

# Fact Sheet for Pet Owners and Veterinarians about Potential Adverse Events Associated with Isoxazoline Flea and Tick Products

## Fast Facts

- The FDA is alerting pet owners and veterinarians of the potential for neurologic adverse events in dogs and cats when treated with drugs that are in the isoxazoline class.
- The FDA-approved drugs in this class are Bravecto, Credelio, Nexgard and Simparica. These products are approved for the treatment and prevention of flea infestations, and the treatment and control of tick infestations.
- Although these products can and have been safely used in the majority of dogs and cats, pet owners should consult with their veterinarian to review their patients' medical histories and determine whether a product in the isoxazoline class is appropriate for their pet.

## What should I know?

- The FDA considers products in the isoxazoline class to be safe and effective for dogs and cats but is providing this information so that pet owners and veterinarians can take it into consideration when choosing flea and tick products for their pets.
- Isoxazoline products have been associated with neurologic adverse reactions, including muscle tremors, ataxia, and seizures in some dogs and cats;
- Although most dogs and cats haven't had neurologic adverse reactions, seizures may occur in animals without a prior history;
- Many products are available for prevention and control of flea and tick infestations. You can discuss all options with your veterinarian to choose the right product for your pet.

## What products are in the isoxazoline class?

- The FDA-approved drugs in this class are
  - Bravecto
  - Credelio
  - Nexgard
  - Simparica
- These products are approved for the treatment and prevention of flea infestations, and the treatment and control of tick infestations.

## What should I do if my pet has an adverse drug event while using an isoxazoline product?

- If your dog or cat experiences any adverse event while using an isoxazoline product, first consult your veterinarian.

- The FDA continues to monitor adverse drug event reports for these products and encourages pet owners and veterinarians to report adverse drug events. You can do this by reporting to the drugs' manufacturers, who are required to report this information to the FDA, or by submitting a report directly to the FDA.
- To report suspected adverse drug events for these products and/or obtain a copy of the Safety Data Sheet (SDS) or for technical assistance, contact the appropriate manufacturers at the following phone numbers:
  - Merck Animal Health (Bravecto): 800-224-5318
  - Elanco Animal Health (Credelio): 888-545-5973
  - Merial (Nexgard): 888-637-4251
  - Zoetis (Simparica): 888-963-8471
- If you prefer to report directly to the FDA, or want additional information about adverse drug experience reporting for animal drugs, see [How to Report Animal Drug Side Effects and Product Problems](#).
- Pet owners and veterinarians who have additional questions can contact [AskCVM@fda.hhs.gov](mailto:AskCVM@fda.hhs.gov) or call 240-402-7002.

## **Additional Information**

[Animal Drug Safety Communication: FDA Alerts Pet Owners and Veterinarians About Potential for Neurologic Adverse Events Associated with Certain Flea and Tick Products](#)

### **Contact FDA**

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