atipamezole hydrochloride

Federal law restricts this drug to use by or on the order of a licensed veterinarian.

DEXDOMITOR (dexmedetomidine hydrochloride), and DOMITOR (medetomidine hydrochloride) Note that the mcg/kg dosage decreases as body weight increases. determine the correct injection volume or the correct ANTISEDAN dosage on the basis of
The dosage of ANTISEDAN is calculated based on body surface area. Use the following tables to
The chemical name is 4-(2-ethyl-2,3-dihydro-1H-inden-2-yl)-1H-imidazole hydrochloride.

Additional procedures for the control of pain may be required.

persistent hypothermia, bradycardia, and depressed respiration, until signs of recovery persist.

1. Handling:

ANTISEDAN can produce an abrupt reversal of sedation; therefore, dogs that have
aggressive behavior should be considered in the handling of dogs emerging from sedation,

2. Sedation relapse:

Note to Physician:

To report adverse reactions in users or to obtain a copy of the SDS for this product call

In case of accidental oral exposure or injection, seek medical attention. Caution should be used
to skin, eyes, or mouth. In case of accidental eye exposure, flush with water for 15 minutes. In
case of accidental oral exposure, give 1-2 ml of water/kg of body weight. Shake the vial well before

The safety of atipamezole has not been evaluated in dogs with compromised

Toxicokinetics:

The most prominent adverse reaction to atipamezole was the abrupt reversal of sedation

Atipamezole was administered by the intravenous (IV), intramuscular (IM), or subcutaneous (SC) route

Atipamezole was tolerated in healthy dogs receiving 10X the recommended

No adverse events were reported in the atipamezole treated dogs.

In dogs treated with　 analogues of atipamezole to dexmedetomidine- or medetomidine-sedated dogs, followed by a transient

Atipamezole undergoes extensive hepatic biotransformation, with excretion of metabolites

The half-life of atipamezole in dogs range from 0.5 to 5 hours, depending on the dose level and the dog's

The duration of action of atipamezole on dogs treated with　analogue analgesics, the duration of action of atipamezole is much longer than that of nor-adrenaline or adrenaline.

The relative difference in circulating plasma levels following the intravenous and intramuscular routes of administration was 2.2 times.

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HOW SUPPLIED:

ANTISEDAN is supplied in 10-mL, multidose vials containing 5.0 mg of

STORAGE INFORMATION:

In clinical studies, the effects of atipamezole in dogs sedated with medetomidine or dexmedetomidine were similar to those of atipamezole alone.

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Atipamezole has not been evaluated in breeding dogs; therefore, the drug is

The clinical signs include 2-515% of dogs exhibited no adverse

EFFECTIVENESS:

One hundred and nine dogs received atipamezole in the field study (55 dogs

Vehicle: Placebo: From the five dogs treated with placebo, three dogs died, nine dogs survived. One dog responded normally to

Both atipamezole and　agonists, atipamezole also causes hypothermia, bradycardia, and respiratory depression.

Atipamezole was tolerated in healthy dogs receiving 10X the recommended

Atipamezole dose in the absence of medetomidine or dexmedetomidine exhibited no adverse

3X treatment group. Localized skeletal muscle injury was seen at the injection site but no

Creatine kinase also increased in 3 (of 6) dogs in the

Atipamezole administered at five times the recommended dose was well tolerated by the dogs. The potential for adverse effects or behavioral changes should be considered in the handling of dogs emerging from sedation, especially in dogs predisposed to excitation or flight. Also, sedation is a stage when dogs might fall asleep.

transient hypertension, with a return to baseline values by 2 hours post-treatment. A few dogs developed a transient bradycardia.

The body temperature remained at the same level during the 120

and IM medetomidine dogs may not return to

5. Minimum age and weight:

in the IM treatment groups. The body temperature remained at the same level during the 120

Bradycardia resolved more slowly in the　agonist treatment, and is probably due to

The minimum age for　sedation is 6 months of age or in dogs weighing less than 4.4 lbs (2 kg).

6. Adrenalinedrugs:
The efficacy of atipamezole in anesthetized cats in dogs with compromised

Generalized effects: The unknown effects include excitement, panting, trembling,

In the　agonist treatment groups, the respiratory rate elevations above baseline. Respiratory rate increases following atipamezole injection.

Blood pressure is initially increased due to peripheral vasoconstriction and thereafter drops to

The systolic blood pressure and diastolic blood pressure in dogs receiving IM or IV atipamezole were not different.

Dose table for ANTISEDAN (3750 mcg/m2) when

Table 2: Dose table for ANTISEDAN (5000 mcg/m2) when

2-adrenergic antagonist.

In the　agonist treatment groups, the respiratory rate elevations above baseline. Respiratory rate increases following atipamezole injection.

The　agonist treatment, and is probably due to

ADVERSE REACTIONS:

Adverse reactions associated with the cardiovascular system are especially rare.

6. Minimum age and weight:

Dogs with a known hypersensitivity to the　agonists are usually and consistently with (medetomidine or　and medetomidine. Atipamezole does not reverse

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2-adrenergic agonist.
4. Debilitated dogs:
Additional procedures for the control of pain may be required.

Sedation relapse is more likely to occur in dogs that receive an alpha
medetomidine or dexmedetomidine sedation, complete physiologic return to pretreatment status
2. Sedation relapse:
fall.

especially in dogs predisposed to nervousness or fright. Also, avoid situations where a dog might
aggressive behavior should be considered in the handling of dogs emerging from sedation,

1. Handling:
ANTISEDAN can produce an abrupt reversal of sedation; therefore, dogs that have

Atipamezole hydrochloride can be absorbed and may cause irritation following direct exposure
HUMAN WARNINGS:
Administration of atipamezole is contraindicated in dogs with a known hypersensitivity to the

while handling and using filled syringes.
When handling and using filled syringes:

Atipamezole undergoes extensive hepatic biotransformation, with excretion of metabolites
The safety data sheet (SDS) contains more detailed occupational safety information. The

In case of accidental skin exposure, wash with soap and water. Remove contaminated clothing.

in the IM treatment groups. The body temperature remained at the same level during the 120

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Normal treatment times (after IV dexmedetomidine). Many physiological responses were slightly slower to return
normal between 0 and 5 minutes after the administration of atipamezole in all treatment groups.

In additional safety studies, adverse events were absent up to the 3X dose of
atipamezole dose in the absence of medetomidine or dexmedetomidine exhibited no adverse

In a study, the mean time to normal body temperature in normal dogs was 69 minutes after treatment with

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onset of normal body temperature was 76 minutes after injection of atipamezole.

in a range of 39-57 minutes after administration of either
medetomidine-induced sedation. Elimination half-life from serum is less than 3 hours.

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Basic life support procedures should be started immediately.

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