

# Plomalix Capsule

## Polmacoxib (2mg) Capsule

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### Description

Polmacoxib is a selective cyclooxygenase-2 (COX-2) inhibitor, used primarily for the relief of pain and inflammation associated with conditions such as osteoarthritis and rheumatoid arthritis. It works by blocking the enzyme COX-2, which is responsible for producing inflammatory chemicals in the body, thereby reducing inflammation, swelling, and pain. Polmacoxib 2mg Capsule provides effective management of these conditions, offering a better safety profile compared to traditional nonsteroidal anti-inflammatory drugs (NSAIDs), particularly with regard to gastrointestinal side effects.

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### Composition

Each capsule contains:

- Polmacoxib – 2mg
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### Pharmacological Action

Polmacoxib selectively inhibits COX-2, an enzyme that is involved in the production of prostaglandins, which are chemical mediators of pain and inflammation. Unlike non-selective NSAIDs, which inhibit both COX-1 and COX-2 enzymes, Polmacoxib's selective inhibition reduces the risk of gastrointestinal adverse effects such as ulcers and bleeding. By targeting COX-2, Polmacoxib effectively reduces pain, swelling, and fever associated with inflammatory conditions while maintaining a better gastrointestinal safety profile.

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## Indications

Polmacoxib (2mg) is indicated for:

- **Osteoarthritis:** To manage pain and inflammation associated with degenerative joint disease.
  - **Rheumatoid Arthritis:** To reduce inflammation and improve joint function in individuals with rheumatoid arthritis.
  - **Acute Pain:** For the short-term treatment of acute pain, including pain following surgery or injury.
  - **Chronic Inflammatory Conditions:** To manage long-term pain and inflammation associated with inflammatory conditions.
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## Dosage and Administration

- **Adults:**
    - The typical starting dose is 1 capsule (2mg) once daily.
    - The dose may be adjusted by the healthcare provider based on the severity of the condition and individual patient response.
    - Do not exceed 2mg per day unless otherwise prescribed by a healthcare provider.
  - **Children:**
    - This product is not typically recommended for children under the age of 18.
  - **Administration:**
    - The capsule should be taken with or without food. It should be swallowed whole with a full glass of water.
    - Avoid crushing or chewing the capsule.
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## Contraindications

- **Hypersensitivity:** Known allergy to Polmacoxib or any component of the formulation.
  - **Active Peptic Ulcer Disease:** Individuals with active ulcers or gastrointestinal bleeding should not use Polmacoxib.
  - **Severe Renal Impairment:** Caution is advised in patients with significant kidney dysfunction.
  - **Pregnancy and Lactation:** Polmacoxib should be used in pregnancy or breastfeeding only if absolutely necessary and prescribed by a healthcare provider, especially during the third trimester due to potential effects on fetal development and milk excretion.
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- Nausea, abdominal pain, or indigestion
  - Diarrhea or constipation
  - Headache or dizziness
  - Swelling or edema (due to fluid retention)
  - **Serious Side Effects (rare):**
    - **Cardiovascular Events:** Chest pain, shortness of breath, or signs of heart attack or stroke.
    - **Gastrointestinal Bleeding:** Symptoms like black stools, vomiting blood, or severe stomach pain.
    - **Renal Dysfunction:** Decreased urine output, swelling of the legs or ankles, and unusual fatigue.
    - **Severe Allergic Reactions:** Rash, itching, or swelling, especially around the face, mouth, or throat.

## Warnings and Precautions

- **Cardiovascular Risk:** Like other COX-2 inhibitors, Polmacoxib may increase the risk of serious cardiovascular events such as heart attack, stroke, and blood clots. Use with caution in patients with a history of cardiovascular disease, hypertension, or those at risk for heart disease.
- **Gastrointestinal Risk:** Although selective COX-2 inhibitors have a lower risk of gastrointestinal bleeding compared to traditional NSAIDs, they may still cause stomach irritation or ulcers. Patients should be monitored for gastrointestinal symptoms.
- **Renal and Hepatic Function:** Caution is advised in patients with renal or liver impairment, and renal function should be monitored during prolonged use.
- **Elderly Population:** Older adults may be more sensitive to the effects of this drug, particularly with regard to kidney function, cardiovascular health, and gastrointestinal issues.

If any of the above serious side effects occur, immediately discontinue the medication and seek medical attention.

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## Drug Interactions

- **Antihypertensive Drugs:** Polmacoxib may reduce the effectiveness of certain blood pressure medications such as ACE inhibitors, angiotensin receptor blockers (ARBs), and diuretics.
- **Other NSAIDs:** Concurrent use with other NSAIDs or blood thinners (e.g., warfarin) may increase the risk of bleeding or other adverse effects.
- **Lithium:** Polmacoxib may increase the levels of lithium in the blood, leading to lithium toxicity.
- **Diuretics and Renal Function:** Patients taking diuretics or those with kidney impairment should be monitored closely.

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## Side Effects

- **Common Side Effects:**

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## Storage Instructions

- Store at room temperature, away from moisture and direct sunlight.

- **Keep out of reach of children.**
  - **Do not use beyond the expiration date mentioned on the label.**
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## **Presentation**

- **Form: Capsule**
  - **Pack Size: Available in blister packs of 10, 20, or 30 capsules.**
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## **Conclusion**

**Polmacoxib (2mg) Capsule is an effective and safer alternative for the management of pain and inflammation related to osteoarthritis, rheumatoid arthritis, and acute pain conditions. By selectively inhibiting COX-2, Polmacoxib provides targeted relief while minimizing gastrointestinal side effects, offering a well-tolerated option for long-term use. Always follow the prescribed dosage and consult a healthcare provider if you have any underlying medical conditions or are taking other medications to ensure safe use.**

Manufactured in India for:



**Cafoli Lifecare Pvt. Ltd.**

**(An ISO 9001: 2015 Certified Co.)**

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