbiculare);* in the treatment of cutaneous candidiasis caused by *Candida spp.* and in the treatment of seborrheic dermatitis.

CONTRAINDICATIONS

Ketoconazole cream, 2% is contraindicated in persons who have shown hypersensitivity to the active or excipient ingredients of this formulation.

WARNINGS

Ketoconazole cream, 2% is not for ophthalmic use.

PRECAUTIONS

General

If a reaction suggesting sensitivity or chemical irritation should occur, use of the medication should be discontinued. Hepatitis (1:10,000 reported incidence) and, at high doses, lowered testosterone and ACTH induced corticosteroid serum levels have been seen with orally administered ketoconazole; these effects have not been seen with topical ketoconazole.

Carcinogenesis, Mutagenesis, Impairment of Fertility

A long-term feeding study in Swiss Albino mice and in Wistar rats showed no evidence of oncogenic activity. The dominant lethal mutation test in male and female mice revealed that single oral doses of ketoconazole as high as 80 mg/kg produced no mutation in any stage of germ cell development. The Ames' *salmonella* microsomal activator assay was also negative.

Pregnancy

Teratogenic effects

Pregnancy Category C

Ketoconazole has been shown to be teratogenic (syndactylia and oligodactylia) in the rat when given orally in the diet at 80 mg/kg/day, (10 times the maximum recommended human oral dose). However, these effects may be related to maternal toxicity, which was seen at this and higher dose levels.

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

Nursing Mothers

It is not known whether Ketoconazole cream, 2% administered topically could result in sufficient systemic absorption to produce detectable quantities in breast milk. Nevertheless, a decision should be made whether to discontinue nursing or discontinue the drug, taking into account the importance of the drug to the mother.

Pediatric Use

Safety and effectiveness in children have not been established.

ADVERSE REACTIONS

During clinical trials 45 (5.0%) of 905 patients treated with ketoconazole cream, 2% and 5 (2.4%) of 208 patients treated with placebo reported side effects consisting mainly of severe irritation, pruritus and stinging. One of the patients treated with ketoconazole cream developed a painful allergic reaction.

In worldwide postmarketing experience, rare reports of contact dermatitis have been associated with ketoconazole cream or one of its excipients, namely propylene glycol.

DOSAGE AND ADMINISTRATION

Cutaneous candidiasis, tinea corporis, tinea cruris, tinea pedis, and tinea (pityriasis) versicolor

It is recommended that ketoconazole cream, 2% be applied once daily to cover the affected and immediate surrounding area. Clinical improvement may be seen fairly soon after treatment is begun; however, candidal infections and tinea cruris and corporis

should be treated for two weeks in order to reduce the possibility of recurrence.

Patients with tinea versicolor usually require two weeks of treatment. Patients with tinea pedis require six weeks of treatment.

Seborrheic dermatitis

Ketoconazole cream, 2% should be applied to the affected area twice daily for four weeks or until clinical clearing.

If a patient shows no clinical improvement after the treatment period, the diagnosis should be redetermined.

HOW SUPPLIED

Ketoconazole cream, 2% is supplied in 15 g (NDC 51672-1298-1).

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

Mfd. by: Taro Pharmaceuticals Inc., Brampton, Ontario, Canada L6T 1C1
Dist. by: **Taro Pharmaceuticals U.S.A., Inc.**, Hawthorne, NY 10532

Revised: March, 2014

PK-2925-4
354

Drug Facts

Active Ingredient

Miconazole Nitrate 2% USP

Purpose

Antifungal

USES

Cures most athlete's foot (tinea pedis) and ringworm (tinea corporis)

for effective relief of itchy,scaly skin between the toes.

Warnings

For extenal use only

WHEN USING THIS PRODUCT

Avoid contact with the eyes.

If irritation occurs or if there is no improvement within 4 weeks, discontinue use and consult a doctor.

Flammable

Do not use while smoking or near heat or flame

DO NOT USE

On children under 2 years of age unless directed by a doctor

KEEP OUT OF REACH OF CHILDREN

If swallowed, get medical help or contact a Poison Control Center right away .

DIRECTIONS

clean the affected area and dry thoroughly
apply a thin layer of the product over affected area twice daily (morning and night) or as directed by a doctor
supervise children in the use of this product
for athlete’s foot: pay special attention to spaces between toes; wear well-fitting, ventilated shoes and change shoes and socks at least once daily
for athlete’s foot and ringworm, use daily for 4 weeks
if condition persists longer, consult a doctor
this product is not effective on scalp or nails.

OTHER INFORMATION

store at controlled room temperature 15 o-30 oC (59 o-86 oF)

INACTIVE INGREDIENTS

acetic acid, benzyl alcohol, isopropyl alcohol (30%), laureth-4, water

QUESTIONS OR COMMENTS

1-800-321-4576 or visit www.pedinol.com

PedizolPAK

Contents:

NDC 0884-0293-01

1- Pedinol Topical Antifungal 1 fl. oz. (29.57 mL)

NDC 51672-1298-1

1- Ketoconazole Cream 2% 15g

1- Foot File (with extra pads)

6- Nail Files

Ketoconazole 15g
NDC 51672-1298-1

NDC 51672-1298-1

15 g

Ketoconazole

Cream 2%

FOR DERMATOLOGIC USE ONLY.

NOT FOR OPHTHALMIC USE.

Rx only

Keep this and all medications out of the reach of children.

TARO

Fungoid Tincture – 1 fl. oz. (29.57 mL) Carton
NDC 0884-0293-01

PedizolPAK
NDC 70859-053-01

PEDIZOLPAK

ketoconazole,miconazole nitrate kit

Product Information			
Product Type	HUMAN PRESCRIPTION DRUG	**Item Code (Source)**	NDC:70859-053

Packaging				
#	**Item Code**	**Package Description**	**Marketing Start Date**	**Marketing End Date**
1	NDC:70859-053-01	1 in 1 CARTON	09/26/2019	

Quantity of Parts		
Part #	**Package Quantity**	**Total Product Quantity**
Part 1	1 TUBE	15 g
Part 2	1 BOTTLE, WITH APPLICATOR	29.57 mL

Part 1 of 2

KETOCONAZOLE

ketoconazole cream

Product Information

Item Code (Source)	NDC:51672-1298
Route of Administration	TOPICAL

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
KETOCONAZOLE (UNII: R9400W927I) (KETOCONAZOLE - UNII:R9400W927I)	KETOCONAZOLE	20 mg in 1 g

Inactive Ingredients

Ingredient Name	Strength
WATER (UNII: 059QF0KO0R)	
STEARYL ALCOHOL (UNII: 2KR89I4H1Y)	
BUTYLATED HYDROXYANISOLE (UNII: REK4960K2U)	
ISOPROPYL MYRISTATE (UNII: 0RE8K4LNJS)	
POLYSORBATE 60 (UNII: CAL22UVI4M)	
SORBITAN MONOSTEARATE (UNII: NVZ4I0H58X)	
CETYL ALCOHOL (UNII: 936JST6JCN)	
POLYSORBATE 80 (UNII: 6OZP39ZG8H)	
PROPYLENE GLYCOL (UNII: 6DC9Q167V3)	

Product Characteristics

Color	white ((White to off-white))	**Score**	
Shape		**Size**	
Flavor		**Imprint Code**	
Contains			

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:51672-1298-1	1 in 1 CARTON		
1		15 g in 1 TUBE; Type 0: Not a Combination Product		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA075638	12/18/2002	

Part 2 of 2

FUNGOID TINCTURE

miconazole nitrate tincture

Product Information

Item Code (Source)	NDC:0884-0293
Route of Administration	TOPICAL

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
MICONAZOLE NITRATE (UNII: VW4H1CYW1K) (MICONAZOLE - UNII:7NNO0D7S5M)	MICONAZOLE NITRATE	20 mg in 1 mL

Inactive Ingredients

Ingredient Name	Strength
ACETIC ACID (UNII: Q40Q9N063P)	
ISOPROPYL ALCOHOL (UNII: ND2M416302)	
WATER (UNII: 059QF0KO0R)	
LAURETH-4 (UNII: 6HQ855798J)	
BENZYL ALCOHOL (UNII: LKG8494WBH)	

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:0884-0293-01	1 in 1 CARTON		
1		29.57 mL in 1 BOTTLE, WITH APPLICATOR; Type 0: Not a Combination Product		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
OTC monograph final	part333C	01/01/1994	

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
unapproved drug other		12/18/2002	

Labeler - NuCare Pharmaceuticals,Inc. (010632300)

Establishment

Name	Address	ID/FEI	Business Operations
NuCare Pharmaceuticals,Inc.		010632300	manufacture(70859-053)

Revised: 7/2021

NuCare Pharmaceuticals,Inc.