

# PANOQUELL®-CA1

**Introducing** the First FDA Conditionally Approved Innovative Solution for Acute Canine Pancreatitis

**User Safety Warnings: Not for use in humans. Keep this medication out of reach of children.** Limited data is available on the potential teratogenic effects of fuzapladib.

In case of accidental self-injection, skin contact, eye exposure, or accidental ingestion refer to the package insert.

To obtain a Safety Data Sheet, report suspected adverse drug experiences, or for technical assistance, contact Ceva Animal Health at 1-800-999-0297.

For additional information about reporting adverse drug experiences for animal drugs, contact FDA at 1-888-FDA-VETS or at [www.fda.gov/reportanimalae](http://www.fda.gov/reportanimalae).

 **PANOQUELL®-CA1**  
(fuzapladib sodium for injection)

**14 mg fuzapladib sodium per vial  
4 mg/mL when reconstituted**

**For intravenous use in dogs only.  
Reconstitute before using.**

PANOQUELL®-CA1 is a leukocyte function-associated antigen 1 (LFA-1) activation inhibitor.

**Indication:** For the management of clinical signs associated with acute onset of pancreatitis in dogs.

**Conditionally approved by FDA pending a full demonstration of effectiveness under application number 141-567. It is a violation of Federal law to use this product other than as directed in the labeling.**

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



PANOQUELL® is a registered trademark of Ishihara Sangyo Kaisha, Ltd.  
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PAN-100-22v2



Signs of Pancreatitis

Breeds at Risk

Introducing PANOQUELL®-CA1

Important Safety Information

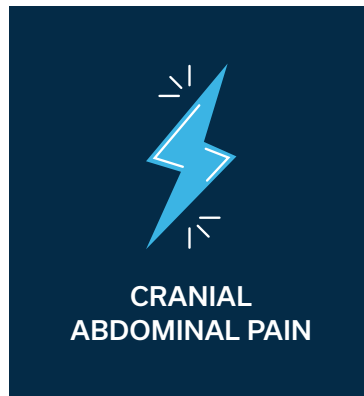
# Because you never know where it could go...

## Pancreatitis in dogs is a common GI disease.

Unfortunately, prevalence is unknown and causes can vary. Severity ranges from mild to severe and can change daily, which can lead to lasting damage such as **recurrent pancreatitis**, **diabetes mellitus** and **exocrine pancreatic insufficiency**.<sup>1</sup>

All of this leads to unexpectedly high patient costs due to **hospitalization** and **supportive care**. This leads to added stress to the pet, veterinarian and pet owner.

**MCAI-5 is the “Modified Canine Activity Index” and uses these 5 signs to objectively measure severity of disease<sup>2</sup>:**



<sup>1</sup> Cridge H, Scott N, Steiner JM. Risk Factors and Clinical Presentation in Dogs with Increased Serum Pancreatic Lipase Concentrations-A Descriptive Analysis. *Animals (Basel)*. 2022 Jun 19;12(12):1581. doi: 10.3390/ani12121581. PMID: 35739917; PMCID: PMC9219463.

<sup>2</sup> Keany, KM, Fosgate, GT, Perry, SM, Stroup, ST, Steiner, JM. Serum concentrations of canine pancreatic lipase immunoreactivity and C-reactive protein for monitoring disease progression in dogs with acute pancreatitis. *J Vet Intern Med*. 2021; 35( 5): 2187- 2195. <https://doi.org/10.1111/jvim.16218>



# Breeds most at risk<sup>3</sup>

Changing the current standard of care with PANOQUELL<sup>®</sup>-CA1.

SCHNAUZER

YORKSHIRE  
TERRIER

POODLE

COCKER  
SPANIEL

<sup>3</sup>Cridge, H, Lim, SY, Algül, H, Steiner, JM. New insights into the etiology, risk factors, and pathogenesis of pancreatitis in dogs: Potential impacts on clinical practice. J Vet Intern Med. 2022; 36( 3): 847- 864. doi:10.1111/jvim.16437



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Important Safety Information



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# Introducing PANOQUELL®-CA1 (fuzapladib sodium for injection)

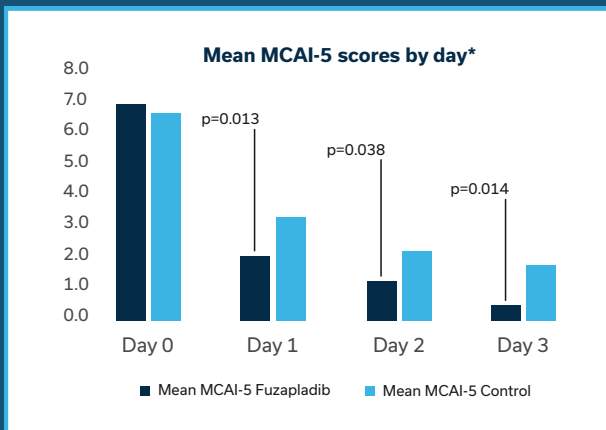
A fast, safe and effective solution for the management of the inflammation associated with acute canine pancreatitis (ACP).

PANOQUELL®-CA1 contains fuzapladib sodium, which inhibits the infiltration of neutrophilic inflammation within the pancreas that occurs in ACP. This action is proven to reduce pancreatic inflammation and support faster recovery.

## FAST & EFFECTIVE

## COST EFFECTIVE

## SAFE



*Statistically significant reduction in clinical signs to day 3 compared to control group*

PANOQUELL®-CA1 is proven to quickly reduce clinical signs and measurable values such as canine pancreas-specific lipase (Spec cpL) and C-reactive protein (CRP) associated with ACP.<sup>4</sup>

\*Dogs treated with fuzapladib had a statistically significant reduction in MCAI-5 scores compared to control ( $p=0.0135$ ), significant daily differences are compared to day 0.

<sup>4</sup><https://animaldrugsatfda.fda.gov/adafda/app/search/public/document/downloadFoi/1313>

How It Works

How to Administer

Dosage and Vial Chart



Signs of Pancreatitis

Breeds at Risk

Introducing PANOQUELL®-CA1

Important Safety Information



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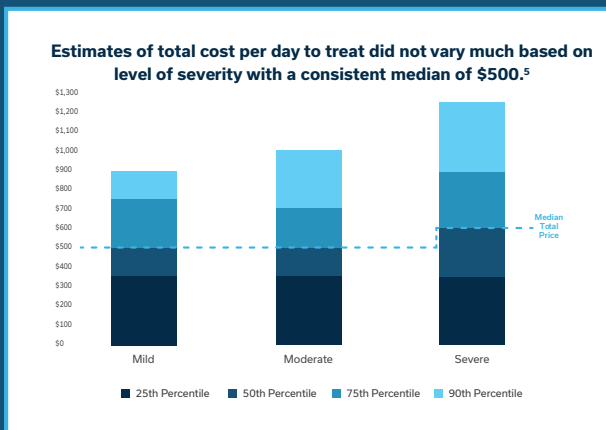
A fast, safe and effective solution for the management of the inflammation associated with acute canine pancreatitis (ACP).

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## COST EFFECTIVE

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PANOQUELL®-CA1 is cost effective due to quick onset and can lead to reduction in time spent in hospital.

With the multi-use vial, there is the ability to treat multiple patients and there is a reduction in waste.

<sup>5</sup>Data on file.

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Breeds at Risk

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## FAST & EFFECTIVE

## COST EFFECTIVE

## SAFE



PANOQUELL®-CA1 can be given in conjunction with other supportive care treatments.

In the safety study, it did not produce systemic toxicity when given with other treatments and at high doses. It had an acceptable margin of safety.<sup>4</sup>

<sup>4</sup><https://animaldrugsatfda.fda.gov/adafda/app/search/public/document/downloadFoi/13134>

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How to Administer

Dosage and Vial Chart



Signs of Pancreatitis

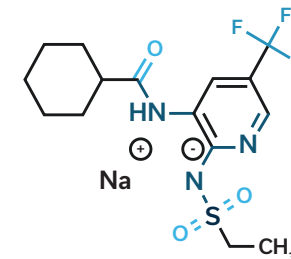
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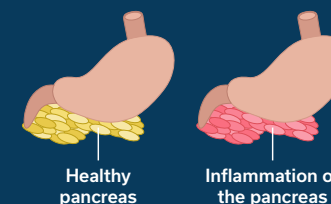
# How it works - Take the "ITIS" out of pancreatitis.

PANOQUELL®-CA1 (fuzapladib sodium for injection) is a Leukocyte Function Associated Antigen-1 (LFA-1) activation inhibitor. LFA-1 plays a key role in extravasation, which is the process by which leukocytes leave the bloodstream to enter the tissues.



## Role of LFA-1 in acute pancreatitis<sup>6,7</sup>

Infiltration of neutrophils is a hallmark of ACP. LFA-1 is essential to this process. LFA-1 is expressed on the neutrophil surface and its ligand, ICAM-1, is expressed on the vascular endothelium. Together they mediate neutrophilic-driven inflammation and migration into pancreatic and extrapancreatic tissues.



The activation of the LFA-1 by chemokines and the upregulation of its ligand, ICAM-1, lead to "**arrest**" of circulating neutrophils at the site of inflammation. Arrested neutrophils now stick to the blood vessel wall, "**adhesion**", and invade, "**migration**", into the tissues.

Once in the tissue, neutrophils release additional inflammatory mediators. These mediators attract more neutrophils and other inflammatory cells.

Especially in severe cases, there is extrapancreatic inflammation, potentially leading to multi-organ failure, systemic inflammatory response syndrome (SIRS) and death.

← Back

<sup>6</sup>Thorlacius, H., et al. (2011), Lymphocyte function antigen-1 regulates neutrophil recruitment and tissue damage in acute pancreatitis. *British Journal of Pharmacology*, 163: 413-423. <https://doi.org/10.1111/j.1476-5381.2011.01225.x>  
<sup>7</sup>Sun W, Watanabe Y, Wang ZQ. Expression and significance of ICAM-1 and its counter receptors LFA-1 and Mac-1 in experimental acute pancreatitis of rats. *World Journal of Gastroenterology*. 2006 Aug;12(31):5005-5009. DOI: 10.3748/wjg.v12.i31.5005. PMID: 16937496; PMCID: PMC4087403.



# How to administer PANOQUELL<sup>®</sup>-CA1 (fuzapladib sodium for injection)

PANOQUELL<sup>®</sup>-CA1 is indicated for the management of clinical signs associated with acute onset of pancreatitis in dogs. PANOQUELL<sup>®</sup>-CA1 is an intravenous (IV) injection dosed once a day for 3 days. The IV injection can be given over 15 seconds to 1 minute as a bolus.

## How to reconstitute and use:

**1**

Transfer 3.5 mL of sterile diluent into the vial with PANOQUELL<sup>®</sup>-CA1 lyophilized powder.

**2**

Gently swirl the vial until the powder is fully reconstituted into solution.

**3**

Before each use, gently swirl to ensure uniform solution.

**4**

Draw up appropriate dose and administer to patient.

PANOQUELL<sup>®</sup>-CA1 is a 4 mg/mL solution when reconstituted. It comes in a multi-use vial. Once reconstituted, it remains stable under refrigeration for 28 days.

[← Back](#)



# PANOQUELL<sup>®</sup>-CA1 Dosage Chart (0.4mg/kg IV once a day for 3 days)

BODY WEIGHT IN LBS	BODY WEIGHT IN KGS	mL/DAY
1-5**	0.5-2.3	0.05-0.23 mL
6-10**	2.7-4.5	0.27-0.45 mL
11-15**	5.0-6.8	0.50-0.68 mL
16-20**	7.3-9.1	0.73-0.91 mL
21-25**	9.5-11.4	0.95-1.1 mL
26-30	11.8-13.6	1.2-1.4 mL
31-35	14.1-15.9	1.4-1.6 mL
36-40	16.4-18.2	1.6-1.8 mL
41-45	18.6-20.5	1.9-2.0 mL
46-50	20.9-22.7	2.1-2.3 mL

BODY WEIGHT IN LBS	BODY WEIGHT IN KGS	mL/DAY
51-55	23.2-25.0	2.3-2.5 mL
56-60	25.5-27.3	2.5-2.7 mL
61-65	27.7-29.5	2.8-3.0 mL
66-70	30.0-31.8	3.0-3.2 mL
71-75	32.3-34.1	3.2-3.4 mL
76-80	34.5-36.4	3.5-3.6 mL
81-85	36.8-38.6	3.7-3.9 mL
86-90	39.1-40.9	3.9-4.1 mL
91-95	41.4-43.2	4.1-4.3 mL
96-100	43.6-45.5	4.4-4.5 mL

\*\*Small breed dogs at highest risk for acute canine pancreatitis.

[← Back](#)

[Next →](#)



# PANOQUELL<sup>®</sup>-CA1 Vial Chart

BODY WEIGHT IN LBS	VIALS USED OVER 1 DAY	VIALS USED OVER 3 DAYS
1-5**	0.01-0.06	0.04-0.19
6-10**	0.08-0.13	0.23-0.39
11-15**	0.14-0.19	0.43-0.58
16-20**	0.21-0.26	0.62-0.78
21-25**	0.27-0.32	0.82-0.97
26-30	0.34-0.39	1.01-1.17
31-35	0.40-0.45	1.21-1.36
36-40	0.47-0.52	1.40-1.56
41-45	0.53-0.58	1.60-1.75
46-50	0.60-0.65	1.79-1.95

BODY WEIGHT IN LBS	VIALS USED OVER 1 DAY	VIALS USED OVER 3 DAYS
51-55	0.66-0.71	1.99-2.14
56-60	0.73-0.78	2.18-2.34
61-65	0.79-0.84	2.38-2.53
66-70	0.86-0.91	2.57-2.73
71-75	0.92-0.97	2.77-2.92
76-80	0.99-1.04	2.96-3.12
81-85	1.05-1.10	3.16-3.31
86-90	1.12-1.17	3.35-3.51
91-95	1.18-1.23	3.55-3.70
96-100	1.25-1.30	3.74-3.90

\*\*Small breed dogs at highest risk for acute canine pancreatitis.

[← Back](#)



**PCANOQUELL-CA1**  
(fuzapladib sodium for injection)

4 mg/mL when reconstituted

Leukocyte function-associated antigen 1 (LFA-1) activation inhibitor

For intravenous use in dogs only

**CAUTION:**

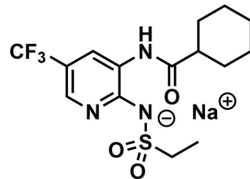
Federal law restricts this drug to use by or on the order of a licensed veterinarian.

Conditionally approved by FDA pending a full demonstration of effectiveness under application number 141-567.

It is a violation of Federal law to use this product other than as directed in the labeling.

**DESCRIPTION:**

PANOQUELL®-CA1 (fuzapladib sodium for injection) is a selective inhibitor of LFA-1. Fuzapladib sodium is the non-proprietary designation for N-[2-((ethylsulfonyl)amino)-5-(trifluoromethyl)-3-pyridinyl] cyclohexanecarboxamide monosodium. PANOQUELL®-CA1 has a molecular weight of 401.38 and the following structural formula:



PANOQUELL®-CA1 consists of two separate vials. One vial contains 14 mg of fuzapladib sodium, 52.5 mg of D-mannitol, and 21 mg of tromethamine as sterile lyophilized powder. The second vial of 3.9 mL sterile diluent (bacteriostatic water for injection), containing 1.8% w/v benzyl alcohol, is for reconstituting the sterile lyophilized powder prior to use. No other diluent should be used. When reconstituted with 3.5 mL of the provided Bacteriostatic Water for Injection, each milliliter of reconstituted drug product contains 4 mg fuzapladib sodium, 15 mg D-mannitol, 6 mg tromethamine, and 18 mg benzyl alcohol. The pH was adjusted with hydrochloric acid or sodium hydroxide.

**INDICATION:**

PANOQUELL®-CA1 is indicated for the management of clinical signs associated with acute onset of pancreatitis in dogs.

**DOSAGE AND ADMINISTRATION:**

Prior to use, the sterile lyophilized powder should be reconstituted (see **Reconstitution Procedures**) using the sterile diluent provided, resulting in a 4 mg/mL solution of PANOQUELL®-CA1. Once reconstituted, swirl the bottle gently before every use to ensure a uniform solution.

The reconstituted product is administered at a dosage of 0.4 mg (0.1 mL) per kg body weight once daily for three consecutive days by intravenous (IV) bolus injection over 15 seconds to 1 minute.

**Reconstitution Procedures:**

The items needed for reconstitution are:

- Sterile PANOQUELL®-CA1 lyophilized powder
- Sterile diluent
- Sterile 5 mL syringe for transfer of diluent
- Sterile needle

Steps for reconstitution:

1. Using a sterile needle and syringe, withdraw 3.5 mL of the sterile diluent from the vial and slowly transfer the sterile diluent into the vial containing the sterile PANOQUELL®-CA1 lyophilized powder through the stopper. There is more sterile diluent supplied than the 3.5 mL needed for reconstitution.
2. Once the sterile diluent has been added to the powder vial, remove the needle and syringe from the vial. Discard unused sterile diluent, syringe, and needle.
3. Gently swirl the vial until the powder is fully reconstituted into solution, leaving no visible residue or un-dissolved material.
4. Before each use, gently swirl to ensure a uniform solution.
5. Draw up the appropriate dose using a new sterile needle and syringe.
6. Administer the dose promptly after drawing into the dosing syringe.
7. Store any remaining reconstituted product at refrigerated conditions, 36° to 46°F (2° to 8°C). Reconstituted product remains stable under refrigeration for 28 days.

**CONTRAINDICATIONS:**

Do not use in dogs with a known hypersensitivity to fuzapladib sodium.

**WARNINGS:**

**User Safety Warnings:**

Not for use in humans. Keep this medication out of reach of children.

In case of accidental self-injection:

- Seek medical advice immediately and show the package insert or label to the physician.

In case of accidental skin contact:

- Wash the exposed skin with water for at least 15 minutes.
- If redness and swelling occur, seek medical advice immediately and show the package insert or label to the physician.

In case of accidental eye exposure:

- Wash the eyes with water for at least 15 minutes.
- If wearing contact lenses, rinse the eyes first, then remove contacts and continue to rinse with water.
- If redness and swelling occur, seek medical advice immediately and show the package insert or label to the physician.

In case of accidental ingestion:

- Rinse the mouth out with water.
- Do not induce vomiting unless directed to do so by medical personnel.
- Seek medical advice immediately and show the package insert or label to the physician.

Limited data is available on the potential teratogenic effects of fuzapladib sodium. Therefore, anyone who is pregnant, breast feeding, or planning to become pregnant should avoid direct contact with PANOQUELL®-CA1.

Anyone with known hypersensitivity to fuzapladib sodium or to any of the excipients should avoid contact with PANOQUELL®-CA1.

To obtain a Safety Data Sheet, contact Ceva Animal Health, LLC, at 1-800-999-0297 or www.ceva.com.

**PRECAUTIONS:**

PANOQUELL®-CA1 is highly protein bound. Use with caution with other medications that are highly protein bound. The concomitant use of PANOQUELL®-CA1 with other protein bound drugs has not been studied in dogs. Commonly used protein bound drugs include non-steroidal anti-inflammatory drugs (NSAIDs), anti-emetics, antibiotics, diuretics, and behavioral medications. Drug compatibility should be monitored in patients requiring adjunctive therapy. Concurrent medications used during the pilot effectiveness study with fuzapladib sodium included, but were not limited to, pain medications (excluding NSAIDs), anti-

emetics, parasiticides, vaccinations, and medications used to treat well-controlled pre-existing conditions.

The safe use of PANOQUELL®-CA1 has not been evaluated in dogs with cardiac disease, hepatic failure, or renal impairment.

The safe use of PANOQUELL®-CA1 has not been evaluated in dogs that are pregnant, lactating, or intended for breeding.

The safe use of PANOQUELL®-CA1 has not been evaluated in dogs less than 6 months of age.

**ADVERSE REACTIONS:**

In a well-controlled pilot field study to assess the effectiveness and safety of fuzapladib sodium (not commercial formulation) in client-owned dogs diagnosed with acute onset of pancreatitis (see **REASONABLE EXPECTATION OF EFFECTIVENESS**), 31 dogs administered fuzapladib sodium and 30 dogs administered vehicle control were evaluated for safety. The vehicle control was excipient sterile lyophilized powder solubilized in 1 mL of Sterile Water for Injection, USP. The adverse reactions observed in the study and the number of dogs experiencing each adverse reaction is summarized in Table 1.

**Table 1: Adverse Reactions During the Pilot Field Study**

Adverse Reaction	Fuzapladib Sodium (n = 31) (%)	Vehicle Control (n = 30) (%)
Anorexia	5 (16.1%)	2 (6.7%)
Digestive tract disorders	5 (16.1%)	3 (10.0%)
Respiratory tract disorders	4 (12.9%)	3 (10.0%)
Hepatopathy, jaundice	4 (12.9%)	2 (6.7%)
Abnormal urine	3 (9.7%)	2 (6.7%)
Diarrhea	3 (9.7%)	1 (3.3%)
Arrhythmia	2 (6.5%)	1 (3.3%)
Cardiac arrest	2 (6.5%)	0
Hyperthermia	2 (6.5%)	0
Pruritis, urticaria	2 (6.5%)	0
Hypersalivation	2 (6.5%)	0
Heart murmur	1 (3.2%)	2 (6.7%)
Limb edema	1 (3.2%)	2 (6.7%)
Subcutaneous swelling, bruising at injection site	1 (3.2%)	1 (3.3%)
Tremor/shivering/shaking	1 (3.2%)	1 (3.3%)
Abrasion	1 (3.2%)	1 (3.3%)
Cerebral edema	1 (3.2%)	0
Anaphylaxis	1 (3.2%)	0
Hypertension	1 (3.2%)	0

In Table 1 above, digestive tract disorders included regurgitation (1 fuzapladib, 2 vehicle control), vomiting (1 fuzapladib, 1 vehicle control), flatulence (1 fuzapladib), nausea (1 fuzapladib), and enteritis (1 fuzapladib). Respiratory tract disorders included pneumonia (2 fuzapladib, 1 vehicle control), inspiratory crackles (1 fuzapladib, 2 vehicle control), tachypnea (2 fuzapladib), and dyspnea (1 fuzapladib). Abnormal urine included proteinuria (2 fuzapladib, 2 vehicle control), hematuria (2 vehicle control), and malodorous urine (1 fuzapladib). Some of these dogs were reported with more than one abnormality.

Note: Some dogs experienced an adverse reaction on more than one occasion but are only presented once in the table above for each reported adverse reaction. Five out of the 61 enrolled dogs died during the study: four in the fuzapladib sodium group and one in the vehicle

Next →



Signs of Pancreatitis

Breeds at Risk

Introducing PANOQUELL®-CA1

Important Safety Information

control group. Two additional dogs in the vehicle control group were euthanized shortly after completion of the study. Of the seven dogs that died or were euthanized during or after the study, three deaths could be attributed to complications from severe acute onset of pancreatitis: two in the fuzapladib sodium group and one in the vehicle control group. One dog in the fuzapladib sodium group was suspected to have aspiration pneumonia and died after experiencing cardiac arrest. One dog in the vehicle control group was euthanized because of a poor prognosis. Two deaths could be attributed to causes other than acute onset of pancreatitis: one dog in the fuzapladib sodium group had intestinal lymphoma and one vehicle control group dog had a cranial thromboembolic event and a pheochromocytoma.

#### Foreign Market Experience

The following adverse events were reported voluntarily during post-approval use of the product in dogs in foreign markets: facial and tongue swelling, collapse, and seizure. These adverse events occurred within 24 hours of administration.

#### CONTACT INFORMATION:

Contact Ceva Animal Health, LLC, at 1-800-999-0297 or [www.ceva.com](http://www.ceva.com).

To report suspected adverse drug experiences or for technical assistance, contact Ceva Animal Health, LLC, at 1-800-999-0297.

For additional information about reporting adverse drug experiences for animal drugs, contact FDA at 1-888-FDA-VETS or at [www.fda.gov/reportanimalae](http://www.fda.gov/reportanimalae)

#### CLINICAL PHARMACOLOGY:

##### Mechanism of action

PANOQUELL®-CA1 (fuzapladib sodium for injection) has anti-inflammatory effects through its ability to inhibit activation of LFA-1, resulting in inhibition of inflammatory cell adhesion and migration into sites of tissue injury and inflammation. These anti-inflammatory properties are thought to limit pancreatic lesion expansion and help prevent complications such as multi-organ failure.

#### Pharmacokinetics

Following once daily IV administration of PANOQUELL®-CA1 at 0.4 mg/kg, 1.2 mg/kg, and 2 mg/kg for nine consecutive days, minimal accumulation was observed with a mean accumulation ratio of 1.37, 1.36, and 1.35, respectively. The extent of plasma exposure (AUC) was greater than dose-proportional between 0.4 and 2 mg/kg after the first dose and ninth dose.

**Table 2: Mean (± standard deviation) pharmacokinetic parameters of fuzapladib sodium following nine IV doses of 0.4 mg/kg in dogs**

C <sub>0</sub> (µg/mL)	3.55 ± 1.17
AUC <sub>ss</sub> (hour*µg/mL)	19.2 ± 12.7
T <sub>1/2</sub> (hour)	7.32 ± 4.08
V <sub>ss</sub> (L/kg)	0.216 ± 0.070
Cl <sub>ss</sub> (L/h/kg)	0.026 ± 0.009

C<sub>0</sub>: Back-extrapolated plasma concentration of fuzapladib sodium at time zero by a log-linear regression of first two data points following IV administration  
 AUC<sub>ss</sub>: Area under the plasma concentration versus time curve during dosing interval at steady state  
 T<sub>1/2</sub>: Terminal elimination half-life  
 V<sub>ss</sub>: Volume of distribution at steady state  
 Cl<sub>ss</sub>: Clearance at steady state

#### REASONABLE EXPECTATION OF EFFECTIVENESS:

A reasonable expectation of effectiveness may be demonstrated based on evidence such as, but not limited to, pilot data in the target species or studies from published literature.

PANOQUELL®-CA1 is conditionally approved pending a full demonstration of effectiveness. Additional information for Conditional Approvals can be found at [www.fda.gov/animalca](http://www.fda.gov/animalca)

The reasonable expectation of effectiveness for PANOQUELL®-CA1 for the management of clinical signs associated with acute onset of pancreatitis in dogs was based on a pilot field study.

The effectiveness of fuzapladib sodium (not commercial formulation) was demonstrated in a well-controlled pilot field study. A total of 61 client-owned dogs of various breeds between 1.8 and 15.9 years old were enrolled in the study and 36 dogs were included in the effectiveness analysis. Dogs were diagnosed with acute onset of pancreatitis based on clinical signs, clinical pathology results, and a Day 0 canine pancreatic lipase immunoreactivity (cPLI) concentration of ≥ 400 µg/L. Abdominal imaging consisting of ultrasound and/or radiographs were evaluated to exclude cases of gastrointestinal obstruction/foreign body and abdominal masses. Dogs with severe concurrent life-threatening illness other than acute pancreatitis were also excluded. Of the 25 dogs excluded from the effectiveness analysis, most of these dogs (19) began the study before the cPLI results from Day 0 were finalized and were later excluded because their cPLI results were ≤ 400 µg/L. Six dogs were excluded for other reasons.

Of the 36 dogs included in the effectiveness analysis, 17 dogs received 0.4 mg/kg fuzapladib sodium and 19 dogs received 0.1 mL/kg vehicle control (excipient lyophilized powder solubilized in 1 mL of Sterile Water for Injection, USP) IV once daily for three days. All dogs enrolled in the study received the standard of care for acute onset of pancreatitis, including fluids, nutritional support, pain medications (excluding NSAIDs), anti-emetics, and medications used to treat well-controlled pre-existing conditions. Some dogs also received parasiticides and vaccinations.

A Modified Canine Activity Index (MCAI) was used to evaluate and score the following seven clinical signs relevant in dogs with acute pancreatitis: Activity, Appetite (voluntary food intake), Vomiting, Cranial abdominal pain, Dehydration, Stool consistency, and Blood in the stool.

The primary effectiveness variable was the change in the group mean total MCAI score from Day 0 (pre-treatment) to Day 3, as assessed by the Investigator. Day 0 mean MCAI scores for the fuzapladib sodium and vehicle control groups were 8.53 and 7.68, respectively. The changes in the mean total MCAI scores from Day 0 to 3 for the fuzapladib sodium and vehicle control groups were -7.7 and -5.7, respectively. Dogs treated with fuzapladib sodium had a statistically significant reduction in MCAI scores compared to control (p = 0.0193).

#### TARGET ANIMAL SAFETY:

In a 9-day laboratory study, 32 healthy intact Beagle dogs (4 dogs/sex/group) aged 6 to 7 months were administered 0.4 (1X), 1.2 (3X), or 2 (5X) mg/kg PANOQUELL®-CA1, or saline control, by IV injection once daily for 9 days. All dogs survived to study termination. The administration of PANOQUELL®-CA1 resulted in hypertension and injection site swelling and bruising in a dose dependent manner with increased frequency in the higher dose groups. Hypertension (systolic blood pressure values of ≥ 160 mmHg) was observed only in dogs administered PANOQUELL®-CA1 and occurred only at the end of the study. Mild thrombocytopenia of 121-169 x 10<sup>3</sup>/L (reference range: 171- 361 x 10<sup>3</sup>/L) was observed in two 0.4 mg/kg group dogs and one 2 mg/kg group dog on one day each. One dog in the 0.4 mg/kg group also had bruising of the injection site that coincided with the thrombocytopenia. One dog in the 2 mg/kg group had pain associated with the injection on the last day of dosing. Focal subcutaneous hemorrhage of the injection sites was observed on gross necropsy in all groups, including control, but increased in severity in a dose dependent manner. On histopathology, observations of increased incidence and severity of dermal fibroplasia, subcutaneous inflammation, and subcutaneous hemorrhage of the injection sites were found only in dogs administered PANOQUELL®-CA1.

#### HOW SUPPLIED:

PANOQUELL®-CA1 consists of two separate vials. One vial contains 14 mg of fuzapladib sodium, 52.5 mg of D-mannitol, and 21 mg of tromethamine as sterile lyophilized powder. The second vial of 3.9 mL sterile diluent (bacteriostatic water for injection), containing 1.8% w/v benzyl alcohol, is for reconstituting the sterile lyophilized powder prior to use. No other diluent should be used.

#### STORAGE, HANDLING, AND DISPOSAL:

Store unopened vials at room temperature, 59° to 77°F (15° to 25°C). Store the reconstituted product at refrigerated conditions, 36° to 46°F (2° to 8°C). Use within 28 days of first puncture.

#### MANUFACTURED FOR:

Ishihara Sangyo Kaisha, Ltd., Osaka, Japan

#### DISTRIBUTED BY:

Ceva Animal Health, LLC  
 Lenexa, KS 66215

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ISK/PAN/P1/1

Revision date: 10/22



← Back



Signs of Pancreatitis

Breeds at Risk

Introducing PANOQUELL®-CA1

Important Safety Information