

# Flutialfa 400 Tablet

## Fluconazole 400mg Tablet Information

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**Generic Name:** Fluconazole

**Strength:** 400mg

**Form:** Tablet

**Therapeutic Class:** Antifungal Agent (Triazole Class)

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### 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.

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### 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.

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### 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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