

**MELOXICAM: meloxicam tablet**  
Bryant Ranch Prepack

**HIGHLIGHTS OF PRESCRIBING INFORMATION**  
These highlights do not include all of the information needed to use MELOXICAM TABLETS USP, USP, safety and efficacy. See full prescribing information for MELOXICAM TABLETS USP.  
MELOXICAM Tablets USP, for oral use  
Initial U.S. Approval: 2000

**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.**  
• **MELOXICAM tablets are contraindicated in the setting of coronary artery bypass graft (CABG) surgery (5.1).**  
• **NSAIDs cause an increased risk of serious gastrointestinal (GI) adverse events including ulceration and perforation of the stomach or small intestine, which may be fatal. These events can occur at any time during use and without warning symptoms. Elderly patients and patients with a prior history of gastric ulcer or other disease are at greater risk for serious GI events (5.2).**

**RECENT MAJOR CHANGES**  
Warnings, Clinical Studies, and Administration (9A) (Facular and Polyarticular Course (1.3))  
Warnings and Administration, General Dosing Instructions (2.1) (2016)  
(2.2) (2016)  
Warnings and Administration, Juvenile Rheumatoid Arthritis (JRA) (Facular and Polyarticular Course (1.3)) (2016)  
Warnings and Administration, Cardiovascular Thrombotic Events (5.1) (2016)  
Warnings and Administration, Heart Failure and Edema (5.5) (2016)  
MELOXICAM tablets are a non-steroidal anti-inflammatory drug indicated for:  
• Osteoarthritis (1.1) (1.3)  
• Juvenile Rheumatoid Arthritis (JRA) in patients who weigh ≥40 kg (1.3)

**DOSEAGE AND ADMINISTRATION**  
The lowest effective dosage for the shortest duration consistent with individual patient treatment goals.  
• **OA (2.2) and RA (2.3):**  
Dosing starts 7.5 mg once daily.  
Dose may be increased to 15 mg once daily.  
• **JRA (2.4):**  
7.5 mg once daily in children ≥40 kg.  
MELOXICAM tablets are not interchangeable with approved formulations of oral meloxicam except if the total meloxicam strength is the same (2.6).

**DOSEAGE FORMS AND STRENGTHS**  
• MELOXICAM Tablets USP, 7.5 mg and 15 mg (3)

**CONTRAINDICATIONS**  
• Known hypersensitivity to meloxicam or any component of the drug product (4)  
• History of asthma, urticaria, or other acute hypersensitivity other than aspirin or other NSAIDs (4)  
• In the setting of CABG surgery (5.1)  
**WARNINGS AND PRECAUTIONS**  
• **Cardiovascular Thrombotic Events:** NSAIDs, including meloxicam, increase the 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 (see Warnings and Precautions (5.1)).  
• **GI Bleeding, Ulceration, and Perforation:** NSAIDs, including meloxicam, increase the risk of serious GI events, including ulceration and perforation of the stomach or small intestine, which may be fatal. These events can occur at any time during use and without warning symptoms. Elderly patients and patients with a prior history of gastric ulcer or other disease are at greater risk for serious GI events (see Warnings and Precautions (5.2)).  
• **Heart Failure and Edema:** NSAIDs, including meloxicam, may cause or worsen heart failure and edema (see Warnings and Precautions (5.5)).  
• **Renal Impairment:** NSAIDs, including meloxicam, may cause or worsen renal impairment (see Warnings and Precautions (5.6)).  
• **Non-Interchangeability with Other Formulations of Meloxicam:** MELOXICAM tablets are not interchangeable with other approved formulations of oral meloxicam except if the total meloxicam strength is the same (2.6).  
• **Use in Specific Populations:** See Warnings and Precautions (5.7) for information on use in pregnant women, nursing women, and patients taking oral contraceptives.  
• **Use in Pediatric Populations:** MELOXICAM tablets are not indicated for use in children who weigh <40 kg (see Warnings and Precautions (5.8)).

**ADVERSE REACTIONS**  
• Most common (≥1%) and greater than placebo adverse events in adults are diarrhea, upper respiratory tract infection, sinusitis, dyspepsia, and nausea (see Clinical Studies (14.1)).  
• Adverse events observed in pediatric studies were similar in nature to the adult clinical trial experience (8.1).  
**TO REPORT SUSPECTED ADVERSE REACTIONS, CONTACT THE PHARMACEUTICAL COMPANY (USA), INC. AT 1-800-545-5455 OR FAX AT 1-800-545-5456 OR VISIT WWW.MELOXICAM.COM**  
• **USA:** Contact the pharmaceutical company at 1-800-545-5455, 24 hours a day, 7 days a week.  
• **Canada:** Contact the pharmaceutical company at 1-800-545-5456, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5457, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5458, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5459, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5460, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5461, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5462, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5463, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5464, 24 hours a day, 7 days a week.  
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• **Other countries:** Contact the pharmaceutical company at 1-800-545-5467, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5468, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5469, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5470, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5471, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5472, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5473, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5474, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5475, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5476, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5477, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5478, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5479, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5480, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5481, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5482, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5483, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5484, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5485, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5486, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5487, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5488, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5489, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5490, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5491, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5492, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5493, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5494, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5495, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5496, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5497, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5498, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5499, 24 hours a day, 7 days a week.  
• **Other countries:** Contact the pharmaceutical company at 1-800-545-5500, 24 hours a day, 7 days a week.

See full **PATIENT COUNSELING INFORMATION** and **Medication Guide**.  
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**FULL PRESCRIBING INFORMATION**  
**WARNING: RISK OF SERIOUS CARDIOVASCULAR AND GASTROINTESTINAL EVENTS**  
**Cardiovascular Thrombotic Events**  
• **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 (see Warnings and Precautions (5.1)).**  
• **MELOXICAM tablets are contraindicated in the setting of coronary artery bypass graft (CABG) surgery (see Contraindications (4) and Warnings and Precautions (5.1)).**  
**Gastrointestinal Bleeding, Ulceration, and Perforation**  
• **NSAIDs cause an increased risk of serious gastrointestinal (GI) adverse events including ulceration, perforation of the stomach or small 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 gastric ulcer or other disease are at greater risk for serious GI events (see Warnings and Precautions (5.2)).**

**1 INDICATIONS AND USAGE**  
**1.1 Osteoarthritis (OA)**  
Meloxicam tablets are indicated for relief of the signs and symptoms of osteoarthritis (see Clinical Studies (14.1)).  
**1.2 Rheumatoid Arthritis (RA)**  
Meloxicam tablets are indicated for relief of the signs and symptoms of rheumatoid arthritis (see Clinical Studies (14.2)).  
**1.3 Juvenile Rheumatoid Arthritis (JRA) (Facular and Polyarticular Course)**  
Meloxicam tablets are indicated for relief of the signs and symptoms of psoriatic or juvenile rheumatoid arthritis in patients who weigh ≥40 kg (see Dosage and Administration (2.4) and Clinical Studies (14.2)).  
**2 DOSAGE AND ADMINISTRATION**  
**2.1 General Dosing Instructions**  
Carefully consider the potential benefits and risks of meloxicam tablets and other treatment options before deciding to use meloxicam tablets. Use the lowest effective dosage for the shortest duration consistent with individual patient treatment goals (see Warnings and Precautions (5)).  
After observing the response to initial therapy with meloxicam tablets, adjust the dose to suit an individual patient's needs.  
In adults, the maximum recommended daily oral dose of meloxicam tablets is 15 mg, regardless of formulation. In patients with rheumatoid arthritis, a maximum daily dosage of 7.5 mg is recommended (see Use in Specific Populations (8.7) and Clinical Pharmacology (12.3)).  
Meloxicam tablets may be taken without regard to timing of meals.  
**2.2 Osteoarthritis**  
For the relief of the signs and symptoms of osteoarthritis, the recommended starting and maintenance oral dose of meloxicam tablets is 7.5 mg once daily. Some patients may receive additional benefit by increasing the dose to 15 mg once daily.  
**2.3 Rheumatoid Arthritis**  
For the relief of the signs and symptoms of rheumatoid arthritis, the recommended starting and maintenance oral dose of meloxicam tablets is 7.5 mg once daily. Some patients may receive additional benefit by increasing the dose to 15 mg once daily.  
**2.4 Juvenile Rheumatoid Arthritis (JRA) (Facular and Polyarticular Course)**  
For the treatment of juvenile rheumatoid arthritis, the recommended oral dose of meloxicam tablets is 7.5 mg once daily in children who weigh ≥40 kg. There was no additional benefit demonstrated by increasing the dose above 7.5 mg in clinical trials. Meloxicam tablets should not be used in children who weigh <40 kg.  
**2.5 Renal Impairment**  
The use of meloxicam tablets in subjects with severe renal impairment is not recommended.  
In patients on hemodialysis, the maximum dosage of meloxicam tablets is 7.5 mg per day (see Clinical Pharmacology (12.3)).  
**2.6 Non-Interchangeability with Other Formulations of Meloxicam**  
Meloxicam tablets have not shown equivalent systemic exposure to other approved formulations of oral meloxicam. Therefore, meloxicam tablets are not interchangeable with other formulations of oral meloxicam products from the same manufacturer or the same. Do not substitute similar dose strengths of meloxicam tablets with other formulations of oral meloxicam product.  
**3 DOSAGE FORMS AND STRENGTHS**  
Meloxicam Tablets USP  
• 7.5 mg: Light yellow, round flat beveled edged, tablet with U & L debossed on one side and 75 debossed centrally on the other side.  
• 15 mg: Light yellow, capsule shaped, biconvex, tablet with U & L debossed on one side and 15 debossed centrally on the other side.  
**4 CONTRAINDICATIONS**  
Meloxicam tablets are contraindicated in the following patients:  
• Known hypersensitivity (e.g., anaphylactic reactions and serious skin reactions) to meloxicam or any component of the drug product (see Warnings and Precautions (5.1, 5.9)).  
• History of asthma, urticaria, or other allergic-type reactions after taking aspirin or other NSAIDs. Serious, sometimes fatal, anaphylactic reactions to NSAIDs have been reported in such patients (see Warnings and Precautions (5.7, 5.8)).  
• In the setting of coronary artery bypass graft (CABG) surgery (see Warnings and Precautions (5.1)).  
**5 WARNINGS AND PRECAUTIONS**

### 5.1 Cardiovascular Thrombotic Events

Clinical trials of several COX-2 selective and nonselective NSAIDs of up to three years duration have shown an increased risk of serious cardiovascular (CV) thrombotic events, including myocardial infarction (MI) and stroke, which can be fatal. Based on available data, it is unclear that the risk for CV thrombotic events is similar for all NSAIDs. The relative increase in serious CV thrombotic events over baseline conferred by NSAID use appears to be similar in trials 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 risk of serious CV thrombotic events. Use to treat acute events may be associated with a higher baseline risk. Some observational studies found that this increased risk of serious CV thrombotic events began as early as the first weeks 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. Therapeutic use without treatment course, even in the absence of previous CV symptoms. Patients should be informed about the symptoms of serious CV events and the risks 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)].

#### Signal Post-Coronary Artery Bypass Graft (CABG) Surgery

Two large, controlled clinical trials of a COX-2 selective NSAID for the treatment of pain in the first 12 to 14 days following CABG surgery found an increased incidence of myocardial infarction and stroke. NSAIDs are contraindicated in the setting of CABG [see Contraindications (4)].

#### Death Statistics

Observational studies conducted in the Danish National Registry have demonstrated that patients treated with NSAIDs in the post-MI period were at increased risk of reinfarction, CV-related death, and all-cause mortality beginning in the first week of treatment. In the same cohort, the incidence of death in the first year post-MI was 20 per 100 person-years in NSAID-treated patients compared to 12 per 100 person-years in non-NSAID-treated patients. Although the absolute rate of death declined somewhat after the first year post-MI, the increased 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, small intestine, or large intestine, which can be fatal. These serious adverse events can occur at any time, with or without warning symptoms, in patients treated with NSAIDs. Only one in five patients who develop a serious upper GI adverse event on NSAID therapy are symptomatic. Upper GI ulcers, ulcers, perforation, or perforation caused by NSAIDs, occurred in approximately 1% of patients treated with 8 mg meloxicam 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 GI bleed compared to patients without these risk factors. Other factors that increase the risk of GI bleeding in patients treated with NSAIDs include longer duration of NSAID therapy; concomitant use of oral corticosteroids, aspirin, anticoagulants, or selective serotonin reuptake inhibitors (SSRIs); use of oral contraceptives, aspirin, or aspirin and aspirin/low-dose aspirin; alcohol and/or smoking; reports of GI bleed events occurring 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 use in patients at higher risk unless benefits are expected to outweigh the increased risk of bleeding. For such patients, use with those with active GI bleeding, similar adverse 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 (less than three times ULN) 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., nausea, fatigue, lethargy, diarrhea, pruritus, jaundice, right upper abdominal tenderness, and "flu-like" symptoms). If clinical signs and symptoms consistent with liver disease develop, or if systemic manifestations occur (e.g., esophagitis, rash, etc.), discontinue Meloxicam immediately, and perform a full clinical evaluation of the patient [see Use in Specific Populations (8.4) and Clinical Pharmacology (12.1)].

### 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 Celecoxib and rofecoxib NSAID Trialists' Collaboration meta-analysis of randomized controlled trials demonstrated an approximately 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 Hyperkalemia

#### 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 an NSAID may cause a dose-dependent reduction in prostaglandins (production and secretion) in renal blood flow, which may precipitate acute renal decompensation. Patients at greatest risk of this reaction are those with impaired renal function, dehydration, hypovolemia, heart failure, liver dysfunction, those taking diuretics, ACE inhibitors, and other nephrotoxic medications. Discontinuation of NSAID therapy is usually followed by recovery to the pretreatment state.

The renal effects of Meloxicam may hasten the progression of renal dysfunction in patients with preexisting renal disease. Stop some Meloxicam medications are excreted by the kidney; monitor patients for signs of worsening renal function.

Correct volume status in dehydrated or hypovolemic patients prior to labeling Meloxicam. Monitor renal function in patients with renal or hepatic impairment, heart failure, dehydration, or hypovolemia 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)].

#### Hyperkalemia

Increase 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 hyperrenemic-hypoadrenocorticism state.

### 5.7 Anaphylactic Reactions

Meloxicam has 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 (5.4)].

Seek emergency help if an anaphylactic reaction occurs.

### 5.8 Exacerbation of Asthma Related to Aspirin Sensitivity

A subpopulation of patients with asthma may have aspirin-sensitive asthma which may include chronic rhinosinusitis complicated by nasal polyps; lower airway disease; and/or aspirin-induced rhinitis; and/or rhinitis de novo; and/or asthma de novo. Because of the known 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. Inform 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 signs 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 may cause premature closure of the fetal ductus arteriosus. Avoid use of Meloxicam, including Meloxicam, in pregnant women starting at 30 weeks of gestation (third trimester) [see Use in Specific Populations (8.3)].

### 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 incomplete effect on erythropoiesis. Use with caution with Meloxicam in 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 coagulation disorders or concomitant use of warfarin, other anticoagulants, antiplatelet agents (e.g., aspirin), serotonin reuptake inhibitors (SSRIs) and serotonin norepinephrine reuptake inhibitors (SNRIs) may increase the risk. Monitor these patients for signs of bleeding [see Drug Interactions (7)].

### 5.12 Masking of Inflammation and Fever

The pharmacological 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 Blood Warning and Precautions (5.1)]
- GI Bleeding, Ulceration, and Perforation [see Blood 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 Hyperkalemia [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

##### Orthostatic 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 113 RA patients treated with Meloxicam 15 mg/day. Meloxicam in these doses was administered to 661 patients at least 6 months, and to 112 patients for at least one year. Approximately 11,360 of these patients were treated in the placebo- and/or active-controlled celecoxib trials and 2363 of these patients were treated in the placebo- and/or active-controlled tramadol 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 (O) of the knee (N=78) 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 (RA) 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 celecoxib 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		Celecoxib	
	Placebo 7.5 mg daily	Meloxicam 15 mg daily	Placebo 100 mg daily	Celecoxib 100 mg daily
157	154	156	153	153
Headache	17.2	20.1	17.6	20.3
Abdominal pain	2.5	3.9	2.6	3.3
Dizziness	1.9	1.8	3.2	3.2
Dyspepsia	4.5	4.5	4.5	6.5
Fatigue	4.5	3.2	3.2	3.9
Nausea	3.2	3.9	3.8	7.2

#### Body as a Whole

Arterial blood pressure	1.9	4.5	3.2	2.4
Cholesterol	2.5	1.9	4.5	1.3
CRP	0.8	2.4	1.9	1.3
Diastolic blood pressure	5.1	4.5	5.8	2.8
<b>Central and Peripheral Nervous System</b>				
Headache	3.4	2.6	3.8	2.0
Insomnia	10.2	7.8	8.3	5.9
<b>Respiratory</b>				
Pharyngitis	1.9	0.6	3.7	1.3
Upper respiratory tract infection	1.9	3.7	1.9	3.1
<b>Skin</b>				
Rash	2.5	2.6	0.6	2.0

**Table 1b Adverse Events (%) Occurring in ≥2% of Meloxicam Patients in two 12-Week Rheumatoid Arthritis Placebo-Controlled Trials**

No. of Patients	Placebo/Meloxicam 7.5 mg daily/Meloxicam 15 mg daily
<b>Cardiovascular Disorders</b>	469 / 481 / 477
Myocardial infarction	1.1 / 0.8 / 0.8
Anginal pain	0.6 / 0.6 / 0.6
Myocardial ischemia and symptoms	0.6 / 0.6 / 0.6
Stroke	0.6 / 0.6 / 0.6
<b>General Disorders and Administration Site Conditions</b>	
Infection and infestations	2.1 / 2.9 / 2.3
Upper respiratory tract infection	4.1 / 7.0 / 6.5
Pharyngitis	1.9 / 0.6 / 3.7
<b>Neurological/Convulsive Tissue Disorders</b>	
Headache	3.4 / 2.6 / 3.8
Insomnia	10.2 / 7.8 / 8.3
<b>Respiratory</b>	
Pharyngitis	1.9 / 0.6 / 3.7
Upper respiratory tract infection	1.9 / 3.7 / 1.9
<b>Skin</b>	
Rash	2.5 / 2.6 / 0.6
Pruritus	1.1 / 1.0 / 2.1

The adverse events that occurred with Meloxicam in ≥2% of patients treated short-term (4 to 8 weeks) and long-term (6 months) in active-controlled osteoarthritis trials are presented in Table 2.

**Table 2 Adverse Events (%) Occurring in ≥2% of Meloxicam Patients in 4 to 6 Weeks and 6 Month Active-Controlled Osteoarthritis Trials**

No. of Patients	4 to 6 Weeks Controlled Trials		6 Month Controlled Trials	
	Meloxicam 15 mg daily/Meloxicam 7.5 mg daily/Meloxicam 15 mg daily	Meloxicam 15 mg daily/Meloxicam 7.5 mg daily/Meloxicam 15 mg daily	Meloxicam 15 mg daily/Meloxicam 7.5 mg daily/Meloxicam 15 mg daily	Meloxicam 15 mg daily/Meloxicam 7.5 mg daily/Meloxicam 15 mg daily
<b>Cardiovascular</b>	119	105	169	105
Myocardial infarction	2.7	2.7	4.7	2.9
Anginal pain	0.8	1.2	1.6	2.8
Myocardial ischemia	1.9	2.7	5.9	2.6
Stroke	0.8	0.8	1.6	0.5
Pharyngitis	0.5	0.4	3.0	2.0
Upper respiratory tract infection	2.8	4.1	4.7	3.2
<b>Central and Peripheral Nervous System</b>				
Headache	0.6	0.8	1.8	2.8
Insomnia	0.6	0.6	0.6	2.9
Pharyngitis	0.6	2.0	2.4	1.6
<b>Respiratory</b>				
Pharyngitis	1.1	1.6	2.4	2.6
Upper respiratory tract infection	2.9	2.2	3.6	2.6
<b>Hematologic</b>				
Anemia	0.1	0.0	4.1	2.9
<b>Musculoskeletal</b>				
Arthralgia	0.5	0.0	5.3	1.3
Back pain	0.5	0.4	3.0	0.7
<b>Psychiatric</b>				
Insomnia	0.4	0.0	3.6	1.6
<b>Respiratory</b>				
Coughing	0.2	0.0	2.4	1.0
Upper respiratory tract infection	0.2	0.0	3.3	0.5
<b>Skin</b>				
Pruritus	0.4	1.2	2.4	0.0
Rash	0.5	1.2	3.0	1.3
<b>Urinary</b>				
Urinary tract infection	0.1	0.4	2.4	1.3
Urinary tract obstruction	0.3	0.4	4.7	0.0

Higher doses of Meloxicam (22.5 mg and greater) have been associated with an increased risk of serious GI events; therefore, the daily dose of Meloxicam should not exceed 15 mg.

**Postmarketing and Postmarketing Commitment (PCC) Studies**  
 Three hundred and eighty-seven patients with osteoarthritis and polyarthralgia course (RA) were exposed to Meloxicam with doses ranging from 0.125 to 0.375 mg/kg per day in three clinical trials. These studies consisted of two 12-week, placebo-controlled, double-blind, randomized trials (RA 1 and RA 2) and one with a 12-week open-label extension and one 1-year open-label PK study. The adverse events observed in these patients, which were similar in nature to those observed in the clinical trials, were more common in the patients than in the adult trial. Such was reported in seven (1.7%) patients receiving Meloxicam. No unexpected adverse events were identified during the course of the trial. The adverse events did not demonstrate an age or gender specific subgroup effect.

The following is a list of adverse drug reactions occurring in ≥2% of patients receiving Meloxicam in clinical trials involving approximately 16,000 patients.

<b>Body as a Whole</b>	allergic reaction, face edema (angioedema), fever, hot flashes, malaise, syncope, weight decrease, weight increase
<b>Cardiovascular</b>	angina pectoris, cardiac failure, hypertension, myocardial infarction, vasculitis
<b>Central and Peripheral Nervous System</b>	convulsions, dizziness, headache, paresthesia, vertigo
<b>Gastrointestinal</b>	colic, dry mouth, duodenal ulcer, eructation, esophagitis, gastric ulcer, gastritis, gastroesophageal reflux, gastrointestinal hemorrhage, hematemesis, hemorrhage (duodenal ulcer, hemorrhagic gastric ulcer, intestinal perforation, ileitis, pancreatitis, perforated duodenal ulcer, perforated gastric ulcer, stomatitis, ulcerative colitis)
<b>Head and Neck</b>	epistaxis, pharyngitis, tonsillitis
<b>Hematologic</b>	hematoma, purpura, thrombocytopenia
<b>Liver and Biliary Systems</b>	hepatocellular dysfunction, jaundice, liver function test abnormalities
<b>Metabolic and Nutritional</b>	dehiscence
<b>Psychiatric</b>	anxiety, depression, anxiety, appetite increased, cataplexy, depression, neuroticism, somnolence
<b>Respiratory</b>	asthma, bronchospasm, dyspnea
<b>Skin and Appendages</b>	alopecia, angioedema, bullous eruption, photosensitivity reaction, pruritus, sweating increased, urticaria
<b>Special Senses</b>	abnormal vision, conjunctivitis, taste perversion, tinnitus
<b>Urinary System</b>	albuminuria, urinary increased, creatinine increased, hematuria, renal failure

**6.2 Post Marketing Experience**  
 The following adverse reactions have been identified during post approval use of Meloxicam. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure. Incidents about whether to include an adverse event from spontaneous reports in labeling are typically based on one or more of the following factors: (1) seriousness of the event; (2) number of reports; or (3) strength of causal relationship to the drug. Adverse reactions reported in worldwide post-marketing experience on the following table include serious reactions, regardless of whether in intent (such as mood elevation), amputations/reactions including shock, systemic malignancies, refractory dermatitis, interstitial nephritis, jaundice, taste, failure, Downer-Johnson syndrome, toxic epidermal necrolysis, and infertility female.

**7 DRUG INTERACTIONS**

See Table 3 for clinically significant drug interactions with meloxicam. See also Warnings and Precautions (2.2, 2.6, 3.1, 3.11 and Clinical Pharmacology (3.2)).

**Table 3 Clinically Significant Drug Interactions with Meloxicam**

Drug that Interacts with Meloxicam	Interaction
<b>Drug of Impact:</b> Aspirin	Meloxicam and aspirin may enhance the synergistic effect on bleeding. The concurrent use of meloxicam and antiplatelets have an increased risk of serious bleeding compared to the use of either drug alone. Aspirin should be used with caution in patients taking meloxicam. Aspirin should be used with caution in patients taking meloxicam. Aspirin should be used with caution in patients taking meloxicam. Aspirin should be used with caution in patients taking meloxicam.
<b>Drug of Impact:</b> Warfarin	Meloxicam may enhance the effect of warfarin. The concurrent use of meloxicam and warfarin may increase the risk of bleeding. The concurrent use of meloxicam and warfarin may increase the risk of bleeding. The concurrent use of meloxicam and warfarin may increase the risk of bleeding. The concurrent use of meloxicam and warfarin may increase the risk of bleeding.
<b>Drug of Impact:</b> NSAIDs	NSAIDs have produced nephropathy in dogs and nephritis in renal/bladder clearance. The mean minimum blood concentration increased 15%, and the renal clearance decreased by approximately 20%. This effect has been attributed to NSAID inhibition of renal prostaglandin synthesis. However, studies with furosemide agents and meloxicam have not demonstrated a reduction in natriuretic effect. Furosemide single and multiple dose pharmacokinetics and pharmacodynamics are not affected by multiple doses of meloxicam.
<b>Drug of Impact:</b> ACE Inhibitors	NSAIDs may attenuate the antihypertensive effect of angiotensin converting enzyme (ACE) inhibitors, angiotensin receptor blockers (ARBs), or beta blockers (including propranolol). In patients who are already on diuretic therapy, or have renal impairment, coadministration of an NSAID with ACE inhibitors or ARBs may result in deterioration of renal function, including possible acute renal failure. These effects are usually reversible. During concomitant use of Meloxicam and ACE inhibitors or ARBs in patients who are elderly, volume-depleted, or have impaired renal function, monitor for signs of worsening renal function [see Warnings and Precautions (5.5)]. When these drugs are administered concomitantly, patients should be adequately hydrated, decrease renal function, and periodically thereafter.
<b>Drug of Impact:</b> Lithium	NSAIDs have produced nephropathy in dogs and nephritis in renal/bladder clearance. The mean minimum blood concentration increased 15%, and the renal clearance decreased by approximately 20%. This effect has been attributed to NSAID inhibition of renal prostaglandin synthesis [see Clinical Pharmacology (3.2)].
<b>Drug of Impact:</b> Methotrexate	Concomitant use of Meloxicam and methotrexate may increase the risk for methotrexate toxicity (i.e., neutropenia, thrombocytopenia, renal dysfunction).
<b>Drug of Impact:</b> Cyclosporin	Concomitant use of Meloxicam and cyclosporin may increase cyclosporin nephrotoxicity.
<b>Drug of Impact:</b> NSAIDs and Salicylates	Concomitant use of meloxicam with other NSAIDs or salicylates is not recommended. Concomitant use of meloxicam with other NSAIDs or salicylates is not recommended.
<b>Drug of Impact:</b> Penicillins	Concomitant use of Meloxicam and penicillins may increase the risk of ampicillin-associated meningitis, which is of benefit even if penicillin is administered prophylactically.
<b>Drug of Impact:</b> Penicillins	Concomitant use of Meloxicam and penicillins may increase the risk of ampicillin-associated meningitis, which is of benefit even if penicillin is administered prophylactically.

**8 USE IN SPECIFIC POPULATIONS**

**8.1 Pregnancy**

**Risk Summary:**  
 Use of NSAIDs, including Meloxicam, during the third trimester of pregnancy increases the risk of premature closure of the fetal ductus arteriosus. Avoid use of NSAIDs, including Meloxicam, in pregnant women starting at 30 weeks of gestation (third trimester) [see Warnings and Precautions (5.10)].  
 There are no adequate and well-controlled studies of Meloxicam in pregnant women. Data from observational studies regarding potential embryofetal risks of NSAID use in women in the first or second trimesters of pregnancy are inconclusive. In the general U.S. population, at clinically recognized pregnancies, regardless of drug exposure, have a background risk of 2-4% for major malformations, and 15-20% for pregnancy loss. In animal reproduction studies, embryofetal death was observed in rats and rabbits treated during the period of organogenesis with meloxicam at oral doses equivalent to 0.5- and 5.5-times the maximum recommended human dose (MRHD) of meloxicam. Increased incidence of skeletal effects were observed in rabbits treated throughout pregnancy with meloxicam at an oral dose equivalent to 78-times the MRHD. In pre- and post-natal reproduction studies, there was an increased incidence of dystocia, delayed parturition, and decreased offspring survival at 0.05 times MRHD of meloxicam. No teratogenic effects were observed in rats and rabbits treated with meloxicam during organogenesis at an oral dose equivalent to 0.5- and 5.5-times the MRHD. The data are based on animal data, prostaglandins have been shown to have important roles in endometrial vascular permeability, blastocyst implantation, and decidualization. In animal studies, administration of prostaglandin synthase inhibitors, such as meloxicam, resulted in increased pre- and post-implantation loss.

**8.2 Lactation**

**Risk Summary:**  
 There are no human data available on whether meloxicam is present in human milk, or on its effects on breastfed infants, or on milk production. The developmental and health benefits of breastfeeding should be considered along with the mother's clinical need for Meloxicam and any potential adverse effects on the breastfed infant from the Meloxicam or from the underlying maternal condition.

**8.3 Females and Males of Reproductive Potential**

**Labeling:**  
 Females:  
 Based on the mechanism of action, the use of prostaglandin-mediated NSAIDs, including

Meloxicam may delay or prevent rupture of ovarian follicles, which has been associated with reversible infertility in some women. Published animal studies have shown that administration of prostaglandin synthetase inhibitors has the potential to delay prostaglandin-mediated follicular rupture required for ovulation. Small studies in women treated with NSAIDs have also shown a reversible delay in ovulation. Consider withdrawal of NSAIDs, including Meloxicam, in women who have difficulties conceiving or who are undergoing investigation of infertility.

#### 8.4 Pediatric Use

The safety and effectiveness of meloxicam in pediatric (BA patients from 17 to years of age) has been evaluated in three clinical trials (see Dosage and Administration (2.3), Adverse Reactions (6.1) 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 analgesic 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 (5.1, 5.2, 5.3, 5.6, 5.13)).

#### 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. Clinical studies in patients with mild to moderate hepatic impairment and mild renal impairment have not been conducted. Meloxicam should be used 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

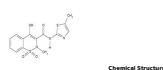
Symptoms following acute NSAID overdosages have been typically limited to lethargy, drowsiness, nausea, vomiting, and epigastric pain, which have been generally reversible with supportive care. Gastrointestinal bleeding has occurred. Hypertension, acute renal failure, respiratory depression, and coma 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 overdosage. There are no specific antidotes. Consider emesis and/or activated charcoal (60 to 100 grams in adults, 1 to 2 grams per kg of body weight in pediatric patients) and/or sorbic cathartic in symptomatic patients seen within four hours of ingestion or in patients with a large overdosage (3 to 10 times the recommended dosage). Forced diuresis, manipulation of urine, hemodialysis, or hemoperfusion may not be useful due to high protein binding.

There is limited experience with meloxicam overdosage. 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 overdosage. For additional information about overdosage treatment, call a poison control center (1-800-222-1222).

#### 11 DESCRIPTION

Meloxicam Tablets, USP are a nonsteroidal anti-inflammatory drug (NSAID). Each tablet contains 7.5 mg or 15 mg meloxicam for oral administration. Meloxicam is chemically defined as 4-methoxy-2-(6-oxo-1,2,3,4-tetrahydro-2H-pyridin-3-ylidene)-5-pyridinamine-3-carboxamide, 1,1-dioxide. The molecular weight is 353.4. Its empirical formula is  $C_{17}H_{15}N_3O_5$  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. It is very slightly soluble in methanol. Meloxicam has an apparent partition coefficient (log P<sub>ow</sub>) = 0.1 in octanol/buffer pH 7.4. Meloxicam has a pKa value of 1.1 and 4.2.

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

The inactive ingredients in Meloxicam tablets USP include colloidal silicon dioxide, croscollon, lactose monohydrate, magnesium stearate, microcrystalline cellulose, polydioxane and sodium citrate dihydrate.

#### 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. Prostaglandins are mediators of inflammation and pain. Inhibition of prostaglandin synthesis by NSAIDs is thought to result in analgesic and antipyretic effects. Prostaglandins are mediators of inflammation. Because meloxicam is an inhibitor of prostaglandin synthesis, its mode of action may be due to a decrease of prostaglandins in peripheral tissue.

##### 12.3 Pharmacokinetics

###### 12.3.1 Absorption

The absolute bioavailability of meloxicam capsules was 89% following a single oral dose of 30 mg compared with 30 mg of ibuprofen injection. Following single intravenous doses, dose-proportional pharmacokinetics were shown in the range of 1.5 mg to 60 mg. About 90% of the pharmacokinetics of meloxicam capsules were dose-proportional over the range of 7.5 mg to 15 mg. Mean C<sub>max</sub> was achieved within four to five hours after 7.5 mg meloxicam was taken under fasting 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 recycling.

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)<sup>a</sup>**

Pharmacokinetic Parameters (%CV)	Steady State			
	7.5 mg capsules	15 mg capsules	7.5 mg capsules	15 mg capsules
<b>N</b>	8	8	12	12
<b>C<sub>max</sub></b> (ng/mL)	21,050	37,124	3,721	6,912
<b>C<sub>min</sub></b> (ng/mL)	4,735	3,127	4,053	10,187
<b>AUC</b> (ng·h/mL)	21,134	24,148	11,120	12,120
<b>t<sub>1/2</sub></b> (h)	8.2(29)	8.9(78)	5.1(24)	10.4(33)
<b>t<sub>1/2β</sub></b> (h)	14.1(32)	13.9(41)	10.1(30)	26.1(44)

<sup>a</sup> The parameters shown in this table are from various studies in healthy subjects.

<sup>b</sup> t<sub>1/2β</sub> = t<sub>1/2α</sub> (C<sub>max</sub>/C<sub>min</sub>)

###### Food and Antacid Effects

Administration of meloxicam capsules following a high fat breakfast (75 g of fat) resulted in mean peak drug levels (C<sub>max</sub>) being increased by approximately 22% while the extent of meloxicam was unchanged. The time to maximum concentration (T<sub>max</sub>) was achieved between 3 and 6 hours. No pharmacokinetic interaction was detected with concurrent administration of antacids. Based on these results, Meloxicam can be administered without regard to timing of meals or concurrent administration of antacids.

###### Distribution

The mean volume of distribution (V<sub>d</sub>) of meloxicam is approximately 10 L. Meloxicam is 99% bound to human plasma proteins. Protein binding varies with the specific dose range. The fraction of protein binding is dependent of drug concentration, over the clinically relevant concentration range, but increases to ~99% in patients with renal disease. Meloxicam penetration into red blood cells, after oral dosing, is less than 10%. Following a radiolabeled dose, over 90% of the radioactivity detected in the plasma was present as unchanged meloxicam.

Meloxicam concentrations in synovial fluid, after a single oral dose, range from 80% 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'-carboxymeloxicam (60% of dose), from P-450 mediated metabolism formed by oxidation of an intermediate involving 5'-hydroxymeloxicam which is further oxidized to a lesser extent (9% of dose). *In vitro* studies indicate that CYP2C9 (cyclo-oxygenase P450) metabolizing enzyme plays an important role in the metabolic pathway with a minor contribution of the CYP2A6 isozyme. Patient's paracetamol use is probably responsible for the other two metabolites which account for 10% and 4% of the administered dose, respectively. All the four metabolites are not known to have any *in vivo* pharmacological 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 (1.4%). The extent of the urinary excretion was confirmed for unchanged meloxicam 7.5 mg doses (0.5%, 0.6%, and 13% of the dose were found in urine in the form of meloxicam, and the 5-hydroxymeloxicam and 5-carboxymeloxicam, respectively). There is significant biliary and/or enteral excretion of the drug. This was demonstrated when oral administration of cholestyramine following a single IV dose of meloxicam decreased the AUC of meloxicam by 50%.

The mean elimination half-life (t<sub>1/2</sub>) ranges from 12 hours to 20 hours. The elimination half-life is constant across dose levels indicating linear metabolism within the therapeutic dose range. Plasma clearance ranges from 7 to 16 mL/min.

###### Safety Pharmacology

###### Female

After single (0.25 mg/kg) dose administration and after achieving steady state (0.375 mg/kg/day), there was a general trend of approximately 30% lower exposure in younger patients (2 to 6 years old) as compared to the older patients (7 to 16 years old). The older patients had meloxicam exposures similar to single dose or slightly reduced in younger patients to those in the older patients, when using AUC values normalized to meloxicam 7.5 mg/kg/day (see Dosage and Administration (2.2)). The mean plasma free fraction (f<sub>u</sub>) half-life was 15.2 (10.1 and 13.0 hours) (3.0 for the 2 to 6 year old patients, and 7.9 to 14 years old patients), respectively.

In a covariate analysis, using population pharmacokinetics body weight, but not age, was the single predictive covariate for difference in the meloxicam apparent oral plasma clearance. The body weight-normalized apparent oral clearance values were also predictive 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 4% higher AUCs and 5% higher C<sub>max</sub> as compared to younger females (65 years of age) after both weight normalization. Despite the increased renal concentrations in the elderly females, the adverse event profile was comparable for both elderly patient populations. A smaller 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 renal elimination half-life was 5.3 hours for the female group as compared to 2.34 hours for the male group. At steady state, the renal elimination half-life was 7.1 hours for the female group and 2.1 hours for the male group. The pharmacokinetic differences due to gender is likely to be of little clinical importance. There was similarity of pharmacokinetics and no appreciable differences in the C<sub>max</sub> or T<sub>max</sub> 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 similar in all groups. The higher meloxicam clearance in subjects with mild to moderate 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 free AUC values were 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/or increased renal clearance. No dose 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<sub>max</sub> plasma concentrations were higher in patients with renal failure on chronic hemodialysis (1% free fraction) in comparison to healthy volunteers (0.3% free fraction). Hemodialysis did not lower the total drug concentration in plasma; therefore, additional dose are not necessary after hemodialysis. Meloxicam is not dialyzable (see Dosage and Administration (2.1) and Use in Specific Populations (8.7)).

###### Drug Interactions Studies

Aspirin: When NSAIDs were administered with aspirin, the protein binding of NSAIDs were reduced, although the bioavailability 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<sub>max</sub> (24%) of meloxicam. The clinical significance of this interaction is not known. See Table 3 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<sub>1/2</sub> from 19.2 hours to 12.5 hours, and a 35% reduction in AUC. This suggests the existence of a recylable 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.

Diclofenac: Meloxicam 15 mg oral daily for 7 days did not alter the plasma concentration profile of diclofenac after 100 mg oral daily administration for 7 days of clinical dose. *In vivo* testing found no protein binding drug interaction between diclofenac and meloxicam.

Lithium: In a study conducted in healthy subjects, mean pre-dose lithium concentration

and AUC were increased by 21% in subjects receiving lithium doses ranging from 804 to 1072 mg twice daily with meloxicam 15 mg QD every day as compared to subjects receiving lithium alone (see Drug Interactions (7)).

**Metformin:** A study in 13 rheumatoid arthritis (RA) patients evaluated the effects of meloxicam 15 mg on the pharmacokinetics of meloxicam taken with metformin. Meloxicam did not have a significant effect on the pharmacokinetics of single doses of metformin. In vitro, metformin 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 1.9 and 1.6. 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 1.5 to 2.1. Caution should be used when administering Meloxicam with warfarin since subjects 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 (99 weeks) administered meloxicam at oral doses up to 0.8 mg/kg/day in rats and up to 8.0 mg/kg/day in mice (at 0.5 and 2.0 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 5.6- 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 15 mg daily) was compared to placebo. The four primary endpoints were investigator's global assessment, patient global assessment, patient pain assessment, and total WOMAC score in self-administered questionnaire addressing pain, function, and stiffness. Patients on Meloxicam 15 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 6 months' duration. In these trials, the efficacy of Meloxicam in doses of 7.5 mg/day and 15 mg/day, was comparable to piroxicam 20 mg/day 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, multinational trial. Meloxicam (7.5 mg, 15 mg, and 22.5 mg daily) was compared to placebo. The primary endpoint in this study was the ACR20 response rate, a composite measure of clinical, laboratory, and functional measures of RA response. Patients receiving Meloxicam 7.5 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 treatment) or 0.25 mg/kg/day (15 mg treatment), and naproxen dosing began at 0.2 mg/kg/day. Only study used these doses throughout the 12-week dosing period, while the other incorporated a titration after 4 weeks to doses of 0.25 mg/kg/day and 0.375 mg/kg/day (22.5 mg maximum) of meloxicam and 15 mg/kg/day of naproxen.

The efficacy analysis used the ACR Paediatric 30 responder definition, a composite of patient and investigator assessments, counts of active joints, and joints with limited range of motion, and a 75% or greater administration rate. The proportion of responders was similar in all three groups in both studies, and no difference was observed between the meloxicam dose groups.

### 16 HOW SUPPLIED/STORAGE AND HANDLING

NDC 71335-1618-1: 30 Tablets in a BOTTLE  
NDC 71335-1618-2: 60 Tablets in a BOTTLE  
NDC 71335-1618-3: 90 Tablets in a BOTTLE  
NDC 71335-1618-4: 14 Tablets in a BOTTLE  
NDC 71335-1618-5: 100 Tablets in a BOTTLE  
NDC 71335-1618-6: 7 Tablets in a BOTTLE  
NDC 71335-1618-7: 10 Tablets in a BOTTLE  
NDC 71335-1618-8: 13 Tablets in a BOTTLE  
NDC 71335-1618-9: 28 Tablets in a BOTTLE  
NDC 71335-1618-0: 20 Tablets in a BOTTLE

### 17 PATIENT COUNSELING INFORMATION

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

**Additional Medication Guides can be obtained by calling Unichem at 1-866-562-4616.**

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 (5.1)).

**Gastrointestinal Bleeding, Ulceration, and Perforation**

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

**Hemostasis**

Advise patients of the warning signs and symptoms of hepatotoxicity (e.g., nausea, fatigue, lethargy, diarrhea, pruritus, jaundice, right upper quadrant tenderness, and "flu-like" symptoms). If these occur, instruct patients to stop Meloxicam tablets and seek immediate medical therapy (see Warnings and Precautions (5.3)).

**Heart Failure and Edema**

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)).

**Anaphylactic Reaction**

Inform patients of the signs of an anaphylactic 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 (5.7)).

**Serious Side Reactions**

Advise patients to stop Meloxicam tablets immediately if they develop any type of rash and to contact their healthcare provider as soon as possible (see Warnings and Precautions (5.8)).

**Female Fertility**

Advise females of reproductive potential who desire pregnancy that NSAIDs, including Meloxicam tablets, may be associated with a reversible delay in ovulation (see Use in Specific Populations (6.3)).

**Fetal Toxicity**

Inform pregnant women to avoid use of Meloxicam tablets and other NSAIDs starting at 30 weeks gestation because of the risk of the premature closing of the fetal ductus arteriosus (see Warnings and Precautions (5.10) and Use in Specific Populations (6.3)).

**Aspirin Concomitant Use of NSAIDs**

Inform patients that the concomitant use of Meloxicam tablets with other NSAIDs or salicylates (e.g., effervescent, buffered, or chewable tablets) is not recommended due to the increased risk of gastrointestinal toxicity, and 80% or more increase in efficacy (see Warnings and Precautions (5.2) and Drug Interactions (7)). Advise patients that NSAIDs may be present in "low-dose aspirin" 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 tablets unless they talk to their healthcare provider (see Drug Interactions (7)).

For current prescribing information, call Unichem at 1-866-562-4616.

Manufactured by:

**UNICHEM LABORATORIES LTD.**

Palma Ind. Estate,  
Palma, Barabek, Goa 403511, India

Manufactured for:

**UNICHEM**  
Pharmaceuticals Ltd. Inc.

Unichem Logo

Hasthrouck Heights, NJ 07604

07-09-2017

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### SPL MEDGUIDE

#### Medication Guide for Nonsteroidal Anti-inflammatory Drugs (NSAIDs)

What is the most important safety 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:

• 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 stomach (the hole leading from the mouth to the stomach), stomach and intestinal tissues:

• symptoms during use

• without warning symptoms

• that may cause death

The risk of getting an ulcer or bleeding increases with:

• past history of ulcers, ulcers, or stomach or intestinal bleeding with use of NSAIDs

• taking medicine called "corticosteroids," "anti-coagulants," "SSRIs," or "SRSS"

• longer use of NSAIDs

• smoking

• drinking alcohol

• older age

• poor health

• advanced liver disease

• bleeding problems

NSAIDs should only be used:

• exactly as prescribed

• if the benefits seem 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 take NSAIDs?**

**Do not take NSAIDs:**

• if you have had an asthma attack, hives, or other allergic reaction with aspirin or any other NSAIDs.

• just before or after heart bypass surgery.

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

• have had or have kidney problems

• have had or have high blood pressure

• have asthma

• are pregnant or plan to become pregnant. Talk to your healthcare provider if you are considering taking NSAIDs during pregnancy. You should not take NSAIDs after 29 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)?"

• heart failure

• liver problems including liver failure

• kidney problems including kidney failure

• low red blood cells (anemia)

• gastrointestinal side reactions

• life-threatening allergic 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

• chest pain

• weakness in one part of your body

sternal speech  
swelling of the face or throat

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

- Nausea
- vomit blood
- stool black or weaker than usual
- dizziness
- ringing
- your skin or eyes look yellow
- indigestion or stomach pain
- flu-like symptoms
- vomit blood
- 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 any known 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.gov/medwatch](http://FDA.gov/medwatch).

**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 to lower blood pressure 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**  
NSAIDs are sometimes prescribed for purposes other than those listed on 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 need less information about NSAIDs, talk with your healthcare provider. You can ask your pharmacist or healthcare provider for information about NSAIDs that is written for patients.

**Additional Medication Guides can be obtained by calling Unichem at 1-866-562-4414.**

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UNICHEM LABORATORIES LTD.  
Pharm. Ind. Equip.  
Pharm., Bardez, Goa 403511, India  
Manufactured for:

**UNICHEM**  
PHARMACEUTICALS USA, INC.

Hackensack, NJ 07604  
Tel: 201-992-3117  
1-866-562-4414

This Medication Guide has been approved by the U.S. Food and Drug Administration.  
Revised: September 2017  
Meloxicam 15mg Tablet

Produced by Bryant Ranch Products, Barford, CA 95004

**Meloxicam 15mg Tablet**

Compare To  
Mobic 15mg Tablet  
Unichem Laboratories Limited

Take with food  
Keep all drugs out of reach of children.

Store at room temp of 20°-25°C (68°-77°F)

# 30 EXP MMYY  
NDC 7133516181 0328301523487

Product Information				
Product Name	MELIXICAM TABLETS (Mobic)			
Route of Administration	Oral			
Active Ingredient/Active Moiety				
Active Ingredient/Active Moiety	Meloxicam (Mobic)			
Inactive Ingredients				
Inactive Ingredient	Strength			
MICROCRYSTALLINE CELLULOSE (N3)	15 mg			
CROSCAROLLUM (N3)				
LACTOSE MONOHYDRATE (N3)				
MAGNESIUM STEARATE (N3)				
POLYMER BLENDED CELLULOSE (N3)				
TITANIUM DIOXIDE (N3)				
Product Characteristics				
Color	White			
Shape	Round			
Flavor	None			
Imprint Code	15151			
Packaging				
#	Base Code	Package Description	Marketing Start Date	Marketing End Date
1	021101	30 (3) BOTTLE, Type 0, Not a Combination Product	20100902	
2	021102	60 (3) BOTTLE, Type 0, Not a Combination Product	20100902	
3	021103	90 (3) BOTTLE, Type 0, Not a Combination Product	20100902	
4	021104	120 (3) BOTTLE, Type 0, Not a Combination Product	20100902	
5	021105	150 (3) BOTTLE, Type 0, Not a Combination Product	20100902	
6	021106	180 (3) BOTTLE, Type 0, Not a Combination Product	20100902	
7	021107	210 (3) BOTTLE, Type 0, Not a Combination Product	20100902	
8	021108	240 (3) BOTTLE, Type 0, Not a Combination Product	20100902	
9	021109	270 (3) BOTTLE, Type 0, Not a Combination Product	20100902	
10	021110	300 (3) BOTTLE, Type 0, Not a Combination Product	20100902	
Marketing Information				
Marketing Category	Human Prescription Drug	Marketing Start Date	Marketing End Date	
Marketing Category	ANDA/ANDA	Marketing Start Date	Marketing End Date	
Labeler	Bryant Ranch Products (137374927)			
Registrant	Bryant Ranch Products (137374927)			
Establishment				
Name	Address	NPI	Business Operations	
Bryant Ranch Products	137374927	0600010001	ANDA/ANDA (137374927)	