

Levetiracetam

(leh-vuh-ter-ass-ih-tam)

Description:

Anticonvulsant

Other Names for this Medication: Keppra®

Common Dosage Forms:

Veterinary: None. **Human:** 250 mg, 500 mg, 750 mg, & 1000 mg tablets; 100 mg/mL oral liquid. Compounded dosage forms may be available.

This information sheet does not contain all available information for this medication and has not been reviewed by FDA Center for Veterinary Medicine. This sheet can help answer commonly asked questions but is not a substitute for medical advice. If you have other questions or need more information about this medication, contact your veterinarian or pharmacist.

Key Information

- May be given with or without food. If your animal vomits or acts sick after receiving the drug on an empty stomach, try giving the next dose with food or a small treat. If vomiting continues, contact your veterinarian.
 - Lethargy (tiredness; lack of energy) or reduced appetite are the most common side effects.
 - Do not crush or allow your animal to chew extended-release tablets.

How is this medication useful?

In dogs and cats, levetiracetam is sometimes used to treat seizures, especially when other more commonly used drugs are not effective or tolerated. The FDA (U.S. Food & Drug Administration) has approved this drug for use in humans but it is not officially approved for use in animals. The FDA allows veterinarians to prescribe products containing this drug in different species or for other conditions in certain situations. You and your veterinarian can discuss why this drug is the most appropriate choice.

What should I tell my veterinarian to see if this medication can be safely given?

Many things might affect how well this drug will work in your animal. Be sure to discuss the following with your veterinarian so together you can make the best treatment decisions.

- Other drugs can interact with levetiracetam, including phenobarbital and non-steroidal anti-inflammatory drugs (NSAIDs) (eg, carprofen, meloxicam, firocoxib, deracoxib), so be sure to tell your veterinarian and pharmacist what medications (including vitamins, supplements, or herbal therapies) you give your animal, including the amount and time you give each.
- Tell your veterinarian about any conditions or diseases your animal may have now or has had in the past.
- If your animal has been treated for the same disease or condition in the past, tell your veterinarian how well the treatment did or didn't work.
- If your animal is pregnant or nursing, talk to your veterinarian about the risks of using this drug.
- Tell your veterinarian and pharmacist about any medication side effects (including allergic reactions, lack of appetite, diarrhea, itching, hair loss) your animal has developed in the past.

How long until I will know if this medication is working, and how long will the effects of this medication last?

This medication should start having effects within 1 to 2 hours; however, you will not see the effects of this medication outwardly. Your veterinarian will need to run further tests to determine if the medication is working appropriately. The effects of this medication are

short-lived, meaning they will stop working within 24 hours, although the benefits may be prolonged if your animal has decreased kidney and/or liver function.

When should this medication not be used or be used very carefully?

No drug is 100% safe in all patients, but your veterinarian will discuss with you any specific concerns about using this drug in your animal.

This drug **SHOULD NOT** be used in patients:

- That are allergic to it or drugs like it.

This drug should be used **WITH CAUTION** in patients:

- That have kidney problems.
- That are pregnant or nursing.

If your animal has any of these conditions, talk to your veterinarian about the potential risks versus benefits.

What are the side effects of this medication?

Levetiracetam is usually well tolerated in dogs or cats.

Side effects that are usually not serious include:

- Cats: loss of appetite and lethargy (lack of energy).
- Dogs: tiredness, lack of energy.

You don't have to be overly concerned if you see any of these signs unless they are severe, worsen, or continue to be a problem. Contact your veterinarian if this happens.

Side effects that may be serious or indicate a serious problem:

- Sudden changes in behavior.

If you see this effect, contact your veterinarian immediately.

If my animal gets too much of this medication (an overdose), what should I do?

One-time overdoses of levetiracetam are unlikely to cause more than tiredness/lack of energy and stomach upset. If you witness or suspect an overdose, contact your veterinarian or an animal poison control center for further advice. Animal poison control centers that are open 24 hours a day include: **Pet Poison HELPLINE** (855-764-7661) and **ASPCA Animal Poison Control Center** (888-426-4435); a consultation fee is charged for these services.

How should this medication be given?

For this medication to work, give it exactly as your veterinarian has prescribed. It's a good idea to always check the prescription label to be sure you are giving the drug correctly.

- May be given with or without food. If your animal vomits or acts sick after receiving the drug on an empty stomach, try giving the next dose with food or a small treat. If vomiting continues, contact your veterinarian.
- Liquid forms of this medication must be measured carefully. Your veterinarian or pharmacist can help by providing special measuring spoons or syringes.
- If you have difficulty getting your animal to take the medicine, contact your veterinarian or pharmacist for tips to help with dosing and reducing the stress of medication time.
- This medication can be given for various lengths of time and in some cases, your animal may require this drug for the rest of their life. Be sure you understand how long your veterinarian wants you to continue giving this medication. Prescription refills may be necessary before the therapy will be complete. Do not suddenly stop giving this medicine to your animal. This medicine must be withdrawn gradually or your animal may have an increase in seizure activity.

What should I do if I miss giving a dose of this medication?

If you miss a dose, give it when you remember, but if it is close to the time for the next dose, skip the dose you missed and give it at the next scheduled time. After that, return to the regular dosing schedule. Do not double-up or give extra doses.

How should I store this medication?

- Store this medication in the original prescription bottle or an approved dosage reminder (ie, pill minder) container at room temperature. If your veterinarian or pharmacist has made (compounded) a special formulation for your animal, follow the storage recommendations and expiration date for the product.
- Keep away from children and other animals.

Can handling this medication be hazardous to me, my family, or other animals?

There are no specific precautions required when handling this medication unless you are allergic to it. Wash your hands after handling any medication.

How should I dispose of this medication if I don’t use it all?

- Do not flush this medication down the toilet or wash it down the sink. If a community drug “take-back” program is available, use this option. If there is no take-back program, mix the drug with coffee grounds or cat litter (to make it undesirable to children and animals and unrecognizable to people who might go through your trash), place the mixture in a sealable plastic bag to keep it from leaking out, and throw the bag out with the regular trash.
- Do not save leftover medication for future use or give it to others to use.

What other information is important for this medication?

- Your veterinarian may recommend periodic blood tests to see how well your animal’s body is tolerating the drug. Do not miss these important follow-up visits.
- Use of this drug may not be allowed in certain animal competitions. Check rules and regulations before entering your animal in a competition while this medication is being administered.

If you have any other questions about this medication, contact your veterinarian or pharmacist.

Special Instructions