

Nimoplit MD Tablet

Nimesulide (100mg) MD Tablet

Description

Nimesulide (100mg) MD Tablet is a nonsteroidal anti-inflammatory drug (NSAID) that is used to reduce inflammation, pain, and fever. It is a modified-release formulation (MD) designed to release the active ingredient nimesulide gradually, providing prolonged relief from pain and inflammation. Nimesulide works by inhibiting the production of prostaglandins, chemicals in the body responsible for causing inflammation and pain.

Composition

Each tablet contains:

- **Nimesulide: 100mg**
 - **Excipients:** (as per formulation, includes binders, stabilizers, and modified-release components)
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Indications

Nimesulide (100mg) MD Tablet is primarily indicated for:

- **Acute pain** (such as musculoskeletal pain, dental pain, post-surgical pain, and headache).
 - **Chronic inflammatory conditions**, such as osteoarthritis and rheumatoid arthritis.
 - **Fever** (as an adjunct to antipyretic therapy in certain cases).
 - **Dysmenorrhea** (pain associated with menstruation).
 - **Other conditions** involving mild to moderate pain with an inflammatory component.
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Mechanism of Action

Nimesulide acts as a COX-2 selective inhibitor (Cyclooxygenase-2), which inhibits the enzyme responsible for the production of prostaglandins. By reducing prostaglandin production, Nimesulide effectively lowers inflammation and pain in the affected tissues. The MD (modified-release) formulation ensures that the medication is released gradually, leading to sustained therapeutic effects over time.

Dosage and Administration

- **Adults:**
The usual recommended dose is 1 tablet (100 mg) taken once daily after food. It is important to take the tablet with food to minimize gastrointestinal irritation.
 - **Children (12 years and older):**
The typical dose is 1 tablet (100 mg) once daily, taken after food. However, dosage adjustments should be made based on individual health conditions and physician recommendations.
 - **Elderly or patients with impaired renal or hepatic function:**
Dose adjustments may be required. Lower doses or a less frequent dose schedule should be considered in patients with renal or hepatic impairment. It is recommended to consult with a healthcare provider before initiating therapy.
 - **Administration:**
Swallow the tablet whole with a glass of water. Do not crush, chew, or break the tablet.
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Contraindications

- **Hypersensitivity** to Nimesulide, other NSAIDs, or any component of the formulation.

- Active gastrointestinal bleeding, peptic ulcer disease, or history of gastrointestinal bleeding or ulcers.
- Severe liver dysfunction (e.g., cirrhosis, active liver disease).
- Severe kidney impairment or renal failure.
- Pregnancy (especially in the third trimester) and breastfeeding.
- Children under 12 years (safety and efficacy not established).

Warnings and Precautions

- **Gastrointestinal Risk:** Nimesulide may cause gastric irritation, ulceration, or bleeding. It is advisable to use the lowest effective dose for the shortest duration necessary to manage the condition. Monitor for signs of gastrointestinal distress, especially in those with a history of peptic ulcers or gastrointestinal bleeding.
- **Renal Function:** Caution should be exercised when administering Nimesulide to patients with renal impairment as NSAIDs can lead to fluid retention and worsen kidney function.
- **Hepatic Function:** Liver function should be monitored periodically during treatment, particularly in patients with existing liver disease or who have a history of liver dysfunction.
- **Cardiovascular Risk:** Long-term use of NSAIDs can increase the risk of cardiovascular events, such as heart attack and stroke. Patients with a history of cardiovascular disease or risk factors should be monitored closely.
- **Allergic Reactions:** Hypersensitivity reactions, such as rash, angioedema, and bronchospasm, may occur. In case of any allergic symptoms, the medication should be discontinued immediately.

Side Effects

Common side effects may include:

- **Gastrointestinal:** Nausea, dyspepsia (indigestion), abdominal pain, diarrhea, or constipation.
- **Central Nervous System:** Headache, dizziness, or somnolence (drowsiness).
- **Dermatological:** Rash, itching, or urticaria (hives).
- **Other:** Swelling (edema), fluid retention, and weight gain.

Serious side effects (rare) include:

- Liver damage, with symptoms such as jaundice (yellowing of the skin/eyes), dark urine, and upper abdominal pain.
- Gastrointestinal bleeding or perforation (manifesting as black stools, vomit resembling coffee grounds, or severe abdominal pain).
- Severe allergic reactions, including anaphylaxis, swelling of the face or throat, or difficulty breathing.
- Renal failure or changes in urine output.

Drug Interactions

- **Anticoagulants:** NSAIDs like Nimesulide may increase the risk of bleeding when taken with warfarin or other anticoagulants.
- **Antihypertensives and Diuretics:** Nimesulide may reduce the effectiveness of certain antihypertensive drugs and diuretics.
- **Lithium:** Concomitant use may increase lithium levels, leading to toxicity.
- **Corticosteroids:** Increased risk of gastrointestinal ulcers and bleeding when combined with corticosteroids.
- **Other NSAIDs:** Avoid simultaneous use of other NSAIDs or corticosteroids, as it may increase the risk of gastric side effects.

Storage Instructions

- Store the tablets at room temperature (15°C to 30°C).
- Keep the tablets in their original packaging to protect from moisture and light.
- Keep out of the reach of children.

Presentation

- **Form: Modified Release (MD) Tablet**
 - **Strength: 100 mg**
 - **Pack Size: Available in 10 tablets, 20 tablets, or 30 tablets per pack.**
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Conclusion

Nimesulide (100mg) MD Tablet is an effective treatment for managing pain and inflammation associated with various conditions. Its modified-release formulation ensures sustained therapeutic effects over time, making it convenient for patients needing long-lasting pain relief. However, it should be used with caution, particularly in patients with underlying gastrointestinal, liver, or kidney conditions. Always follow the prescribed dosage and consult with a healthcare provider before starting treatment.

Manufactured in India for:



Cafoli Lifecare Pvt. Ltd.

(An ISO 9001: 2015 Certified Co.)

Plot no.: 367-FF, Industrial Area Phase-I,
Panchkula-134113

TM: Trademark Applied for