

USES: Severe recalcitrant nodulocystic acne

CONTRAINDICATIONS: Hypersensitivity to this product, parabens, retinoids, inflamed skin, blood donation

Black Box Warning: Pregnancy

DOSAGE AND ROUTES

• **Adult: PO** 0.5-2 mg/kg/day in 2 divided doses × 15-20 wk; if relapse occurs, repeat after 2 mo off product

itraconazole (Rx)

(it-ra-con'a-zol)

Onmel, Sporanox

Func. class.: Antifungal, systemic

Chem. class.: Triazole derivative

ACTION: Alters cell membranes; inhibits several fungal enzymes

USES: Histoplasmosis, blastomycosis (pulmonary and extrapulmonary), aspergillosis, onychomycosis of toenail/fingernail

Unlabeled uses: Dermatomycosis, histoplasmosis, chromoblastomycosis, coccidioidomycosis, pityriasis versicolor, seborrheic dermatitis, vaginal candidiasis, cryptococcus, subcutaneous mycoses, dimorphic infections, fungal keratitis, zygomycosis, superficial mycoses (dermatophytosis), chronic mucocutaneous candidiasis

CONTRAINDICATIONS: Hypersensitivity, fungal meningitis; onychomycosis or dermatomycosis with cardiac dysfunction, in pregnant women

Black Box Warning: Heart failure, ventricular dysfunction, coadministration with other products

Precautions: Pregnancy, breastfeeding, children, cardiac/renal/hepatic disease, achlorhydria or hypochlorhydria (product-induced), dialysis, hearing loss, cystic fibrosis neuropathy

DOSAGE AND ROUTES

• **Adult: PO** 200 mg/day with food; may increase to 200 mg bid if needed; life-threatening infections may require a loading dose of 200 mg tid × 3 days

Available forms: Caps 100 mg; oral sol 10 mg/mL; tab 200 mg

Administer:

• In the presence of acid products only; do not use alkaline products, antacids within 2 hr of product; may give coffee, tea, acidic fruit juices

PO route

- Swallow caps whole; do not break, crush, or chew caps
- Give caps after full meal to ensure absorption
- Oral sol: patient should swish in mouth vigorously, use on empty stomach
- Oral sol and caps are not interchangeable on mg/mg basis
- Store in tight container at room temperature, do not freeze

SIDE EFFECTS

CNS: *Headache, dizziness*, insomnia, somnolence, depression

CV: Hypertension, HF

GI: *Nausea, vomiting, anorexia, diarrhea, cramps, abdominal pain, flatulence, GI bleeding, hepatotoxicity*

GU: Gynecomastia, impotence, decreased libido

INTEG: *Pruritus*, fever, *rash, toxic epidermal necrolysis, Stevens-Johnson syndrome*

MISC: *Edema, fatigue*, malaise, hypokalemia, tinnitus, *rhabdomyolysis*

RESP: Rhinitis, sinusitis, upper respiratory infection, pulmonary edema

PHARMACOKINETICS

PO: Peak 3-4 hr; half-life 21 hr, IV 35.4 hr; metabolized in liver; excreted in bile, feces, urine 40%; requires acid pH for absorption; distributed poorly to CSF; 99.8% protein bound; inhibits CYP3A4

INTERACTIONS

• **Life-threatening CV reactions**—*pimozide, quinidine, dofetilide, levomethadyl, dronedarone*