

Flutialfa 400 Tablet

Fluconazole 400mg Tablet Information

Generic Name: Fluconazole

Strength: 400mg

Form: Tablet

Therapeutic Class: Antifungal Agent (Triazole Class)

Description

Fluconazole is a broad-spectrum antifungal medication that inhibits the synthesis of ergosterol, an essential component of fungal cell membranes. This leads to increased membrane permeability and ultimately the death of the fungal cell.

Indications

Fluconazole 400mg tablets are indicated for the treatment and management of:

- **Systemic and severe fungal infections:** Including candidemia and disseminated candidiasis.
 - **Cryptococcal meningitis:** Particularly in immunocompromised patients, such as those with HIV/AIDS.
 - **Invasive candidiasis:** In the peritoneum, endocardium, or urinary tract.
 - **Prophylaxis:** Prevention of fungal infections in patients undergoing bone marrow transplants or chemotherapy.
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Dosage and Administration

- **Adults:** The usual dose is 400mg once daily, depending on the infection being treated.
- **Cryptococcal Meningitis:** A loading dose of 400mg on the first day, followed by 200-400mg daily.
- **Candidemia/Disseminated Candidiasis:** 400mg once daily, adjusted based on clinical response.
- **Prophylaxis:** 400mg daily in at-risk immunocompromised patients.
- **Duration of Treatment:** Varies based on the type and severity of the infection. Follow your healthcare provider's instructions.

Note: Adjust dose in patients with renal impairment.

Contraindications

- **Hypersensitivity** to fluconazole or other azole antifungal agents.
 - **Concomitant use** with certain medications, such as terfenadine or cisapride, due to risk of QT prolongation.
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Precautions

- **Use with caution** in patients with liver dysfunction, as fluconazole is metabolized by the liver.
- **Monitor** for signs of hepatotoxicity, particularly in prolonged treatment.
- **Adjust dose** in patients with renal impairment.

- **Prolonged use may lead to secondary fungal or bacterial infections.**
 - **Pregnancy Category C: Avoid use unless the benefit outweighs the risk, particularly in the first trimester.**
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Side Effects

Common side effects:

- **Headache**
- **Nausea**
- **Abdominal pain**
- **Diarrhea**

Serious but rare side effects:

- **Hepatotoxicity (jaundice, elevated liver enzymes)**
 - **QT prolongation and arrhythmias**
 - **Severe allergic reactions (rash, anaphylaxis)**
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Drug Interactions

- **Increased plasma concentrations of fluconazole with CYP3A4 inhibitors (e.g., erythromycin, ketoconazole).**
 - **Potential for QT prolongation with cisapride, terfenadine, or pimozide.**
 - **May potentiate the effects of anticoagulants (e.g., warfarin).**
 - **Reduces clearance of drugs like phenytoin, cyclosporine, and tacrolimus.**
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Storage Instructions

- **Store at room temperature (15-30°C).**
 - **Protect from light and moisture.**
 - **Keep out of reach of children.**
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Additional Notes

- **Ensure adherence to the prescribed duration, even if symptoms improve early, to prevent resistance or relapse.**
- **Regular monitoring of liver and renal function is advised during prolonged therapy.**
- **Seek immediate medical attention if severe side effects or allergic reactions occur.**

Always use under the supervision of a healthcare provider.

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