

Mefasil suspension

Mefenamic Acid (100mg/5ml) Suspension

Description

Mefenamic Acid (100mg/5ml) Suspension is a nonsteroidal anti-inflammatory drug (NSAID) used to relieve mild to moderate pain and reduce inflammation. It is commonly used in the treatment of conditions such as dysmenorrhea (painful menstruation), osteoarthritis, rheumatoid arthritis, and other pain-related conditions. Mefenamic acid works by inhibiting cyclooxygenase (COX) enzymes, thereby reducing the production of prostaglandins, substances that cause pain, inflammation, and fever.

Composition

Each 5 ml of Mefenamic Acid Suspension contains:

- Mefenamic Acid: 100 mg
 - Excipients: Water, sorbitol, glycerin, flavoring agents, preservatives, and other pharmaceutical ingredients to maintain suspension consistency.
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Indications

Mefenamic Acid Suspension is indicated for the relief of:

- Pain associated with dysmenorrhea (painful menstruation)
- Osteoarthritis and rheumatoid arthritis
- Musculoskeletal pain
- Mild to moderate pain including headaches, toothaches, and post-operative pain

- Inflammation associated with various conditions
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Mechanism of Action

Mefenamic acid exerts its action by inhibiting the enzyme cyclooxygenase (COX-1 and COX-2), which plays a central role in the synthesis of prostaglandins. Prostaglandins are chemicals in the body that mediate inflammation, pain, and fever. By blocking COX enzymes, mefenamic acid reduces the production of prostaglandins, thus providing relief from pain and inflammation.

Dosage and Administration

- Adult Dosage:
 - For acute pain or dysmenorrhea: Take 10 ml (200 mg) initially, followed by 5 ml (100 mg) every 6 hours as needed. The maximum recommended daily dose is 30 ml (600 mg).
 - For chronic conditions like arthritis: Dosage may vary based on medical advice; typically, 5 ml (100 mg) three times daily.
 - Do not exceed the recommended dose to avoid adverse effects.
- Pediatric Dosage:
 - For children aged 12 years and older: Follow adult dosage guidelines.
 - For younger children, use only under medical supervision, as dosing will depend on the child's weight and age. Consult a healthcare provider before use in pediatric patients.
- Administration:
 - Shake the bottle well before each use to ensure uniform suspension.

- Take the suspension orally with or without food.
- If stomach upset occurs, take with food or milk.

breast milk, so consult a doctor before using it during breastfeeding.

Contraindications

Mefenamic Acid Suspension is contraindicated in patients with:

- Hypersensitivity to mefenamic acid or any other NSAIDs.
- Active peptic ulcer disease or a history of gastrointestinal bleeding.
- Severe liver or kidney impairment.
- Pregnancy (especially in the third trimester) as it may cause premature closure of the fetal ductus arteriosus.
- Asthma or allergic reactions to NSAIDs.

Warnings and Precautions

- **Gastrointestinal Risk:** Like other NSAIDs, Mefenamic Acid can cause gastric ulceration, bleeding, and perforation. Use with caution in patients with a history of ulcers or gastrointestinal disorders.
- **Renal Impairment:** Use with caution in patients with kidney disease as NSAIDs can cause renal deterioration.
- **Cardiovascular Risk:** Long-term use of NSAIDs may increase the risk of heart attack or stroke, particularly in those with pre-existing cardiovascular conditions.
- **Liver Function:** Use with caution in patients with liver disease or impaired liver function, as mefenamic acid can affect liver enzyme levels.
- **Pregnancy and Lactation:** Not recommended during the third trimester of pregnancy due to potential harm to the fetus. Use during the first and second trimester only if the potential benefits justify the risks to the fetus. It is not known if mefenamic acid passes into

Side Effects

Common side effects may include:

- Nausea, vomiting, or indigestion
- Diarrhea or constipation
- Headache or dizziness
- Rash or skin reactions

Serious side effects (less common) may include:

- Gastrointestinal bleeding or ulceration
- Severe allergic reactions (e.g., swelling, rash, difficulty breathing)
- Liver damage (e.g., jaundice, dark urine, abnormal liver function tests)
- Kidney damage (e.g., decreased urine output, swelling)

If any severe reactions occur, discontinue use and seek immediate medical attention.

Drug Interactions

- **Anticoagulants (e.g., warfarin):** Use caution as NSAIDs can increase the risk of bleeding.
- **Other NSAIDs or corticosteroids:** Using multiple NSAIDs can increase the risk of gastrointestinal ulcers and bleeding.
- **Antihypertensive medications:** Mefenamic acid may reduce the effectiveness of certain blood pressure medications like ACE inhibitors, angiotensin receptor blockers, and diuretics.
- **Lithium:** Mefenamic acid may increase the serum levels of lithium, leading to toxicity.
- **Methotrexate:** Use of NSAIDs with methotrexate may increase the risk of methotrexate toxicity.

Always inform your doctor of all medications you are currently taking, including over-the-counter drugs and supplements.

Storage Instructions

- **Store at room temperature (15°C to 30°C).**
 - **Keep tightly closed and protected from moisture.**
 - **Keep out of the reach of children.**
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Presentation

- **Form: Oral suspension**
 - **Strength: 100 mg/5 ml**
 - **Pack Size: Available in 60 ml, 100 ml, or 200 ml bottles.**
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Conclusion

Mefenamic Acid (100mg/5ml) Suspension is an effective treatment option for pain and inflammation associated with various conditions, such as dysmenorrhea and arthritis. It provides rapid relief from discomfort and helps to reduce swelling and fever. However, it should be used with caution in patients with gastrointestinal, renal, or cardiovascular conditions. Always follow the prescribed dosage and consult a healthcare provider if you experience any adverse reactions or have concerns about its use.

Manufactured in India for:



Cafoli Lifecare Pvt. Ltd.

(An ISO 9001: 2015 Certified Co.)

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