

## DISCLAIMER

All labeling reflected on this website is for informational and promotional purposes only. It is not intended to be used by healthcare professionals or patients for the purpose of prescribing or administering these products. Questions regarding the current content of product labeling should be directed to Akom's Customer Service department at 800.932.5676.



**Geriatric Use**  
The safety and effectiveness of LORTAB ELIXIR in the pediatric population below the age of two years have not been established. Use of LORTAB ELIXIR in the pediatric patients over the age of 2 years is supported by evidence from adequate and well controlled studies of hydrocodone and acetaminophen combination products in adults, along with additional data which support the development of metabolic pathways in children two years of age and over [see **DOUSAGE AND ADMINISTRATION**] for pediatric dosage information.

#### Geriatric Use

Elderly patients (aged 65 years or older) may have increased sensitivity to LORTAB ELIXIR. In general, use caution when selecting a dosage for an elderly patient, usually starting at the low end of the dosing range, reflecting the greater frequency of decreased hepatic, renal, or cardiac function and of concomitant disease or other drug therapy. Respiratory depression is the chief risk for elderly patients treated with opioids, and has occurred after large initial doses were administered to patients who were not opioid-tolerant or when opioids were co-administered with other agents that depress respiration. Titrate the dosage of LORTAB ELIXIR slowly in geriatric patients and follow closely for signs of central nervous system and respiratory depression [see **WARNINGS**].

Hydrocodone and acetaminophen are known to be substantially excreted by the kidney, and the risk of adverse reactions to this drug may be greater in patients with impaired renal function. Because elderly patients are more likely to have decreased renal function, care should be taken in dose selection, and it may be useful to follow renal function.

#### Hepatic Impairment

Patients with hepatic impairment may have higher plasma hydrocodone concentrations than those with normal function. Use a low initial dose of LORTAB ELIXIR in patients with hepatic impairment and follow closely for adverse events such as respiratory depression and sedation.

#### Renal Impairment

Patients with renal impairment may have higher plasma hydrocodone concentrations than those with normal function. Use a low initial dose LORTAB ELIXIR in patients with renal impairment and follow closely for adverse events such as respiratory depression and sedation.

#### ADVERSE REACTIONS

The following adverse reactions have been identified during post approval use of LORTAB ELIXIR. 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.

The most frequently reported adverse reactions are light-headedness, dizziness, sedation, nausea and vomiting. Other adverse reactions include:

**Cardio-Renal:** Bradycardia, cardiac arrest, circulatory collapse, renal toxicity, renal tubular necrosis, hypotension.

**Central Nervous System/Psychiatric:** Anxiety, dizziness, drowsiness, dysphoria, euphoria, fear, general malaise, impairment of mental and physical performance, lethargy, lightheadedness, mental clouding, mood changes, psychological dependence, sedation, somnolence progressing to stupor or coma.

**Endocrine:** Hypoglycemic coma.

**Gastrointestinal System:** Abdominal pain, constipation, gastric distress, heartburn, hepatic necrosis, hepatitis, occult blood loss, nausea, peptic ulcer, and vomiting.

**Genitourinary System:** Spasm of vesical sphincters, ureteral spasm, and urinary retention.

**Hematologic:** Agranulocytosis, hemolytic anemia, iron deficiency anemia, prolonged bleeding time, thrombocytopenia.

**Hypersensitivity:** Allergic reactions.

**Musculoskeletal:** Skeletal muscle flaccidity.

**Respiratory Depression:** Acute airway obstruction, apnea, dose-related respiratory depression [see **OVERDOSAGE**], shortness of breath.

**Special Senses:** Cases of hearing impairment or permanent loss have been reported predominantly in patients with chronic overdose.

**Skin:** Cold and clammy skin, diaphoresis, pruritus, rash.

- Serotonin syndrome:** Cases of serotonin syndrome, a potentially life-threatening condition, have been reported during concomitant use of opioids with serotonergic drugs.

- Adrenal insufficiency:** Cases of adrenal insufficiency have been reported with opioid use, more often following greater than one month of use.

- Anaphylaxis:** Anaphylaxis has been reported with ingredients contained in LORTAB ELIXIR
- Androgen deficiency:** Cases of androgen deficiency have occurred with chronic use of opioids [see **CLINICAL PHARMACOLOGY**].

#### DRUG ABUSE AND DEPENDENCE

#### Controlled Substance

LORTAB ELIXIR contains hydrocodone, a Schedule II controlled substance.

#### Abuse

LORTAB ELIXIR contains hydrocodone, a substance with a high potential for abuse similar to other opioids including fentanyl, hydromorphone, methadone, morphine, oxycodone, oxymorphone, and tapentadol, can be abused and is subject to misuse, addiction, and criminal diversion [see **WARNINGS**].

All patients treated with opioids require careful monitoring for signs of abuse and addiction, because use of opioid analgesic products carries the risk of addiction even under appropriate medical use.

Prescription drug abuse is the intentional non-therapeutic use of a prescription drug, even once, for its rewarding psychological or physiological effects.

Drug addiction is a cluster of behavioral, cognitive, and physiological phenomena that develop after repeated substance use and includes: a strong desire to take the drug, difficulties in controlling its use, persisting in its use despite harmful consequences, a higher priority given to drug use than to other activities and obligations, increased tolerance, and sometimes a physical withdrawal.

“Drug-seeking” behavior is very common in persons with substance use disorders. Drug-seeking tactics include emergency calls or visits near the end of office hours, refusal to undergo appropriate examination, testing, or referral, repeated “loss” of prescriptions, tampering with prescriptions, and reluctance to provide prior medical records or contact information for other treating health care provider(s). “Doctor shopping” (visiting multiple prescribers to obtain additional prescriptions) is common among drug abusers and people suffering from untreated addiction. Preoccupation with achieving adequate pain relief can be appropriate behavior in a patient with poor pain control.

Abuse and addiction are separate and distinct from physical dependence and tolerance. Health care providers should be aware that addiction may not be accompanied by concurrent tolerance and symptoms of physical dependence in all addicts. In addition, abuse of opioids can occur in the absence of true addiction.

LORTAB ELIXIR, like other opioids, can be diverted for non-medical use into illicit channels of distribution. Careful record-keeping of prescribing information, including quantity, frequency, and renewal requests, as required by state and federal law, is strongly advised.

Proper assessment of the patient, proper prescribing practices, periodic re-evaluation of therapy, and proper dispensing and storage are appropriate measures that help to limit abuse of opioid drugs.

#### Risks Specific to Abuse of LORTAB ELIXIR

LORTAB ELIXIR is for oral use only. Abuse of LORTAB ELIXIR poses a risk of overdose and death. The risk is increased with concurrent abuse of LORTAB ELIXIR with alcohol and other central nervous system depressants.

Acetaminophen has been associated with cases of acute liver failure, at times resulting in liver transplant and death.

Parenteral drug abuse is commonly associated with transmission of infectious diseases such as hepatitis and HIV.

#### Dependence

Both tolerance and physical dependence can develop during chronic opioid therapy. Tolerance is the need for increasing doses of opioids to maintain a defined effect such as analgesia (in the absence of disease progression or other external factors). Tolerance may occur to both the desired and undesired effects of drugs, and may develop at different rates for different effects.

Physical dependence results in withdrawal symptoms after abrupt discontinuation or a significant dosage reduction of a drug. Withdrawal also may be precipitated through the administration of drugs with opioid antagonist activity (e.g., naloxone, nalmefene), mixed agonist/antagonist analgesics (e.g., pentazocine, butorphanol, nalbuphine), or partial agonists (e.g., buprenorphine). Physical dependence may not occur to a clinically significant degree until after several days to weeks of continued opioid usage.

LORTAB ELIXIR should not be abruptly discontinued in a physically-dependent patient [see **DOUSAGE AND ADMINISTRATION**]. If LORTAB ELIXIR is abruptly discontinued in a physically-dependent patient, a withdrawal syndrome may occur. Some or all of the following can characterize this syndrome: restlessness, lacrimation, rhinorrhea, yawning, perspiration, chills, myalgia, and mydriasis. Other signs and symptoms also may develop, including irritability, anxiety, backache, joint pain, weakness, abdominal cramps, insomnia, nausea, anorexia, vomiting, diarrhea, or increased blood pressure, respiratory rate, or heart rate.

Infants born to mothers physically dependent on opioids will also be physically dependent and may exhibit respiratory difficulties and withdrawal signs [see **PRECAUTIONS: Pregnancy**].

#### OVERDOSAGE

Following an acute overdose, toxicity may result from hydrocodone or acetaminophen.

#### Clinical Presentation

Acute overdose with LORTAB ELIXIR can be manifested by respiratory depression, somnolence progressing to stupor or coma, skeletal muscle flaccidity, cold and clammy skin, constricted pupils, and, in some cases, pulmonary edema, bradycardia, hypotension, partial or complete airway obstruction, atypical snoring, and death. Marked mydriasis rather than miosis may be seen with hypoxia in overdose situations.

#### Acetaminophen

Dose-dependent, potentially fatal hepatic necrosis is the most serious adverse effect of acetaminophen overdose. Renal tubular necrosis, hypoglycemic coma and coagulation defects may also occur. Early symptoms following a potentially hepatotoxic overdose may include: nausea, vomiting, diaphoresis and general malaise. Clinical and laboratory evidence of hepatic toxicity may not be apparent until 48 to 72 hours post-ingestion.

#### Treatment of Overdose

#### Hydrocodone

In case of overdose, priorities are the reestablishment of a patent and protected airway and institution of assisted or controlled ventilation, if needed. Employ other supportive measures (including oxygen and vasopressors) in the management of circulatory shock and pulmonary edema as indicated. Cardiac arrest or arrhythmias will require advanced life-support techniques.

The opioid antagonists, naloxone or nalmefene, are specific antidotes to respiratory depression resulting from opioid overdose. For clinically significant respiratory or circulatory depression secondary to LORTAB ELIXIR overdose, administer an opioid antagonist. Opioid antagonists should not be administered in the absence of clinically significant respiratory or circulatory depression secondary to LORTAB ELIXIR overdose.

Because the duration of opioid reversal is expected to be less than the duration of action of hydrocodone in LORTAB ELIXIR carefully monitor the patient until spontaneous respiration is reliably reestablished. If the response to an opioid antagonist is suboptimal or only brief in nature, administer additional antagonist as directed by the product’s prescribing information.

In an individual physically dependent on opioids, administration of the recommended usual dosage of the antagonist will precipitate an acute withdrawal syndrome. The severity of the withdrawal symptoms experienced will depend on the degree of physical dependence and the dose of the antagonist administered. If a decision is made to treat serious respiratory depression in the physically dependent patient, administration of the antagonist should be initiated with care and by titration with smaller than usual doses of the antagonist.

#### Acetaminophen

Gastric decontamination with activated charcoal should be administered just prior to N-acetylcysteine (NAC) to decrease absorption if acetaminophen is known or suspected to have occurred within a few hours of presentation. Serum acetaminophen levels should be obtained immediately if the patient presents 4 hours or more after ingestion to assess potential risk of hepatotoxicity; acetaminophen levels drawn less than 4 hours post-ingestion may be misleading. To obtain best possible outcome, NAC should be administered as soon as possible where impending or evolving liver injury is suspected. Intravenous NAC may be administered when circumstances preclude oral administration.

Vigorous supportive therapy is required in severe intoxication. Procedures to limit the continuing absorption of the drug must be readily performed since the hepatic injury is dose-dependent and occurs in the course of intoxication.

#### DOUSAGE AND ADMINISTRATION

#### Important Dosage and Administration Instructions

Ensure accuracy when prescribing, dispensing, and administering LORTAB ELIXIR to avoid dosing errors due to confusion between mg and mL, and with other hydrocodone bitartrate and acetaminophen oral solutions of different concentrations, which could result in accidental overdose and death. Ensure the proper dose is communicated and dispensed. When writing prescriptions, include both the total dose in mg and the total dose in volume.

Always use a calibrated measuring devise when administering LORTAB ELIXIR to ensure the dose is measured and administered accurately. Health care providers should recommend a dropper that can measure and deliver the prescribed dose accurately, and instruct caregivers to use extreme caution in measuring the dosage.

Use the lowest effective dosage for the shortest duration consistent with individual patient treatment goals [see **WARNINGS**].

Initiate the dosing regimen for each patient individually; taking into account the patient’s severity of pain, patient response, prior analgesic treatment experience, and risk factors for addiction, abuse, and misuse [see **WARNINGS**].

Follow patients closely for respiratory depression, especially within the first 24-72 hours of initiating therapy and following dosage increases with LORTAB ELIXIR and adjust the dosage accordingly [see **WARNINGS**].

#### Initial Dosage

#### Initiating Treatment with LORTAB ELIXIR

The usual adult dosage is 11.25 milliliters every 4 to 6 hours as needed for pain. The total daily dosage for adults should not exceed 67.5 milliliters.

The usual dosages for children are given by the table below and is to be given every 4 to 6 hours as needed for pain. The total daily dosage for children should not exceed 6 doses per day. These dosages correspond to an average individual dose of 0.20 mL/kg of LORTAB ELIXIR (providing 0.135 mg/kg of hydrocodone bitartrate and 4.0 mg/kg of acetaminophen). Dosing should be based on weight whenever possible.

It is of utmost importance that the dose of LORTAB ELIXIR be administered accurately. A household teaspoon or tablespoon is not an adequate measuring device, especially when one-half or three-fourths of a teaspoonful is to be measured. Given the variability of the household spoon measure it is strongly recommended that caregivers obtain and use a calibrated measuring device. Health care providers should recommend a dropper that can measure and deliver the prescribed dose accurately, and instruct caregivers to use extreme caution in measuring the dosage.

BODY WEIGHT	APPROXIMATE AGE	DOSE every 4 to 6 hours	MAXIMUM TOTAL DAILY DOSE (6 doses per day)
12 to 15 kg 27 to 34 lbs.	2 to 3 years	2.8 mL	16.8 mL
16 to 22 kg 35 to 50 lbs.	4 to 6 years	3.75 mL	22.5 mL
23 to 31 kg 51 to 69 lbs.	7 to 9 years	5.6 mL	33.6 mL
32 to 45 kg 70 to 100 lbs.	10 to 13 years	7.5 mL	45 mL
46 kg and up 101 lbs. and up	14 years to adult	11.25 mL	67.5 mL

#### Conversion from Other Opioids to LORTAB ELIXIR

There is inter-patient variability in the potency of opioid drugs and opioid formulations. Therefore, a conservative approach is advised when determining the total daily dosage of LORTAB ELIXIR. It is safer to underestimate a patient’s 24-hour LORTAB ELIXIR dosage than to overestimate the 24-hour LORTAB ELIXIR dosage and manage an adverse reaction due to overdose.

#### Conversion from LORTAB ELIXIR to Extended-Release Hydrocodone

The relative bioavailability of LORTAB ELIXIR compared to extended-release hydrocodone is unknown, so conversion to extended-release tablets must be accompanied by close observation for signs of excessive sedation and respiratory depression.

#### Titration and Maintenance of Therapy

Individually titrate LORTAB ELIXIR to a dose that provides adequate analgesia and minimizes adverse reactions. Continually reevaluate patients receiving LORTAB ELIXIR to assess the maintenance of pain control and the relative incidence of adverse reactions, as well as monitoring for the development of addiction, abuse, or misuse [see **WARNINGS**]. Frequent communication is important among the prescriber, other members of the healthcare team, the patient, and the caregiver/family during periods of changing analgesic requirements, including initial titration.

If the level of pain increases after dosage stabilization, attempt to identify the source of increased pain before increasing the LORTAB ELIXIR dosage. If unacceptable opioid-related adverse reactions are observed, consider reducing the dosage. Adjust the dosage to obtain an appropriate balance between management of pain and opioid-related adverse reactions.

#### Discontinuation of LORTAB ELIXIR

When a patient who has been taking LORTAB ELIXIR regularly and may be physically dependent no longer requires therapy with LORTAB ELIXIR, taper the dose gradually, by 25% to 50% every 2 to 4 days, while monitoring carefully for signs and symptoms of withdrawal. If the patient develops these signs or symptoms, raise the dose to the previous level and taper more slowly, either by increasing the interval between decreases, decreasing the amount of change in dose, or both. Do not abruptly discontinue LORTAB ELIXIR in a physically-dependent patient [see **WARNINGS, DRUG ABUSE AND DEPENDENCE**].

#### HOW SUPPLIED

LORTAB ELIXIR (hydrocodone bitartrate and acetaminophen oral solution) is a red-colored, tropical fruit punch flavored liquid containing hydrocodone bitartrate 10 mg and acetaminophen 300 mg per 15 mL with 7% alcohol. It is supplied in containers of 16 fl. oz. (NDC 17478-450-16).

Store at 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature].

Dispense in a tight, light-resistant container with a child-resistant closure.

#### Manufactured for

#### Akorn, Inc.

Lake Forest, IL 60045

#### Manufactured by

#### Mikart, Inc.

Atlanta, GA 30318

<p><b>MEDICATION GUIDE</b></p> <p><b>LORTAB (lor<sup>®</sup> tab) ELIXIR</b></p> <p>(Hydrocodone Bitartrate and Acetaminophen Oral Solution), CII</p>			
<p><b>LORTAB ELIXIR is:</b></p> <ul style="list-style-type: none"><li>A strong prescription pain medicine that contains an opioid (narcotic) that is used to manage pain severe enough to require an opioid pain medicine and for which alternative treatments are inadequate and when other pain treatments such as non-opioid pain medicines do not treat your pain well enough or you cannot tolerate them.</li> <li>An opioid pain medicine that can put you at risk for overdose and death. Even if you take your dose correctly as prescribed you are at risk for opioid addiction, abuse, and misuse that can lead to death.</li></ul>			
<p><b>Important information about LORTAB ELIXIR:</b></p> <ul style="list-style-type: none"><li><b>Get emergency help right away if you take too much LORTAB ELIXIR (overdose).</b> When you first start taking LORTAB ELIXIR, when your dose is changed, or if you take too much (overdose), serious or life-threatening breathing problems that can lead to death may occur.</li> <li>Taking LORTAB ELIXIR with other opioid medicines, benzodiazepines, alcohol, or other central nervous system depressants (including street drugs) can cause severe drowsiness, decreased awareness, breathing problems, coma, and death.</li> <li>Never give anyone else your LORTAB ELIXIR. They could die from taking it. Store LORTAB ELIXIR away from children and in a safe place to prevent stealing or abuse. Selling or giving away LORTAB ELIXIR is against the law.</li></ul>			
<p><b>Do not take LORTAB ELIXIR if you have:</b></p> <ul style="list-style-type: none"><li>severe asthma, trouble breathing, or other lung problems.</li> <li>a bowel blockage or have narrowing of the stomach or intestines.</li> <li>known hypersensitivity to hydrocodone or acetaminophen, or any ingredient in LORTAB ELIXIR.</li></ul>			
<p><b>Before taking LORTAB ELIXIR, tell your healthcare provider if you have a history of:</b></p> <ul style="list-style-type: none"><li>head injury, seizures</li> <li>liver, kidney, thyroid problems</li> <li>problems urinating</li> <li>pancreas or gallbladder problems</li> <li>abuse of street or prescription drugs, alcohol addiction, or mental health problems.</li></ul> <p><b>Tell your healthcare provider if you are:</b></p> <ul style="list-style-type: none"><li><b>pregnant or planning to become pregnant.</b> Prolonged use of LORTAB ELIXIR during pregnancy can cause withdrawal symptoms in your newborn baby that could be life-threatening if not recognized and treated.</li> <li><b>breastfeeding.</b> LORTAB ELIXIR passes into breast milk and may harm your baby.</li> <li>taking prescription or over-the-counter medicines, vitamins, or herbal supplements. Taking LORTAB ELIXIR with certain other medicines can cause serious side effects that could lead to death.</li></ul>			
<p><b>When taking LORTAB ELIXIR:</b></p> <ul style="list-style-type: none"><li>Do not change your dose. Take LORTAB ELIXIR exactly as prescribed by your healthcare provider. Use the lowest dose possible for the shortest time needed.</li> <li>Always use a calibrated measuring device for LORTAB ELIXIR to correctly measure your dose. A household teaspoon or tablespoon is not an adequate measuring device. Given the inexactitude of the household spoon measure and the possibility of using a tablespoon instead of a teaspoon, which could lead to overdose, it is strongly recommended that caregivers obtain and use a calibrated measuring device.</li></ul>			
BODY WEIGHT	APPROXIMATE AGE	DOSE every 4 to 6 hours	MAXIMUM TOTAL DAILY DOSE (6 doses per day)
12 to 15 kg 27 to 34 lbs.	2 to 3 years	2.8 mL	16.8 mL
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32 to 45 kg 70 to 100 lbs.	10 to 13 years	7.5 mL	45 mL
46 kg and up 101 lbs. and up	14 years to adult	11.25 mL	67.5 mL
<ul style="list-style-type: none"><li>Take your prescribed dose. The usual adult dosage is 11.25 milliliters every four to six hours as needed for pain. The total daily dosage should not exceed 67.5 milliliters. Do not take more than your prescribed dose. If you miss a dose, take your next dose at your usual time.</li> <li>Call your healthcare provider if the dose you are taking does not control your pain.</li> <li>If you have been taking LORTAB ELIXIR regularly, do not stop taking LORTAB ELIXIR without talking to your healthcare provider.</li> <li>After you stop taking LORTAB ELIXIR, the unused solution should be disposed of by flushing down the toilet.</li></ul>			
<p><b>White taking LORTAB ELIXIR DO NOT:</b></p> <ul style="list-style-type: none"><li>Drive or operate heavy machinery, until you know how LORTAB ELIXIR affects you. LORTAB ELIXIR can make you sleepy, dizzy, or lightheaded.</li> <li>Drink alcohol or use prescription or over-the-counter medicines that contain alcohol. Using products containing alcohol during treatment with LORTAB ELIXIR may cause you to overdose and die.</li></ul>			
<p><b>The possible side effects of LORTAB ELIXIR:</b></p> <ul style="list-style-type: none"><li>constipation, nausea, sleepiness, vomiting, tiredness, headache, dizziness, abdominal pain. Call your healthcare provider if you have any of these symptoms and they are severe.</li></ul> <p><b>Get emergency medical help if you have:</b></p> <ul style="list-style-type: none"><li>trouble breathing, shortness of breath, fast heartbeat, chest pain, swelling of your face, tongue, or throat, extreme drowsiness, light-headedness when changing positions, feeling faint, agitation, high body temperature, trouble walking, stiff muscles, or mental changes such as confusion.</li></ul> <p>These are not all the possible side effects of LORTAB ELIXIR. Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088. <b>For more information go to <a href="http://dailymed.nlm.nih.gov">dailymed.nlm.nih.gov</a></b></p> <p>Manufactured for: Akorn, Inc., Lake Forest, IL 60045</p>			

This Medication Guide has been approved by the U.S. Food and Drug Administration.

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