

Lotilaner

- Drug Information

Brand Names:

Credelio™

Pharmacology:

Lotilaner is an ectoparasiticide belonging to the isoxazoline group.

Indications:

CREDELIO kills adult fleas and is indicated for the treatment and prevention of flea infestations (*Ctenocephalides felis*) and the treatment and control of tick infestations [*Amblyomma americanum* (lone star tick), *Dermacentor variabilis* (American dog tick), *Ixodes scapularis* (black-legged tick) and *Rhipicephalus sanguineus* (brown dog tick)] for one month in dogs and puppies 8 weeks of age and older, and weighing 4.4 pounds or greater.

Lotilaner is used extra-label to treat generalized demodicosis and sarcoptic mange in dogs. When dogs with sarcoptic mange were treated with monthly label-recommended doses, pruritus ceased within 2 weeks, skin scrapings were negative in 1 month and active lesions in all dogs were absent at 2 months. In dogs, lotilaner has demonstrated efficacy against *Amblyomma cajennense* (*sensu lato*), *Ixodes holocyclus* and *Haemaphysalis longicornis*.

Credelio™ CAT CREDELIO CAT kills adult fleas and is indicated for the treatment and prevention of flea infestations (*Ctenocephalides felis*) for one month in cats and kittens 8 weeks of age and older, and weighing 2.0 pounds or greater.

CREDELIO CAT is also indicated for the treatment and control of *Ixodes scapularis* (black-legged tick) infestations for one month in cats and kittens 6 months of age and older, and weighing 2.0 pounds or greater.

Contraindications:

- General

Lotilaner is a member of the isoxazoline class. This class has been associated with neurologic adverse reactions including tremors, ataxia, and seizures. Seizures have been reported in animals receiving isoxazoline class drugs, even in those without a history of seizures. Use with caution in animals with a history of seizures or neurologic disorders.

The safe use of Lotilaner in breeding, pregnant or lactating animals has not been evaluated.

Interactions:

- General Interactions

No identified General Interactions at time of publishing.

- Category Interactions

- Drug Interactions

Washout Period:

The suggested wash out period (estimated time for elimination from the body) for this drug is - 6 weeks.

Adverse Effects:

- Dog

Weight loss, elevated BUN, polyuria, vomiting, diarrhea are possible.

Seizures and neuro signs have been reported in dogs receiving isoxazoline class drugs, even in dogs without a history of seizures.

- Cat

Hyperactivity, pruritus, tachypnea, dyspnea, lethargy, vomiting, anorexia, hyperthermia, hypersalivation, tachycardia, mydriasis, tremors, ataxia, seizures, hepatopathy, anaphylactic reactions resulting in death, pancreatitis, immune mediated hemolytic anemia, and glomerulopathy.

Five 3- to 4-week-old nursing kittens (one litter of 2 kittens and one litter of 3) died within three days of the queens receiving CREDELIO CAT. Two pregnant cats spontaneously aborted or had fetal and perinatal deaths within a few days of receiving CREDELIO CAT.

Dosages:**- General**

CREDELIO must be administered with food

Treatment with CREDELIO can begin at any time of the year and can continue year round without interruption.

Clients should be cautioned that the veterinary version of these products are formulated to be palatable to pets. This can increase the likelihood for inadvertent overdose of the medication if the container is not stored with this in mind.

- Small Animal**- Dog**

CREDELIO is given orally once a month, at the minimum dosage of 20 mg/kg

4.4 to 6 pounds. body weight: One 56.25 mg tablet

6.1 to 12 pounds. body weight: One 112.5 mg tablet

12.1 to 25 pounds. body weight: One 225 mg tablet

25.1 to 50 pounds. body weight: One 450 mg tablet

50.1 to 100 pounds. body weight: One 900 mg tablet

Over 100 pounds. body weight: Administer the appropriate combination of chewable tablets

Generalized demodicosis (extra-label): Minimum dosage 20 mg/kg by mouth once every 4 weeks for 3 treatments was effective in reducing and eliminating live mite counts in dogs with naturally occurring *Demodex* spp infestation.

Sarcoptic mange (extra-label): Treat according to manufacturer's label recommendations by mouth once every 4 weeks for 3 treatments.

- Cat

CREDELIO CAT is a chewable tablet given orally once a month, at the minimum dosage of 6 mg/kg

2 - 4 pounds: Give one 12 mg tablet

4.1 - 17 pounds Give one 48 mg tablet

Over 17 pounds: Administer the appropriate combination of chewable tablets

Special Notes:

None