

Lapcetam Solution

Levetiracetam 100 mg/mL Syrup

Dosage Form: Oral Syrup

Strength: 100 mg of levetiracetam per mL

Indications

Levetiracetam syrup is used in the management of:

1. **Epilepsy (Seizure Disorders):**
 - **Monotherapy:** For partial-onset seizures in adults and children aged 16 years and older.
 - **Adjunctive Therapy:**
 - For partial-onset seizures in children aged 1 month and older.
 - For generalized tonic-clonic seizures in adults and children aged 6 years and older with idiopathic generalized epilepsy.
 - For myoclonic seizures in adults and adolescents aged 12 years and older with juvenile myoclonic epilepsy.

Mechanism of Action

Levetiracetam is an antiepileptic drug that works by binding to synaptic vesicle protein 2A (SV2A), a protein involved in neurotransmitter release. This action helps modulate synaptic transmission and

stabilizes neuronal activity, reducing the likelihood of abnormal electrical impulses that lead to seizures.

Dosage and Administration

Adults and Adolescents (≥16 years):

- **Initial Dose:** 500 mg twice daily (can start with 250 mg twice daily based on tolerance).
- **Maintenance Dose:** The dose can be increased in increments of 500 mg twice daily (up to a maximum of 1500 mg twice daily) based on clinical response.
- **Conversion from Oral Tablet to Syrup:** The same total daily dose can be given in liquid form if necessary.

Pediatric Dosing (1 month to 15 years):

- **Initial Dose:** Based on weight and age, the starting dose is generally 10 mg/kg twice daily.
- **Maintenance Dose:** The dose can range from 20 mg/kg to 60 mg/kg per day, divided into two doses, depending on clinical needs.

Instructions for Use:

- Shake the syrup bottle well before each use.
 - Measure the prescribed dose using an appropriate dosing device (e.g., oral syringe or medicine cup).
 - It can be taken with or without food.
-

Contraindications

- **Hypersensitivity to levetiracetam or any excipient in the formulation.**
 - **Use with caution in patients with renal impairment or a history of psychiatric disorders.**
-

Warnings and Precautions

- 1. Psychiatric Symptoms:**
 - **Levetiracetam may cause mood changes, depression, irritability, or suicidal thoughts. Regular monitoring for these symptoms is recommended.**
 - 2. Cognitive and Motor Effects:**
 - **May cause drowsiness, dizziness, or difficulty concentrating. Avoid engaging in activities that require full alertness until you know how this medication affects you.**
 - 3. Seizure Control:**
 - **Discontinuation of levetiracetam should be gradual to prevent an increase in seizure frequency.**
 - 4. Renal Impairment:**
 - **In patients with renal dysfunction, dose adjustment is required. Regular monitoring of kidney function is essential.**
-

Side Effects

Common Side Effects:

- **Drowsiness or fatigue**
- **Dizziness**

- **Headache**
- **Irritability or mood changes**
- **Nausea or loss of appetite**

Serious Side Effects:

- **Psychiatric Symptoms: Severe mood changes, agitation, aggression, depression, or suicidal thoughts.**
 - **Severe Allergic Reactions: Rash, swelling, difficulty breathing (anaphylaxis or angioedema).**
 - **Severe Fatigue or Muscle Weakness**
 - **Coordination Issues: Difficulty walking or maintaining balance.**
-

Drug Interactions

- **CNS Depressants (e.g., alcohol, benzodiazepines): Increased risk of drowsiness, sedation, or CNS depression.**
 - **Other Antiepileptic Drugs (AEDs): Levetiracetam generally has minimal interactions with other AEDs but should be used with caution in combination therapy.**
 - **Methadone or Opioids: Enhanced CNS depressant effects; use cautiously.**
-

Use in Special Populations

- **Pregnancy: Category C.** Levetiracetam should be used only if the potential benefit justifies the risk to the fetus. It is important to maintain seizure control during pregnancy.
- **Lactation: Levetiracetam is excreted in breast milk, so caution should be**

exercised when used by breastfeeding mothers.

- **Elderly: No special dose adjustment is required, but renal function should be closely monitored in older patients.**

Note: Levetiracetam should be used under the supervision of a healthcare provider. Regular follow-up is essential to ensure the effectiveness of the treatment and to monitor for potential side effects.

Manufactured in India for:



Cafoli Lifecare Pvt. Ltd.

(An ISO 9001: 2015 Certified Co.)

Plot no.: 367-FF, Industrial Area Phase-I,

Panchkula-134113

TM: Trademark Applied for

Storage

- **Store at room temperature (15–30°C or 59–86°F).**
- **Keep the bottle tightly closed and away from direct light, heat, and moisture.**
- **Keep out of reach of children.**

Missed Dose

- **If you miss a dose, take it as soon as you remember. If it is almost time for your next dose, skip the missed dose and continue your usual dosing schedule. Do not take two doses at once.**

Overdose Management

- **Symptoms of overdose may include extreme drowsiness, agitation, aggression, or respiratory depression.**
 - **Seek immediate medical attention if an overdose is suspected.**
 - **Treatment: Overdose is generally managed with supportive care. Hemodialysis may help remove levetiracetam from the bloodstream.**
-