

MELOXICAM meloxicam tablet
NuCare Pharmaceuticals, Inc.

HIGHLIGHTS OF PRESCRIBING INFORMATION
These highlights do not include all the information needed to use MELOXICAM TABLETS safely and effectively. See full prescribing information for MELOXICAM TABLETS.

INDICATIONS AND USAGE

WARNING: RISK OF SERIOUS CARDIOVASCULAR AND GASTROINTESTINAL EVENTS
See full prescribing information for complete boxed warning.
• **Nonsteroidal anti-inflammatory drugs (NSAIDs) cause an increased risk of serious cardiovascular thrombotic events, including myocardial infarction and stroke, which can be fatal. This risk may occur early in treatment and may increase with duration of use.**
• **NSAIDs are contraindicated in the setting of coronary artery bypass graft (CABG) surgery (4.3).**
• **NSAIDs cause an increased risk of serious gastrointestinal (GI) adverse events including bleeding, ulceration, and perforation of the stomach or intestine, which can be fatal. These events can occur at any time during use and without warning symptoms. Elderly patients and patients with a prior history of peptic ulcer disease and/or GI bleeding are at greater risk for serious GI events (5.2).**

HEALTHY ADULT CONSUMERS

Melexicam Tablets, 7.5 mg and 15 mg
Melexicam and Prelexicam, Cardiovascular Treatment, (tablets) 15.3
Melexicam and Prelexicam, Heart Failure and Pulmonary Hypertension (tablets) 15.3

INDICATIONS AND USAGE

Melexicam is a non-steroidal anti-inflammatory drug (NSAID).
• **Rheumatoid Arthritis (RA)**
• **Juvenile Rheumatoid Arthritis (JRA)** in patients 2 years of age and older (5.3)

DOSE AND ADMINISTRATION

Melexicam is indicated for the short-term duration consistent with individual treatment goals for the indicated patient.
• **RA**
• **JRA**

DOSE FORMS AND STRENGTHS

• Melexicam Tablets, 7.5 mg, 15 mg (3)

CONTRAINDICATIONS

• Known hypersensitivity to meloxicam or any component of the drug product (4)
• History of asthma, urticaria, or other allergic-type reactions after taking aspirin or other NSAIDs (4)
• In the setting of CABG surgery (4.3)

WARNINGS AND PRECAUTIONS

• **Cardiovascular Thrombotic Events**
• **GI Bleeding, Ulceration, and Perforation**
• **Hypertension**
• **Heart Failure and Edema**
• **Renal Toxicity and Impairment**
• **Respiratory Irritation**

ADVERSE REACTIONS

• Most common (≥1%) and greater than placebo adverse events include: diarrhea, upper respiratory tract infections, headache, dizziness, nausea, vomiting, and constipation (5.1)

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**
• **USDA**

HOW SUPPLIED/STORAGE AND HANDLING

• **Storage**
• **Controlled Substance**

The relative increase in serious CV thrombotic events over baseline conferred by NSAID use appears to be similar in those with and without known CV disease or risk factors for CV disease. However, patients with known CV disease or risk factors had a higher absolute incidence of excess serious CV thrombotic events, due to their increased baseline risk. Some observational studies found that the increased risk of serious CV thrombotic events began as early as the first week of treatment. The increase in CV thrombotic risk has been observed most consistently at higher doses.

To minimize the potential risk for an adverse CV event in NSAID-treated patients, use the lowest effective dose for the shortest duration possible. Physicians and patients should remain alert for the development of such events, throughout the entire treatment course, even in the absence of previous CV symptoms. Patients should be informed about the symptoms of serious CV events and the steps to take if they occur.

There is no consistent evidence that concurrent use of aspirin mitigates the increased risk of serious CV thrombotic events associated with NSAID use. The concurrent use of aspirin and an NSAID, such as meloxicam, increases the risk of serious gastrointestinal (GI) events [see Warnings and Precautions (5.2)].

See Full Prescribing Information for COX-2 Selective NSAIDs

Two large, controlled clinical trials of a COX-2 selective NSAID for the treatment of pain in the first 14 weeks following CABG surgery found an increased incidence of myocardial infarction and stroke. NSAIDs are contraindicated in the setting of CABG [see Contraindications (4)].

Diarrhea/Pain

Observational studies conducted in the Danish National Registry have demonstrated that patients treated with NSAIDs in the post-operative period were at increased risk of reoperation, CV-related death, and all-cause mortality beginning in the first week of treatment. In this same cohort, the incidence of death in the first year post-MI was 29 per 100 person years in NSAID-treated patients compared to 32 per 100 person years in non-NSAID-treated patients. Although the absolute risk of death doubled compared after the first year post-MI, the relative relative risk of death in NSAID users persisted over at least the next four years of follow-up.

Avoid the use of meloxicam in patients with a recent MI unless the benefits are expected to outweigh the risk of recurrent CV thrombotic events. If meloxicam is used in patients with a recent MI, monitor patients for signs of cardiac ischemia.

5.2 Gastrointestinal Bleeding, Ulceration, and Perforation

NSAIDs, including meloxicam, can cause serious gastrointestinal (GI) adverse events including inflammation, bleeding, ulceration, and perforation of the esophagus, stomach, and small intestine, which can be fatal. These serious adverse events can occur at any time during treatment with NSAIDs, but they are more likely to occur in patients who develop a serious upper GI adverse event on NSAID monotherapy. Upper GI events, gross bleeding, or perforation associated with NSAIDs occurred in approximately 1% of patients treated for 3-6 months, and in about 2-4% of patients treated for one year. However, even short-term NSAID therapy is not without risk.

Risk Factors for GI Bleeding, Ulceration, and Perforation

Patients with a prior history of peptic ulcer disease and/or GI bleeding who used NSAIDs had a greater than 10-fold increased risk for developing a bleed (compared to patients without these risk factors). Other factors that increase the risk of GI bleeding in patients treated with NSAIDs include concomitant use of aspirin, oral anticoagulants, or antiplatelet agents, corticosteroids, aspirin, anticoagulants, or selective serotonin reuptake inhibitors (SSRIs), concomitant use of alcohol, older age, and poor general health status. Most postmarketing reports of fatal GI events occurred in elderly or debilitated patients. Additionally, patients with advanced liver disease and/or coagulopathy are at increased risk for GI bleeding.

Strategies to minimize the GI risks in NSAID-treated patients:

- Use the lowest effective dosage for the shortest possible duration.
- Avoid administration of more than one NSAID at a time.
- Avoid use in patients at higher risk unless benefits are expected to outweigh the increased risk of bleeding. For such patients, as well as those with active GI bleeding, consider alternate therapies other than NSAIDs.
- Remain alert for signs and symptoms of GI ulceration and bleeding during NSAID therapy.
- If a serious GI adverse event is suspected, promptly initiate evaluation and treatment, and discontinue meloxicam until a serious GI adverse event is ruled out.
- In the setting of concomitant use of low-dose aspirin for cardiac prophylaxis, monitor patients more closely for evidence of GI bleeding [see Drug Interactions (7)].

5.3 Hepatotoxicity

Elevations of ALT or AST (three or more times the upper limit of normal [ULN]) have been reported in approximately 1% of NSAID-treated patients in clinical trials. In addition, rare, sometimes fatal, cases of severe hepatic injury, including fulminant hepatitis, liver necrosis, and hepatic failure, have been reported.

Elevations of ALT or AST (as fast three times [3X] may occur in up to 15% of patients treated with NSAIDs including meloxicam.

Inform patients of the warning signs and symptoms of hepatotoxicity (e.g., anorexia, fatigue, lethargy, darkening of urine, pruritus, jaundice, right upper quadrant tenderness, and "flu-like" symptoms). If clinical signs and symptoms consistent with liver disease develop, or if abnormal manifestations occur (e.g., esophagitis, rash, etc.), discontinue meloxicam immediately, and perform a clinical evaluation of the patient [see Use in Specific Populations (8.6) and Clinical Pharmacology (12.3)].

5.4 Hypertension

NSAIDs, including meloxicam, can lead to new onset or worsening of preexisting hypertension, either of which may contribute to the increased incidence of CV events. Patients taking angiotensin converting enzyme (ACE) inhibitors, thiazide diuretics, or loop diuretics may have impaired response to these therapies when taking NSAIDs [see Drug Interactions (7)].

Monitor blood pressure (BP) during the initiation of NSAID treatment and throughout the course of therapy.

5.5 Heart Failure and Edema

The COX-2 and traditional NSAID Trials' Collaboration meta-analysis of randomized controlled trials demonstrated an approximate two-fold increase in hospitalizations for heart failure in COX-2 selective-treated patients, and nonselective NSAID-treated patients compared to placebo-treated patients. In a Danish National Registry study of patients with heart failure, NSAID use increased the risk of MI, hospitalization for heart failure, and death.

Additionally, fluid retention and edema have been observed in some patients treated with NSAIDs. Use of meloxicam may blunt the CV effects of several therapeutic agents used to treat these medical conditions (e.g., diuretics, ACE inhibitors, or angiotensin receptor blockers [ARBs]) [see Drug Interactions (7)].

Avoid the use of meloxicam in patients with severe heart failure unless the benefits are expected to outweigh the risk of worsening heart failure. If meloxicam is used in patients with severe heart failure, monitor patients for signs of worsening heart failure.

5.6 Renal Toxicity and Hypokalemia

Renal Toxicity

Long-term administration of NSAIDs, including meloxicam, has resulted in renal papillary necrosis, renal insufficiency, acute renal failure, and other renal injury.

Renal toxicity has also been seen in patients in whom renal prostaglandins have a compensatory role in the maintenance of renal perfusion. In these patients, administration of NSAIDs may cause a dose-dependent reduction in prostaglandin formation and, secondarily, a renal blood flow, which may precipitate acute renal decompensation. Patients at greatest risk of this reaction are those with impaired renal function, dehydration, hypotension, heart failure, liver dysfunction, those taking diuretics and ACE inhibitors or ARBs, and the elderly. Discontinuation of NSAID therapy is usually followed by recovery in the pretreatment state.

The renal effects of meloxicam may hasten the progression of renal dysfunction in patients with preexisting renal disease. Because some meloxicam metabolites are excreted by the kidney, monitor patients for signs of worsening renal function.

Correct volume status in dehydrated or hypovolemic patients prior to initiating meloxicam. Monitor renal function in patients with renal or hepatic impairment, heart failure, dehydration, or hypotension during use of meloxicam [see Drug Interactions (7)].

No information is available from controlled clinical studies regarding the use of meloxicam in patients with advanced renal disease. Avoid the use of meloxicam in patients with advanced renal disease unless the benefits are expected to outweigh the risk of worsening renal function. If meloxicam is used in patients with advanced renal disease, monitor patients for signs of worsening renal function [see Clinical Pharmacology (12.3)].

Hypokalemia

Increases in serum potassium concentration, including hyperkalemia, have been reported with use of NSAIDs, even in some patients without renal impairment. In patients with normal renal function, these effects have been attributed to a hyporeninemic-hypoadrenergic state.

5.7 Anaphylactic Reactions

Idiosyncratic reactions have been associated with anaphylactic reactions in patients with and without known hypersensitivity to meloxicam and in patients with aspirin-sensitive asthma [see Contraindications (4) and Warnings and Precautions (5.8)].

Seek emergency help if an anaphylactic reaction occurs.

5.8 Exacerbation of Asthma Related to Aspirin Sensibility

A subpopulation of patients with asthma may have aspirin-sensitive asthma which may include chronic rhinosinusitis, complicated by nasal polyps; severe, potentially fatal bronchospasm; and/or intolerance to aspirin and other NSAIDs. Because cross-reactivity between aspirin and other NSAIDs has been reported in such aspirin-sensitive patients, meloxicam is contraindicated in patients with this form of aspirin sensitivity [see Contraindications (4)]. When meloxicam is used in patients with preexisting asthma (without known aspirin sensitivity), monitor patients for changes in the signs and symptoms of asthma.

5.9 Serious Skin Reactions

NSAIDs, including meloxicam, can cause serious skin adverse reactions such as exfoliative dermatitis, Stevens-Johnson Syndrome (SJS), and toxic epidermal necrolysis (TEN), which can be fatal. These serious events may occur without warning before patients about the signs and symptoms of serious skin reactions, and to discontinue the use of meloxicam at the first appearance of skin rash or any other sign of hypersensitivity. Meloxicam is contraindicated in patients with previous serious skin reactions to NSAIDs [see Contraindications (4)].

5.10 Premature Closure of Fetal Ductus Arteriosus

Meloxicam cannot be expected to substitute for corticosteroids or to treat corticosteroid insufficiency. Abrupt discontinuation of corticosteroids may lead to disease exacerbation. Study these patients on prolonged corticosteroid therapy if a decision is made to discontinue corticosteroids.

5.11 Hematologic Toxicity

Anemia has occurred in NSAID-treated patients. This may be due to occult or gross blood loss, fluid retention, or an incompletely described effect on erythropoiesis; if a patient treated with meloxicam has any signs or symptoms of anemia, monitor hemoglobin or hematocrit.

NSAIDs, including meloxicam, may increase the risk of bleeding events. Co-morbid conditions such as concomitant bleeding or concomitant use of warfarin, other anticoagulants, antiplatelet agents, aspirin, or aspirin esters increase the risk. Aspirin and serotonin norepinephrine reuptake inhibitors (SSRIs) may increase this risk. Monitor these patients for signs of bleeding [see Drug Interactions (7)].

5.12 Masking of Inflammation and Fever

The pharmacologic activity of meloxicam in reducing inflammation, and possibly fever, may diminish the utility of diagnostic signs in detecting infections.

5.13 Laboratory Monitoring

Because serious GI bleeding, hepatotoxicity, and renal injury can occur without warning symptoms or signs, consider monitoring patients on long-term NSAID treatment with a CBC and a chemistry profile periodically [see Warnings and Precautions (5.2, 5.3, 5.6)].

6 ADVERSE REACTIONS

The following adverse reactions are discussed in greater detail in other sections of the labeling:

- Cardiovascular Thrombotic Events [see Boxed Warning and Warnings and Precautions (5.1)]
- GI Bleeding, Ulceration, and Perforation [see Boxed Warning and Warnings and Precautions (5.2)]
- Hepatotoxicity [see Warnings and Precautions (5.3)]
- Hypertension [see Warnings and Precautions (5.4)]
- Heart Failure and Edema [see Warnings and Precautions (5.5)]
- Renal Toxicity and Hypokalemia [see Warnings and Precautions (5.6)]
- Anaphylactic Reactions [see Warnings and Precautions (5.7)]
- Serious Skin Reactions [see Warnings and Precautions (5.9)]
- Hematologic Toxicity [see Warnings and Precautions (5.11)]

6.1 Clinical Trial Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice. Adults.

Osteoarthritis and Rheumatoid Arthritis

The meloxicam Phase 2/3 clinical trial database includes 10,122 OA patients and 1012 RA patients treated with meloxicam 7.5 mg/day, 355 OA patients and 1251 RA patients treated with meloxicam 15 mg/day. Meloxicam in these doses was administered to 661 patients for at least 6 months and to 112 patients for at least one year. Approximately 10,500 of these patients were treated in four placebo- and/or active-controlled clinical trials and 235 of these patients were treated in two placebo- and/or active-controlled rheumatoid arthritis trials. Gastrointestinal (GI) adverse events were the most frequently reported adverse events in all treatment groups across meloxicam trials.

A 12-week multicenter, double-blind, randomized trial was conducted in patients with osteoarthritis of the knee or hip to compare the efficacy and safety of meloxicam with placebo and with an active control. Two 12-week multicenter, double-blind, randomized trials were conducted in patients with rheumatoid arthritis to compare the efficacy and safety of meloxicam with placebo.

Table 1a depicts adverse events that occurred in ≥2% of the meloxicam treatment groups in a 12-week placebo- and active-controlled osteoarthritis trial.

Table 1b depicts adverse events that occurred in ≥2% of the meloxicam treatment groups in two 12-week placebo-controlled rheumatoid arthritis trials.

Table 1a: Adverse Events (%) Occurring in ≥ 2% of Meloxicam Patients in a 12-Week Osteoarthritis Placebo- and Active-Controlled Trial

No. of Patients	Meloxicam 7.5 mg daily		Meloxicam 15 mg daily		Double-blind Active-Controlled	
	157	154	156	153	157	153
Gastrointestinal						
Abdominal pain	2.5	1.9	2.6	1.3		
Diarrhea	3.8	7.8	5.2	6.2		
Dyspepsia	4.5	4.5	4.5	6.5		
Nausea	4.5	3.2	3.2	3.9		
Flatulence	3.2	3.9	3.8	7.7		
Body as a Whole						
Accident household	1.9	4.5	3.2	2.6		
Edema ¹	2.5	1.9	4.5	1.3		
Fall	0.6	2.6	0.0	1.3		
Influenza-like symptoms	1.1	4.5	1.8	2.6		

8.4 Pediatric Use

The safety and effectiveness of meloxicam in pediatric (PA) patients from 17 to 17 years of age has been evaluated in two clinical trials (see Dosage and Administration (2.3), Adverse Reactions (6.3) and Clinical Studies (14.2)).

8.5 Geriatric Use

Elderly patients, compared to younger patients, are at greater risk for NSAID-associated serious cardiovascular, gastrointestinal, and/or renal adverse reactions. If the potential benefit for the elderly patient outweighs these potential risks, start dosing at the low end of the dosing range, and monitor patients for adverse effects (see Warnings and Precautions (5.3), (5.2), (5.3), (5.4), (5.5), (5.6), (5.7)).

8.6 Hepatic Impairment

No dose adjustment is necessary in patients with mild to moderate hepatic impairment. Patients with severe hepatic impairment have not been adequately studied. Since meloxicam is significantly metabolized in the liver and hepatotoxicity may occur, use meloxicam with caution in patients with hepatic impairment (see Warnings and Precautions (5.3) and Clinical Pharmacology (12.3)).

8.7 Renal Impairment

No dose adjustment is necessary in patients with mild to moderate renal impairment. Patients with severe renal impairment have not been studied. The use of meloxicam in subjects with severe renal impairment is not recommended in patients on hemodialysis; meloxicam should not exceed 7.5 mg per day. Meloxicam is not dialyzable (see Dosage and Administration (2.1) and Clinical Pharmacology (12.3)).

10 OVERDOSAGE

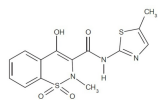
Symptoms following acute NSAID overdoses have been typically limited to lethargy, drowsiness, nausea, vomiting, and epigastric pain, which have been generally reversible with supportive care. Gastrointestinal bleeding has occurred. Hypertension, acute renal failure, respiratory depression, and coma have occurred, but were rare (see Warnings and Precautions (5.2), (5.3), (5.4), (5.6)).

Manage patients with symptomatic and supportive care following an NSAID overdose. There are no specific antidotes. Consider emesis and/or activated charcoal (50 to 100 grams in adults, 1 to 2 grams per kg of body weight in pediatric patients) and/or gastric lavage. Consider oral activated charcoal (50 to 100 grams) in patients with a single overdose (5 to 10 times the recommended dosage). Renal dialysis, alkalization of urine, hemodialysis, or hemoperfusion may not be useful due to high protein binding.

There is limited experience with meloxicam overdose. Cholestyramine is known to accelerate the clearance of meloxicam. Accelerated removal of meloxicam by 4 g oral doses of cholestyramine given three times a day was demonstrated in a clinical trial. Administration of Cholestyramine may be useful following an overdose. For additional information about overdose treatment, call a poison control center (1-800-222-1222).

11 DESCRIPTION

Meloxicam is a nonsteroidal anti-inflammatory drug (NSAID). Each tablet contains 7.5 mg or 15 mg meloxicam, USP for oral administration. Meloxicam is chemically designated as 6-fluoro-2-methyl-2-(methylthio)-2-(1,2,4-benzoxazol-5-yl)acetic acid, 1:1 dihydrate. The molecular weight is 351.4. Its empirical formula is $C_{14}H_{12}O_5S$ and it has the following structural formula:



Meloxicam is a pale yellow solid, practically insoluble in water, with higher solubility observed in strong acids and bases. Its very slightly soluble in methanol. Meloxicam has an aqueous solution with a pK_a of 4.2 (log P app = 0.1 in n-octanol/buffer pH 7.4). Meloxicam has pK_a values of 1.1 and 4.2.

Meloxicam is available as a tablet for oral administration containing 7.5 mg or 15 mg meloxicam, USP.

The inactive ingredients in meloxicam tablets, USP include starch, microcrystalline cellulose, lactose anhydrous, colloid silicon dioxide, sodium citrate dihydrate, magnesium stearate.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

Meloxicam has analgesic, anti-inflammatory, and antipyretic properties. The mechanism of action of meloxicam, like that of other NSAIDs, is not completely understood but involves inhibition of cyclooxygenase (COX-1 and COX-2). Meloxicam is a potent inhibitor of prostaglandin synthesis *in vitro*. Meloxicam concentrations reached during therapy have produced *in vivo* effects. Prostaglandin sensitive afferent nociceptors and modulate the action of bradykinin in inducing pain in experimental animals. Prostaglandins are mediators of inflammation. Because meloxicam is an inhibitor of prostaglandin synthesis, its mode of action may be due to a decrease of prostaglandin production.

12.2 Pharmacokinetics

Absorption

The absolute bioavailability of meloxicam capsule was 89% following a single oral dose of 30 mg compared with 50 mg IV bolus injection. Following single intravenous dose, dose-proportional pharmacokinetics of meloxicam capsules were shown in the range of 5 mg to 50 mg. After multiple oral doses the pharmacokinetics of meloxicam capsules were dose-proportional over the range of 7.5 mg to 15 mg. Mean $t_{1/2}$ was not achieved within four to five hours after a 7.5 mg meloxicam tablet was taken under fasted conditions, indicating a prolonged drug absorption. With multiple dosing, steady-state concentrations were reached by Day 5. A second meloxicam concentration peak occurs around 12 to 14 hours post-dose suggesting biliary recirculation.

Meloxicam capsules have been shown to be bioequivalent to meloxicam tablets.

Table 4 Single Dose and Steady-State Pharmacokinetic Parameters for Oral 7.5 mg and 15 mg Meloxicam (Mean and % CV) ¹

Pharmacokinetic Parameter (N=CV)	Steady State		Single Dose	
	7.5 mg 3 tablets	15 mg capsules	15 mg capsules	15 mg capsules
$t_{1/2}$ (h)	18	5	8	12
$t_{1/2}$ (h)	1.05 (20)	1.1 (20)	1.2 (24)	1.04 (20)
$t_{1/2}$ (h)	4.0 (8)	5.1 (21)	6.2 (27)	6.8 (55)
$t_{1/2}$ (h)	20.1 (20)	21.1 (20)	24.1 (24)	16.1 (20)
$t_{1/2}$ (h)	8.8 (20)	8.8 (20)	13.1 (22)	10.1 (24)
$t_{1/2}$ (h)	14.1 (20)	15.1 (20)	16.1 (24)	14.1 (20)

¹The parameter values in the table are from various studies but average the conditions.

² $t_{1/2}$ (h) (N=CV)

Food and Antacid Effects

Administration of meloxicam capsules following a high fat breakfast (75 g of fat resulted in mean peak drug levels (C_{max}) being increased to approximately 32% while the extent of absorption (AUC) was unchanged. The time to maximum concentration (T_{max}) was achieved between 5 and 6 hours. In comparison, neither the AUC nor the C_{max} values for meloxicam suspension were affected following a similar high fat meal, while mean $t_{1/2}$ values were increased approximately 70%. As an anti-inflammatory, meloxicam was evaluated with concurrent administration of aspirin. Based on these results, meloxicam can be administered without regard to timing of meals in these concurrent administration of aspirin.

Distribution

The mean volume of distribution (V_d) of meloxicam is approximately 10 L. Meloxicam is 99.4% bound to human plasma proteins, primarily albumin within the therapeutic dose range. The fraction of protein binding is independent of drug concentration, over the clinically relevant concentration range, but decreases to ~90% in patients with renal disease. Meloxicam penetration into human red blood cells, after oral dosing, is less than 10%. Following a radiolabeled dose, over 40% of the radiolabel detected in the plasma was present as unchanged meloxicam.

Meloxicam concentrations in synovial fluid, after a single oral dose, range from 40% to 50% of those in plasma. The free fraction in synovial fluid is 2.5 times higher than in plasma, due to the lower albumin content in synovial fluid as compared to plasma. The significance of this penetration is unknown.

Elimination

Metabolism

Meloxicam is extensively metabolized in the liver. Meloxicam metabolites include 5'-Carboxy meloxicam (60% of dose), from F-50 mediated metabolism formed by oxidation of an intermediate metabolite 5-hydroxyethyl meloxicam which also occurred to a lesser extent (3% of dose). *In vivo* studies indicate that CYP2C9 is the primary metabolizing enzyme. Other pathways include the CYP2C8 pathway with a minor contribution of the CYP3A4 isozyme. Patients' persulfate activity is probably responsible for the other two metabolites which account for 18% and 4% of the administered dose, respectively. All the four metabolites are not known to have any *in vivo* pharmacologic activity.

Excretion

Meloxicam excretion is predominantly in the form of metabolites, and occurs to equal extents in the urine and feces. Only traces of the unchanged parent compound are excreted in the urine (0.2%) and feces (1.6%). The extent of the urinary excretion was confirmed for radiolabeled 7.5 mg doses (3.5%, 0%, 0%, and 3.7% of the dose were recovered in the urine). Meloxicam, like the 5-hydroxyethyl meloxicam metabolite, is excreted in the urine. There is significant biliary and/or enteral excretion of the drug. The most demonstrated when oral administration of radiolabeled meloxicam. A single IV dose of meloxicam decreased the AUC of meloxicam by 50%.

The mean elimination half-life ($t_{1/2}$) ranges from 12 hours to 28 hours. The elimination half-life is constant across dose levels indicating linear metabolism within the therapeutic dose range. Plasma clearance ranges from 7 to 9 ml/min.

Specific Populations

Female

After single (0.25 mg/kg) dose administration and after achieving steady state (0.375 mg/kg/daily), there was a general trend of approximately 30% lower exposure in younger patients (18 to 65 years old) as compared to the older patients (75 to 85 years old). The older patients had meloxicam exposures similar (single dose) or slightly reduced (steady state) to those in the adult patients, when using AUC values normalized to body weight (0.25 mg/kg [see Dosage and Administration (2.1)]. The meloxicam mean (SD) elimination half-life was 15.2 (10.1) and 13.0 hours (13.0) for the 18 to 64 and 65 to 85 patients, and 7 to 16 year old patients, respectively.

In a covariate analysis, elderly population pharmacokinetic body weight, but not age, was the single predictive covariate for differences in the meloxicam apparent oral plasma clearance. The body-weight normalized apparent oral clearance values were adequate predictors of meloxicam exposure in pediatric patients.

The pharmacokinetics of meloxicam in pediatric patients under 2 years of age have not been investigated.

Geriatric

Elderly males (≥65 years of age) exhibited meloxicam plasma concentrations and steady-state pharmacokinetics similar to young males. Elderly females (≥65 years of age) had a 47% higher AUC_{0-∞} and 32% higher C_{max} compared to younger females (18 to 64 years of age) after body weight normalization. Despite the increased total concentrations in the elderly females, the adverse event profile was comparable for both elderly patient populations. A gender free fraction was found in elderly female patients in comparison to elderly male patients.

Sex

Young females exhibited slightly lower plasma concentrations relative to young males. After single doses of 7.5 mg meloxicam, the mean elimination half-life was 19.5 hours for the female group as compared to 23.4 hours for the male group. In steady state, the data were similar (17.9 hrs vs 21.4 hours). This pharmacokinetic difference due to gender is likely to be of little clinical importance. There was no gender of pharmacokinetics and no appreciable difference in the C_{max} or T_{max} across genders.

Hepatic Impairment

Following a single 15 mg dose of meloxicam there was no marked difference in plasma concentrations in patients with mild (Child-Pugh Class I) or moderate (Child-Pugh Class II) hepatic impairment compared to healthy volunteers. Protein binding of meloxicam was not affected by hepatic impairment. No dose adjustment is necessary in patients with mild to moderate hepatic impairment. Patients with severe hepatic impairment (Child-Pugh Class III) have not been adequately studied (see Warnings and Precautions (5.3) and Use in Specific Populations (8.6)).

Renal Impairment

Meloxicam pharmacokinetics have been investigated in subjects with mild and moderate renal impairment. Total drug plasma concentrations of meloxicam decreased and total clearance of meloxicam increased with the degree of renal impairment with the AUC values was similar in all groups. The higher meloxicam clearance in subjects with renal impairment may be due to increased fraction of unbound meloxicam which is available for hepatic metabolism and subsequent excretion. No dosage adjustment is necessary in patients with mild to moderate renal impairment. Patients with severe renal impairment have not been adequately studied. The use of meloxicam in subjects with severe renal impairment is not recommended (see Dosage and Administration (2.3), Warnings and Precautions (5.6) and Use in Specific Populations (8.7)).

Hemodialysis

Following a single dose of meloxicam, the free C_{max} plasma concentrations were higher in patients with mild to moderate renal impairment (33% higher) in comparison to healthy volunteers (0.3% free fraction). Hemodialysis did not decrease drug concentration in plasma, therefore, additional doses are not necessary after hemodialysis. Meloxicam is not dialyzable (see Dosage and Administration (2.1) and Use in Specific Populations (8.7)).

Drug Interactions

Aspirin: When NSAIDs were administered with aspirin, the protein binding of NSAIDs were reduced, although the clearance of free NSAID was not altered. When meloxicam is administered with aspirin (1000 mg three times daily) to healthy volunteers, it tended to increase the AUC (10%) and C_{max} (24%) of meloxicam. The clinical significance of this interaction is not known. See Table 2 for clinically significant drug interactions of NSAIDs with aspirin (see Drug Interactions (7)).

Cholestyramine: Pretreatment for four days with cholestyramine significantly increased the clearance of meloxicam by 50%. This resulted in a decrease in $t_{1/2}$ from 19.2 hours to 12.3 hours, and a 33% reduction in AUC. This suggests the existence of a re-circulation pathway for meloxicam in the gastrointestinal tract. The clinical relevance of this interaction has not been established.

Cimetidine: Concurrent administration of 200 mg cimetidine four times daily did not alter the single-dose pharmacokinetics of 30 mg meloxicam.

Digoxin: Meloxicam 15 mg once daily for 7 days did not alter the plasma concentration profile of digoxin after 8-hourly digoxin administration for 7 days or clinical effects. In vitro testing found no protein binding drug interaction between digoxin and meloxicam.

Lithium: In a study conducted in healthy subjects, mean pre-dose lithium concentration and AUC were increased by 23% in subjects receiving lithium doses ranging from 804 to 1077 mg twice daily with meloxicam 15 mg QD every day as compared to subjects receiving lithium alone (See Drug Interactions (7)).

Methotrexate: A study in 13 rheumatoid arthritis (RA) patients evaluated the effects of multiple doses of meloxicam on the pharmacokinetics of methotrexate taken once weekly. Meloxicam did not have a significant effect on the pharmacokinetics of single doses of methotrexate. In vitro, methotrexate did not displace meloxicam from its human serum binding sites (See Drug Interactions (7)).

Warfarin: The effect of meloxicam on the anticoagulant effect of warfarin was studied in a group of healthy subjects receiving daily doses of warfarin that produced an INR International Normalized Ratio between 1.2 and 1.8. In these subjects, meloxicam did not alter warfarin pharmacokinetics and the average anticoagulant effect of warfarin as determined by prothrombin time. However, one subject showed an increase in INR from 2.1. Caution should be used when administering meloxicam with warfarin since patients on warfarin may experience changes in INR and an increased risk of bleeding complications when a new medication is introduced (See Drug Interactions (7)).

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Carcinogenesis: There was no increase in tumor incidence in long-term carcinogenicity studies in rats (104 weeks) and mice (98 weeks) administered meloxicam at oral doses up to 0.8 mg/kg/day in rats and up to 8 mg/kg/day in mice (up to 0.5- and 2.6-times, respectively, the maximum recommended human dose (MRHD) of 15 mg/day meloxicam based on body surface area (BSA) comparison).

Mutagenesis: Meloxicam was not mutagenic in an Ames assay, or clastogenic in a chromosome aberration assay with human lymphocytes and an in vivo micronucleus test in mouse bone marrow.

Impairment of Fertility: Meloxicam did not impair male and female fertility in rats at oral doses up to 8 mg/kg/day in males and 5 mg/kg/day in females (up to 5.8- and 3.2-times greater, respectively, than the MRHD based on BSA comparison).

14 CLINICAL STUDIES

14.1 Osteoarthritis and Rheumatoid Arthritis

The use of meloxicam for the treatment of the signs and symptoms of osteoarthritis of the knee and hip was evaluated in a 12-week, double-blind, controlled trial. Meloxicam (15 mg, 7.5 mg, and 3.75 mg daily) was compared to placebo. The four primary endpoints were investigator global assessment, patient global assessment, patient pain (Visual Analog Scale (VAS)), and patient functional status (Western Ontario MacMaster Joint Function and Disability). Patients on meloxicam 7.5 mg daily and meloxicam 15 mg daily showed significant improvement in each of these endpoints compared with placebo.

The use of meloxicam for the management of signs and symptoms of osteoarthritis was evaluated in six double-blind, active-controlled trials outside the U.S. ranging from 4 weeks to 12 weeks. In these trials, the efficacy of meloxicam in doses of 7.5 mg/day and 15 mg/day was compared to pre- or post-operative aspirin and diclofenac SR 100 mg/day and consistent with the efficacy seen in the U.S. trial.

The use of meloxicam for the treatment of the signs and symptoms of rheumatoid arthritis was evaluated in a 12-week, double-blind, controlled trial. Meloxicam (15 mg, 7.5 mg, and 3.75 mg daily) was compared to placebo. The primary endpoint in this study was the ACR20 response rate, a composite measure of clinical, functional, and functional disability. Patients on meloxicam 7.5 mg daily and meloxicam 15 mg daily showed significant improvement in the primary endpoint compared with placebo. No incremental benefit was observed with the 22.5 mg dose compared to the 15 mg dose.

14.2 Juvenile Rheumatoid Arthritis (JRA) Pauciarticular and Polyarticular Course

The use of meloxicam for the treatment of the signs and symptoms of pauciarticular or polyarticular course juvenile rheumatoid arthritis in patients 2 years of age and older was evaluated in two 12-week, double-blind, parallel arm, active-controlled trials. Both studies included three arms: naproxen and two doses of meloxicam. In both studies, meloxicam dosing began at 0.125 mg/kg/day (7.5 mg maximum) or 0.25 mg/kg/day (15 mg maximum), respectively, and was increased to placebo. The primary endpoint in this study was the ACR20 response rate, a composite measure of clinical, functional, and functional disability. Patients on meloxicam 7.5 mg daily and meloxicam 15 mg daily showed significant improvement in the primary endpoint compared with placebo. No incremental benefit was observed with the 22.5 mg dose compared to the 15 mg dose.

The efficacy analyses used the ACR20 response (20 responder definition, a composite of parent and investigator assessments, counts of active joints and joints with limited range of motion, and erythrocyte sedimentation rate). The proportion of responders were similar in all three groups in both studies, and no difference was observed between the meloxicam dose groups.

16 HOW SUPPLIED/STORAGE AND HANDLING

Meloxicam tablets, USP 7.5 mg are yellow colored, round, biconvex tablets, debossed with "158" on one side and "C" on the other.

Meloxicam tablets, USP 15 mg are available as follows:

- NDC 68071-191-9 5 Bottles of 15
- NDC 68071-191-2 2 Bottles of 20
- NDC 68071-191-3 Bottles of 30
- NDC 68071-191-6 Bottles of 60
- NDC 68071-191-9 Bottles of 90

Store at 20° to 25° C (68° to 77° F) [See USP Controlled Room Temperature], keep meloxicam tablets in a dry place.

Dispense tablets in a tight container.

Keep this and all medications out of the reach of children.

17 PATIENT COUNSELING INFORMATION

Advise the patient to read the FDA-approved patient labeling (Medication Guide) that accompanies each prescription dispensed.

Inform patients, families or their caregivers of the following information before initiating therapy with an NSAID and periodically during the course of ongoing therapy.

Cardiovascular Thrombotic Events

Advise patients to be alert for the symptoms of cardiovascular thrombotic events, including chest pain, shortness of breath, weakness, or slurring of speech, and to report any of these symptoms to their healthcare provider immediately (See Warnings and Precautions (5.2)).

Gastrointestinal Bleeding, Ulceration and Perforation

Advise patients to report symptoms of ulcerations and bleeding, including epigastric pain, dyspepsia, nausea, and hematemesis to their healthcare provider. In the setting of concomitant use of low-dose aspirin for cardiac prophylaxis, inform patients of the increased risk of signs and symptoms of GI bleeding (See Warnings and Precautions (5.2)).

Hypotension

Inform patients of the warning signs and symptoms of hypotension (e.g., nausea, fatigue, lethargy, diarrhea, purpura, jaundice, right upper quadrant tenderness, and "flu-like" symptoms). If these occur, instruct patients to stop meloxicam and seek immediate medical therapy (See Warnings and Precautions (5.3)).

Low Platelet Counts

Advise patients to be alert for the symptoms of congestive heart failure including shortness of breath, unexplained weight gain, or edema and to contact their healthcare provider if such symptoms occur (See Warnings and Precautions (5.3)).

Asymptomatic Bacteremia

Inform patients of the signs of an asymptomatic reaction (e.g., difficulty breathing, swelling of the face or throat). Instruct patients to seek immediate emergency help if these occur (See Contraindications (4) and Warnings and Precautions (5.2)).

Serious Skin Reactions, Including DRESS

Advise patients to stop taking meloxicam immediately if they develop any type of rash or fever and to contact their healthcare provider as soon as possible (See Warnings and Precautions (5.3), (5.10)).

Female Fertility

Advise females of reproductive potential who desire pregnancy that NSAIDs, including meloxicam, may be associated with a reversible delay in ovulation (See Use in Specific Populations (8.3)).

Fetal Risks

Inform pregnant women to avoid use of meloxicam and other NSAIDs starting at 30 weeks gestation because of the risk of the premature closing of the fetal ductus arteriosus. If treatment with meloxicam is needed for a pregnant woman between about 20 to 30 weeks gestation, advise her that she may need to be monitored for oligohydramnios. If treatment continues for longer than 48 hours (See Warnings and Precautions (5.3), (See Use in Specific Populations (8.1)).

Joint Concomitant Use of NSAIDs

Inform patients that the concomitant use of meloxicam with other NSAIDs or salicylates (e.g., effervescent tablets) is not recommended due to the increased risk of gastrointestinal toxicity, and little or no increase in efficacy (See Warnings and Precautions (5.2) and Drug Interactions (7)). Advise patients that NSAIDs may be present in "over the counter" medications for treatment of colds, fever, or insomnia.

Use of NSAIDs and Low-Dose Aspirin

Inform patients not to use low-dose aspirin concomitantly with meloxicam until they talk to their healthcare provider (See Drug Interactions (7)).

Manufactured by:

Cipla, Ltd.
Kurlumbh, India

Manufactured for:

Cipla USA, Inc.
10 Independence Boulevard, Suite 300,
Warrick, NJ 07099

Revised: 05/2021

Medication Guide for Nonsteroidal Anti-inflammatory Drugs (NSAIDs)

What is the most important information I should know about medicines called Nonsteroidal Anti-inflammatory Drugs (NSAIDs)?

NSAIDs can cause serious side effects, including:

- increased risk of a heart attack or stroke that can lead to death. This risk may happen early in treatment and may increase if:
 - with increasing doses of NSAIDs
 - with longer use of NSAIDs

Do not take NSAIDs right before or after a heart surgery called a "coronary artery bypass graft (CABG)."

Avoid taking NSAIDs after a recent heart attack, unless your healthcare provider tells you to. You may have an increased risk of another heart attack if you take NSAIDs after a recent heart attack.

Increased risk of bleeding, ulcers, and tears (perforation) of the esophagus (tube leading from the mouth to the stomach), stomach and intestines:

- anytime during use
- without warning symptoms
- that may cause death

The risk of getting an ulcer or bleeding increases with:

- past history of stomach ulcers, or stomach or intestinal bleeding or other use of NSAIDs
- taking medicines called "corticosteroids," "anticoagulants," or poor heart health
- taking "blood thinners"
- increasing doses of NSAIDs
- advanced liver disease
- longer use of NSAIDs
- bleeding problems
- smoking
- drinking alcohol

NSAIDs should only be used:

- exactly as prescribed
- at the lowest dose possible for your treatment
- for the shortest time needed

What are NSAIDs?

NSAIDs are used to treat pain and redness, swelling and heat (inflammation) from medical conditions such as different types of arthritis, menstrual cramps, and other types of short-term pain.

Who should not take NSAIDs?

Do not take NSAIDs:

- if you have had an asthma attack, hives, or other allergic reaction with aspirin or any other NSAID.
- right before or after heart bypass surgery.

Before taking NSAIDs, tell your healthcare provider about all of your medical conditions, including if you:

- have liver or kidney problems
- have high blood pressure
- have asthma
- are pregnant or plan to become pregnant. Taking NSAIDs at about 20 weeks of pregnancy or later may harm your unborn baby. If you need to take NSAIDs for more than 2 days when you are between 20 and 30 weeks of pregnancy, your healthcare provider may need to monitor the amount of fluid in your womb around your baby. **You should not take NSAIDs after about 30 weeks of pregnancy.**
- are breastfeeding or plan to breast feed.

Tell your healthcare provider about all of the medicines you take, including prescription or over-the-counter medicines, vitamins or herbal supplements. NSAIDs and some other medicines can interact with each other and cause serious side effects. **Do not start taking any new medicine without talking to your healthcare provider first.**

What are the possible side effects of NSAIDs?

NSAIDs can cause serious side effects, including:

See "What is the most important information I should know about medicines called Nonsteroidal Anti-inflammatory Drugs (NSAIDs)?"

- new or worse high blood pressure
- heart failure

- Liver problems including liver failure
- Kidney problems including kidney failure
- Low red blood cells (anemia)
- Bleeding/bruising skin reactions
- Allergic/hypersensitivity reactions
- Other side effects of NSAIDs include : stomach pain, constipation, diarrhea, gas, heartburn, nausea, vomiting, and dizziness.

Get emergency help right away if you get any of the following symptoms:

- Shortness of breath or trouble breathing
- Swelling of the face or throat
- Chest pain
- Swelling in one part or side of your body

Stop taking your NSAID and call your healthcare provider right away if you get any of the following symptoms:

- There is blood in your bowel movement or it is black
- There is blood in your bowel movement or it is black and sticky like tar
- Unusual weight gain
- Skin rash or blisters with fever
- Swelling of the arms, legs, hands and feet

If you take too much of your NSAID, call your healthcare provider or get medical help right away.

There are not all the possible side effects of NSAIDs. For more information, ask your healthcare provider or pharmacist about NSAIDs. Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

Other information about NSAIDs:

- Aspirin is an NSAID but it does not increase the chance of a heart attack. Aspirin can cause bleeding in the brain, stomach, and intestines. Aspirin can also cause ulcers in the stomach and intestines.
- Some NSAIDs are used in lower doses without a prescription (over-the-counter). Talk to your healthcare provider before using over-the-counter NSAIDs for more than 10 days.

General information about the safe and effective use of NSAIDs: Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not use NSAIDs for a condition for which it was not prescribed. Do not give NSAIDs to other people, even if they have the same symptoms that you have. It may harm them.

If you would like more information about NSAIDs, talk with your healthcare provider. You can ask your pharmacist or healthcare provider for information about NSAIDs that is written for health professionals. The Medication Guide has been approved by the U.S. Food and Drug Administration.

Manufactured by:
 Cipla Ltd,
 Kurlumbi, India
Manufactured for:
 Cipla USA, Inc.
 12 Independence Boulevard, Suite 300,
 Warren, NJ 07059
Revised: 05/2021



MELOXICAM				
Product Information				
Product Type	Human Prescription Drug	Main Code	SDC: DRUGS CONTROLLED SUBST	
Route of Administration	Oral			
Active Ingredient/Active Moiety				
Ingredient Name	Meloxicam	Base of Strength	Strength	
Meloxicam (Salt: Hydrochloride)	Meloxicam Hydrochloride	Meloxicam	7.5 mg	
Inactive Ingredients				
Ingredient Name	Strength			
Meloxicam (Salt: Hydrochloride)	Meloxicam			
Meloxicam (Salt: Hydrochloride)	Meloxicam			
Other Inactive Ingredients				
Product Characteristics				
Color	White	Shape	Round	
Markings	None	Size	8mm	
Flavor		Registration Code	0208	
Container				
Packaging				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC 58071-1919-5	16 (1.0000) Meloxicam (7.5mg) Tablets, NDC 58071-1919-5	09/23/2017	
2	NDC 58071-1919-5	16 (1.0000) Meloxicam (7.5mg) Tablets, NDC 58071-1919-5	09/23/2017	
3	NDC 58071-1919-5	16 (1.0000) Meloxicam (7.5mg) Tablets, NDC 58071-1919-5	09/23/2017	
4	NDC 58071-1919-5	16 (1.0000) Meloxicam (7.5mg) Tablets, NDC 58071-1919-5	09/23/2017	
5	NDC 58071-1919-5	16 (1.0000) Meloxicam (7.5mg) Tablets, NDC 58071-1919-5	09/23/2017	
6	NDC 58071-1919-5	16 (1.0000) Meloxicam (7.5mg) Tablets, NDC 58071-1919-5	09/23/2017	
Marketing Information				
Marketing Category	Application Number or Monograph	Marketing Start Date	Marketing End Date	
ANDA	102047729	01/05/2008		

Labeler: © NuCare Pharmaceuticals, Inc. (554932-000)

Establishment:

Name	Address	APN	Business Operations
NuCare Pharmaceuticals, Inc.		318892-000	1949-00007-1-0000