

# A novel treatment option for canine lymphoma



Patient Status:  
**Declined Referral**

<b>Sadie</b>	12 year old	Spayed Female	Aussie / Lab mix
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- **Chief Complaint:** Rapid onset of symptoms including lethargy and loss of appetite.
- **Diagnosis:** Diffuse, large, B-cell lymphoma.
- **Client Perspective:** Concerned that aggressive treatment may further decrease quality of life, family opted not to pursue chemotherapy.
- **Treatment:** LAVERDIA-CA1 prescribed as a single agent treatment.



Patient Status:  
**Waiting for Specialist Appointment**

<b>Scout</b>	10 year old	Neutered Male	Golden Retriever
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- **Chief Complaint:** Owner noticed "swelling" in neck, otherwise happy and healthy.
- **Diagnosis:** Peripheral T-cell lymphoma.
- **Client Perspective:** Immediately confident about pursuing chemotherapy, client learns there's a 3-week wait to see a specialist.
- **Treatment:** Consulting with specialist, you prescribe LAVERDIA-CA1 to help slow lymphoma progression.



Patient Status:  
**Stopped Chemotherapy**

<b>Pepper</b>	9 year old	Neutered Male	German Shepherd
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- **Chief Complaint:** Patient completed CHOP 8 months ago, client recognized enlarged lymph node.
- **Diagnosis:** Relapse, diffuse, large, T-cell lymphoma.
- **Client Perspective:** Client can't manage another round of chemotherapy, concerned about quality of life and cost.
- **Treatment:** LAVERDIA-CA1 offers another treatment option, with the convenience of at-home administration.

## What does Conditional Approval Mean?

For a veterinary drug to receive conditional approval, it must be shown to be safe when used according to the label. It must also demonstrate a "reasonable expectation of effectiveness," but has not yet proven that it meets the "substantial evidence" standard of effectiveness for full approval. While a drug is conditionally approved it is not to be used for any off-label species or indications.

# First-in-class SINE technology



**Targeted**  
Kills cancer cells at the nuclear core, generally sparing healthy ones<sup>1</sup>



**Convenient**  
Twice weekly at-home oral administration



**Affordable**  
Priced to expand your options and treat more patients



For technical questions contact **Dechra Veterinary Technical Support** at (866)-933-2472

### IMPORTANT SAFETY INFORMATION

For use in dogs only. Laverdia™-CA1 (verdinexor tablets) is conditionally approved for the treatment of lymphoma in dogs. NOT FOR USE IN HUMANS. KEEP THIS AND ALL MEDICATIONS OUT OF THE REACH OF CHILDREN. CHILDREN SHOULD NOT COME INTO CONTACT WITH LAVERDIA-CA1. Pregnant women, women who may become pregnant, nursing women and children should not handle or administer Laverdia-CA1 or come into contact with the feces, urine, saliva, or vomit of treated dogs for 3 days following treatment. Laverdia-CA1 can affect male fertility based on animal studies and studies in humans. Wear protective disposable chemotherapy resistant gloves when handling Laverdia-CA1 to avoid direct exposure to moistened, broken or crushed tablets or biological waste from the treated dog (feces, urine, saliva, or vomit). Do not use in dogs that are pregnant, lactating or intended for breeding. Laverdia-CA1 is a possible teratogen and can affect female and male fertility. Dogs should be frequently monitored for hematologic and serum chemistry abnormalities. The most commonly reported adverse reactions in dogs include anorexia, weight loss, vomiting, diarrhea, lethargy, polyuria, polydipsia, elevated liver enzymes and thrombocytopenia. Please see package insert or visit [dechra-us.com](http://dechra-us.com) for full prescribing information.

**CAUTION:** Federal (USA) law restricts this drug to use by or on the order of a licensed veterinarian. Use only as directed. It is a violation of Federal law to use this product other than as directed in the labeling.

1. Etchin J, Sun Q, Kentsis A, Farmer A, Zhang ZC, et al. (2013) Antileukemic activity of nuclear export inhibitors that spare normal hematopoietic cells. *Leukemia* 27: 66–74.

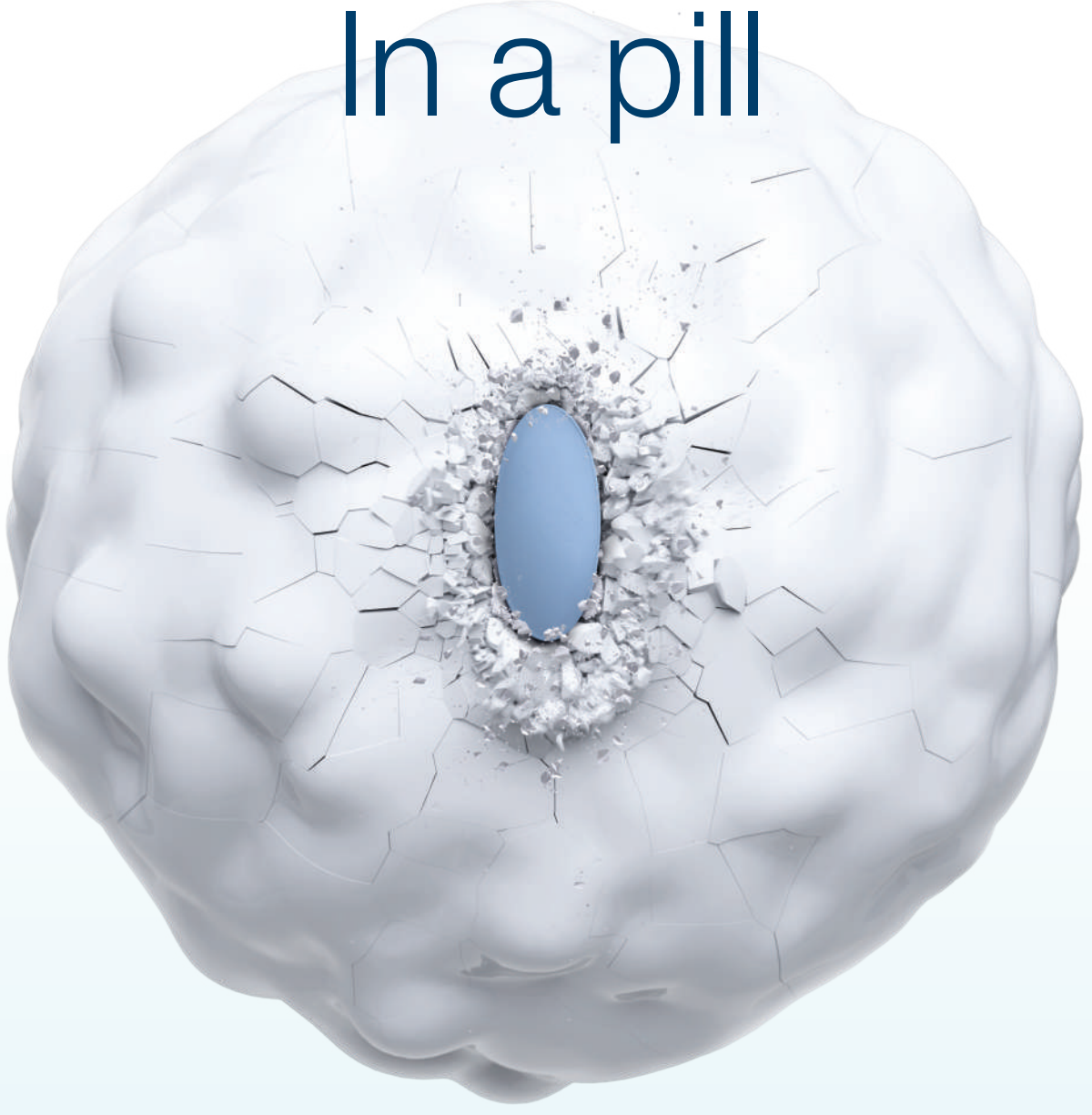
\*Conditionally approved by FDA pending a full demonstration of effectiveness under application number 141-526 14SD-LAV22011-0322



# LAVERDIA™-CA1 (verdinexor tablets)

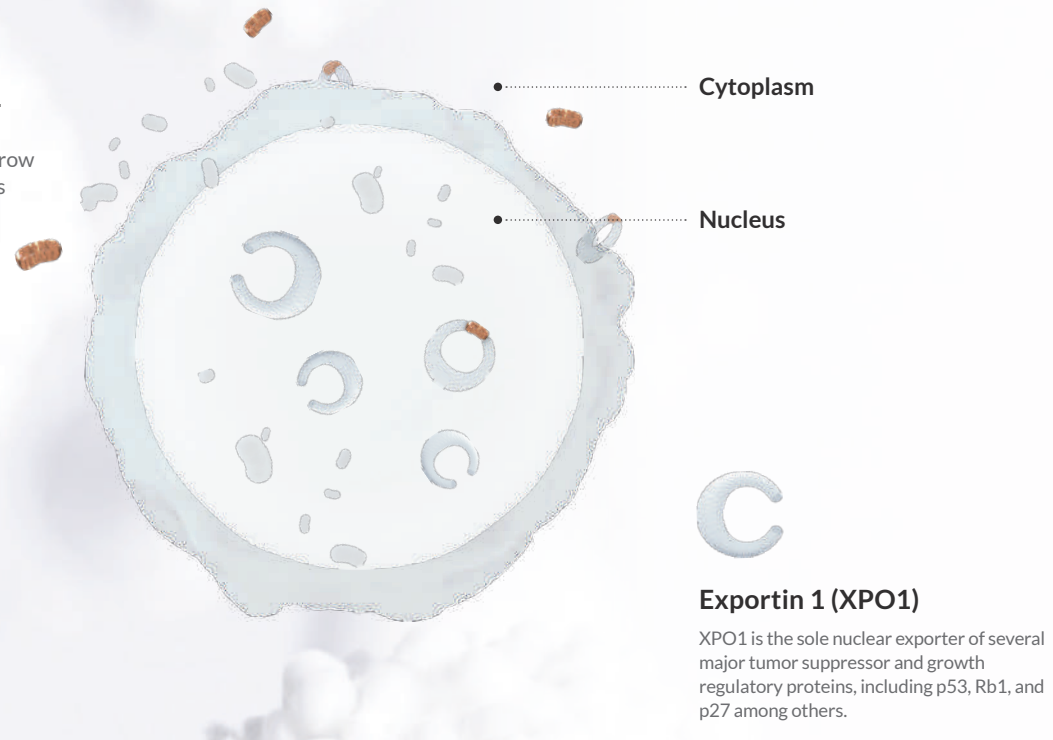
Conditionally approved by FDA pending a full demonstration of effectiveness under application number 141-526

# The Power To Treat Lymphoma, In a pill



## Lymphoma Cells Overproduce XPO1

XPO1 enables cancer cells to grow uncontrolled by exporting TSPs out of the cell nucleus



## Exportin 1 (XPO1)

XPO1 is the sole nuclear exporter of several major tumor suppressor and growth regulatory proteins, including p53, Rb1, and p27 among others.



## Verdinexor

Binds to XPO1 and selectively inhibits nuclear export of TSPs. This binding functionally inactivates XPO1 and targets the protein for proteasome degradation, resulting in restoration of TSP cellular localization and function. The binding is slowly reversible, contributing to relatively low toxicity for healthy cells.



## Tumor Suppressor Protein (TSP)

TSPs act inside the cell nucleus to suppress tumor growth.



## Triggers Apoptosis in Lymphoma Cells

Healthy cells are generally spared in this process while TSPs accumulate in lymphoma cells and cause apoptosis

Figure 1. SINE Mechanism of Action

## LAVERDIA™-CA1 (verdinexor tablets)

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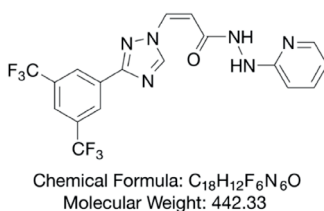
2.5 mg · 10 mg · 50 mg

Coated Tablets  
Antineoplastic  
For oral use in dogs only

**CAUTION:** Federal (USA) law restricts this drug to use by or on the order of a licensed veterinarian. Use only as directed. It is a violation of Federal law to use this product other than as directed in the labeling.

**DESCRIPTION:** LAVERDIA-CA1 (verdinexor tablets) is a selective inhibitor of nuclear export (SINE) that blocks chromosome region maintenance 1 (CRM1).

LAVERDIA-CA1 has the following structural formula:



**INDICATION:** LAVERDIA-CA1 is indicated for the treatment of lymphoma in dogs.

**DOSE AND ADMINISTRATION:** Always provide the Client Information Sheet to the dog owner with each prescription.

**Dosing Instructions:**

- Feed the dog immediately before giving LAVERDIA-CA1.
- Wear protective disposable chemotherapy resistant gloves when handling LAVERDIA-CA1 (see **USER SAFETY WARNINGS**).
- Administer LAVERDIA-CA1 at an initial dose of 1.25 mg/kg administered orally twice per week (e.g., Monday and Thursday or Tuesday and Friday) with at least 72 hours between doses (see **Table 1**).
- If tolerated after 2 weeks, increase the dose of LAVERDIA-CA1 to 1.5 mg/kg twice per week with at least 72 hours between doses (see **Table 2**).
- Dose reductions of 0.25 mg/kg to a minimum dose of 1 mg/kg twice per week with at least 72 hours between doses (see **Table 3**) or dose interruptions may be considered as a result of adverse reactions (See **ANIMAL SAFETY WARNINGS**, **PRECAUTIONS**, and **ADVERSE REACTIONS**).
- Do not split or crush tablets.

**Dosing Restrictions:**

Dogs weighing less than 9 kg may not be accurately dosed or undergo dose adjustments.

LAVERDIA-CA1 cannot be accurately increased in dose from 1.25 mg/kg to 1.5 mg/kg in dogs weighing 9 to 9.6 kg because the dose administered remains the same.

**Dosing Tables:**

Dog weight (kg)	Total mg to administer	Number of Tablets		
		2.5 mg tablets	10 mg tablets	50 mg tablets
9 – 11.5	12.5	1	1	-
11.6 – 13.5	15	2	1	-
13.6 – 15.5	17.5	3	1	-
15.6 – 17.5	20	-	2	-
17.6 – 19.5	22.5	1	2	-
19.6 – 21.5	25	2	2	-
21.6 – 23.5	27.5	3	2	-
23.6 – 25.5	30	-	3	-
25.6 – 27.5	32.5	1	3	-
27.6 – 29.5	35	2	3	-
29.6 – 31.5	37.5	3	3	-
31.6 – 33.5	40	-	4	-
33.6 – 35.5	42.5	1	4	-
35.6 – 37.5	45	2	4	-
37.6 – 39.5	47.5	3	4	-
39.6 – 41.5	50	-	-	1
41.6 – 43.5	52.5	1	-	1
43.6 – 45.5	55	2	-	1
45.6 – 47.5	57.5	3	-	1
47.6 – 49.5	60	-	1	1
49.6 – 51.5	62.5	1	1	1
51.6 – 53.5	65	2	1	1
53.6 – 55.5	67.5	3	1	1
55.6 – 57.5	70	-	2	1
57.6 – 59.5	72.5	1	2	1
59.6 – 61.5	75	2	2	1

\* Use an appropriate combination of tablets to dose dogs over 61.5 kg.

Table 2. LAVERDIA-CA1 dose table for the 1.5 mg/kg dose\*\*

Dog weight (kg)	Total mg to administer	Number of Tablets		
		2.5 mg tablets	10 mg tablets	50 mg tablets
9.7 – 11.3	15	2	1	-
11.4 – 12.9	17.5	3	1	-
13 – 14.6	20	-	2	-
14.7 – 16.3	22.5	1	2	-
16.4 – 17.9	25	2	2	-
18 – 19.6	27.5	3	2	-
19.7 – 21.3	30	-	3	-
21.4 – 22.9	32.5	1	3	-
23 – 24.6	35	2	3	-
24.7 – 26.3	37.5	3	3	-
26.4 – 27.9	40	-	4	-
28 – 29.6	42.5	1	4	-
29.7 – 31.3	45	2	4	-
31.4 – 32.9	47.5	3	4	-
33 – 34.6	50	-	-	1
34.7 – 36.3	52.5	1	-	1
36.4 – 37.9	55	2	-	1
38 – 39.6	57.5	3	-	1
39.7 – 41.3	60	-	1	1
41.4 – 42.9	62.5	1	1	1
43 – 44.6	65	2	1	1
44.7 – 46.3	67.5	3	1	1
46.4 – 47.9	70	-	2	1
48 – 49.6	72.5	1	2	1
49.7 – 51.3	75	2	2	1
51.4 – 52.9	77.5	3	2	1
53 – 54.6	80	-	3	1
54.7 – 56.3	82.5	1	3	1
56.4 – 57.9	85	2	3	1
58 – 59.6	87.5	3	3	1
59.7 – 61.3	90	-	4	1

\*\* Use an appropriate combination of tablets to dose dogs over 61.3 kg.

Table 3. LAVERDIA-CA1 dose table for the 1 mg/kg dose\*\*\*

Dog weight (kg)	Total mg to administer	Number of Tablets		
		2.5 mg tablets	10 mg tablets	50 mg tablets
9 – 11.9	10	-	1	-
12 – 14.4	12.5	1	1	-
14.5 – 16.9	15	2	1	-
17 – 19.4	17.5	3	1	-
19.5 – 21.9	20	-	2	-
22 – 24.4	22.5	1	2	-
24.5 – 26.9	25	2	2	-
27 – 29.4	27.5	3	2	-
29.5 – 31.9	30	-	3	-
32 – 34.4	32.5	1	3	-
34.5 – 36.9	35	2	3	-
37 – 39.4	37.5	3	3	-
39.5 – 41.9	40	-	4	-
42 – 44.4	42.5	1	4	-
44.5 – 46.9	45	2	4	-
47 – 49.4	47.5	3	4	-
49.5 – 51.9	50	-	-	1
52 – 54.4	52.5	1	-	1
54.5 – 56.9	55	2	-	1
57 – 59.4	57.5	3	-	1
59.5 – 61.9	60	-	1	1

\*\*\* Use an appropriate combination of tablets to dose dogs over 61.9 kg.

**CONTRAINDICATIONS:**  
Do not use in dogs that are pregnant, lactating or intended for breeding. LAVERDIA-CA1 is a possible teratogen and can affect female and male fertility. Laboratory studies in the rat have shown reduced fertility, embryotoxicity, teratogenicity, and maternal toxicity. Administration of LAVERDIA-CA1 caused degeneration/atrophy and vacuolation in the epididymides in male dogs in the margin of safety study (see **TARGET ANIMAL SAFETY**).

**WARNINGS:**

**USER SAFETY WARNINGS:**  
NOT FOR USE IN HUMANS. KEEP THIS AND ALL MEDICATIONS OUT OF THE REACH OF CHILDREN. CHILDREN SHOULD NOT COME INTO CONTACT WITH LAVERDIA-CA1. Children should not come in contact with the feces, urine, vomit, or saliva of treated dogs.

Pregnant women, women who may become pregnant, and nursing women should not handle or administer LAVERDIA-CA1 or come in contact with the feces, urine, vomit, or saliva from LAVERDIA-CA1-treated dogs. LAVERDIA-CA1 may cause birth defects and can affect female fertility based on animal studies.

LAVERDIA-CA1 can affect male fertility based on animal studies and studies in humans.

Wear protective disposable chemotherapy resistant gloves when handling LAVERDIA-CA1 to avoid exposure to drug.

Wear protective disposable chemotherapy resistant gloves to prevent direct contact with moistened, broken, or crushed LAVERDIA-CA1 tablets.

Wear protective disposable chemotherapy resistant gloves to prevent contact with feces, urine, vomit, and saliva during treatment and for 3 days after the dog has received the last treatment. Place all waste material in a plastic bag and seal before general disposal. Wash hands immediately and thoroughly with soap and water if contact occurs with the feces, urine, vomit, or saliva from LAVERDIA-CA1 treated dogs.

Any items that come in contact with feces, urine, vomit, or saliva should not be washed with other laundry during treatment and for 3 days after the last treatment with LAVERDIA-CA1.

Wear protective disposable chemotherapy resistant gloves when handling the dog's toys, food bowl, and water bowl. Wash food and water bowls separately from other items during treatment and for 3 days after the dog has received the last treatment.

If LAVERDIA-CA1 is accidentally ingested, or if there is significant contact with feces, urine, vomit, or saliva of dogs during treatment or within 3 days after the last treatment without proper precautions, seek medical advice immediately. It is important to show the treating physician a copy of the package insert, label, or client information sheet.

**Special instructions for handling and administering the product**

- It is recommended that LAVERDIA-CA1 be administered under the supervision of, or in consultation with, a veterinarian experienced in the use of cancer therapeutic agents.
- Use standard measures for the safe handling of all chemotherapeutic drugs. Refer to Occupational Safety and Health Administration (OSHA) for appropriate guidelines, recommendations, and regulations for handling antineoplastic agents.
- Do not eat, drink, or smoke while handling the product.
- Do not store near food, in or near a food preparation area, or with medications intended for use in humans.

**Skin contact**

- In case of contact with the skin, wash the affected area immediately and thoroughly with soap and water.

**Accidental eye exposure**

- Rinse the eyes with large amounts of tap water (use eyewash station if present) for 10 minutes while holding back the eyelid.
- Remove contact lenses.

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

**Accidental oral exposure or ingestion**

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

**ANIMAL SAFETY WARNINGS:**  
LAVERDIA-CA1 can cause severe anorexia. Patients should be carefully monitored for inappetence, vomiting, diarrhea and dehydration, and supportive care should be provided as clinically indicated (see **ADVERSE REACTIONS**). In the study used to support reasonable expectation of effectiveness, low doses of corticosteroids (prednisone) were found to reduce the incidence of anorexia and gastrointestinal adverse reactions associated with verdinexor.

Keep LAVERDIA-CA1 in a secure location out of reach of dogs, cats, and other animals to prevent accidental ingestion or overdose.

**PRECAUTIONS:**  
Safe use of LAVERDIA-CA1 has not been evaluated in dogs with concurrent serious infections; concurrent renal, cardiovascular, or hepatic disease; in dogs with diabetes mellitus; in dogs with clinically relevant hypercalcemia; or in dogs with concurrent malignancy.

LAVERDIA-CA1 can cause hematologic and serum chemistry abnormalities. Dogs should be frequently monitored for evidence of hematologic and serum chemistry abnormalities when initiating and maintaining treatment with LAVERDIA-CA1 (see **ADVERSE REACTIONS** and **TARGET ANIMAL SAFETY**).

The safety and effectiveness of LAVERDIA-CA1 has not been evaluated in conjunction with other chemotherapeutic agents or other treatment modalities for lymphoma.

The effect of concomitant medications on the metabolism of LAVERDIA-CA1 has not been evaluated.

The safe use of LAVERDIA-CA1 has not been evaluated in dogs younger than 7 months of age.

The primary metabolism of LAVERDIA-CA1 *in vitro* and *in vivo* is thought to be inactivation by glutathione (GSH) conjugation. Therefore, administration of LAVERDIA-CA1 with drugs which undergo substantial GSH conjugation (e.g., acetaminophen) should be minimized.

**ADVERSE REACTIONS:**  
In the field study supporting reasonable expectation of effectiveness, 58 dogs were treated with verdinexor (not commercial formulation) at doses between 1.0 mg/kg and 1.75 mg/kg administered 2 to 3 times a week (see **REASONABLE EXPECTATION OF EFFECTIVENESS**).

All dogs experienced at least one adverse reaction. The most common adverse reactions across all dose groups included: anorexia, vomiting, diarrhea, weight loss and lethargy. Most adverse reactions were considered Veterinary Cooperative Oncology Group – common terminology criteria for adverse events (VCOG-CTCAE) Grade 1 (mild) or 2 (moderate).

Twenty-one dogs experienced a VCOG-CTCAE Grade 3 (severe), 4 (life-threatening), or 5 (death) adverse reaction.

Of the 58 dogs treated with verdinexor, adverse reactions occurring in ≥10% of dogs associated with verdinexor treatment included:

- General:** lethargy, fever, weakness, generalized pain
- Gastrointestinal:** anorexia, vomiting, diarrhea
- Renal:** polyuria, polydipsia, hematuria, proteinuria, low urine specific gravity, urinary tract infection
- Hepatic:** elevated liver enzymes, bilirubinuria
- Cardiorespiratory:** cough/dyspnea
- Metabolic:** weight loss
- Hematologic:** thrombocytopenia, anemia, lymphopenia, neutrophilia, leukopenia, eosinopenia, neutropenia, monocytosis, leukocytosis, prolonged partial thromboplastin time, elevated blood urea nitrogen, hypercalcemia, hyperphosphatemia
- Skin:** subcutaneous edema/swelling, pyoderma

Adverse reactions occurring in <10% of dogs associated with verdinexor treatment included:

- Renal:** protein losing nephropathy, urinary incontinence

- Hepatic:** hepatomegaly, elevated bilirubin, icterus
- Cardiorespiratory:** heart murmur, arrhythmia, heart block
- Hematologic:** hypoglyculinemia, hypoproteinemia, hypoalbuminemia, prolonged prothrombin time
- Neurologic:** seizure, tremor, disorientation
- Ocular:** corneal opacity
- Skin:** bruising, erythema, alopecia
- Other:** nasal discharge, epistaxis, lymphadenitis

**Thrombocytopenia**  
Thrombocytopenia (VCOG-CTCAE Grade 1 and 2) was observed in verdinexor treated dogs in the study supporting reasonable expectation of effectiveness. Two dogs with thrombocytopenia during the study were reported with bruising and one dog with thrombocytopenia was reported with epistaxis. In human studies of a closely related compound, idiosyncratic reductions in platelets (severe or medically significant but not immediately life-threatening in 10-20% of patients) were reported.

**Protein losing nephropathy**  
One dog was reported with a protein losing nephropathy (PLN). Two additional dogs, though not reported, may have had a PLN. One dog was reported with hypoalbuminemia and proteinuria on study day 21 which progressed until study end (study day 194). Another dog was reported with proteinuria at study day 7 which persisted (and worsened) to the end of the study (study day 105). At the start of the study the dog had hyperalbuminemia; by study day 105 the dog had hypoalbuminemia.

**CONTACT INFORMATION:**  
To report suspected adverse events, for technical assistance, or to obtain a copy of the Safety Data Sheet (SDS) contact Dechra Veterinary Products at (866) 933-2472.

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

**INFORMATION FOR DOG OWNERS:**  
Always provide the Client Information Sheet with each prescription and review it with the dog owner or person responsible for care of the dog. Advise dog owners about possible adverse reactions, when to contact a veterinarian, how to handle and administer the product, and how to clean up any feces, urine, vomit, or saliva from dogs treated with LAVERDIA-CA1 (verdinexor tablets). The Client Information Sheet also contains warnings for humans and what to do in case of accidental human exposure to LAVERDIA-CA1.

**CLINICAL PHARMACOLOGY:**  
**Mechanism of action**

Verdinexor is a reversible, selective inhibitor of CRM1-mediated nuclear export (SINE) that specifically blocks Chromosome Region Maintenance 1 (CRM1), also known as XPO1. Verdinexor inhibits the export of Tumor Suppressor Proteins (TSP) and Growth Regulatory Proteins (GRP) from the nucleus where they carry out their normal functions; it is selectively cytotoxic for cells with genomic damage (i.e. for tumor cells).

**Pharmacokinetics**  
Verdinexor administered orally is well absorbed in dogs and achieves therapeutic levels (>0.5 to 1.0 μM) with doses of 1 to 3 mg/kg. Following oral administration of a preliminary formulation of verdinexor three times per week for 13 weeks to fed healthy young adult Beagle dogs, overall mean exposure in terms of area under the plasma concentration time curve from time zero to the last quantifiable plasma concentration (AUClast) and maximum plasma concentration (Cmax) showed an increase from 1.25 mg/kg to 1.5 mg/kg; however, exposure at 1.75 mg/kg was either similar or lower than exposure for the 1.5 mg/kg dose group on both evaluation days. The increase in exposure as assessed by dose normalized AUClast and dose normalized Cmax was approximately dose proportional from 1.25 mg/kg to 1.5 mg/kg and less than dose proportional from 1.5 mg/kg to 1.75 mg/kg in males on both evaluation days. In females, the increase in AUClast and Cmax was greater than dose proportional from 1.25 mg/kg to 1.5 mg/kg and there was minimal increase in exposure from 1.5 mg/kg to 1.75 mg/kg on both evaluation days.

Time to maximum plasma concentration (Tmax) was typically reached between 1.1 and 2.5 hours post-dose under fed conditions and there were no differences in Tmax related to sex, dosage, or evaluation day. In general, the terminal elimination half-life for all dose groups was similar, regardless of sex, dosage, or evaluation day and ranged from approximately 2.0 to 4.0 hours.

Inter-animal variability was relatively high in all dose groups (%CV ranging from 16% to 81% for AUClast), so care should be taken in assessing actual pharmacokinetic differences or trends observed.

Following oral administration of a preliminary formulation of verdinexor to fed and fasted dogs, there was a significant food effect on the pharmacokinetics of verdinexor with a 3-fold and 5-fold increase in AUC and Cmax, respectively, when verdinexor was administered orally in the presence of food. Time to reach Cmax (Tmax) was markedly more variable (1-18 hours) when dogs were dosed under fasted conditions as compared to when verdinexor was administered under fed conditions (1.1-2.5 hours).

**REASONABLE EXPECTATION OF EFFECTIVENESS:**  
LAVERDIA-CA1 is conditionally approved pending a full demonstration of effectiveness.

Additional information for Conditional Approvals can be found by searching <https://www.fda.gov> for "animal conditional approval".

A field study was used to demonstrate a reasonable expectation of effectiveness for LAVERDIA-CA1 for the treatment of lymphoma in dogs.

An open-label, single arm, multicenter field study was conducted to evaluate the effectiveness and safety of verdinexor tablets (not commercial formulation). The study enrolled 58 client-owned dogs with lymphoma either newly diagnosed (n=35), or in first relapse following completion of one chemotherapy regimen (n=23). Treatment groups were designated by the following verdinexor dose regimens: 1.5 mg/kg 3 times weekly; 1.25 mg/kg 3 times weekly; or 1.25 mg/kg 2 times weekly then increased to 1.5 mg/kg twice weekly if well-tolerated. Dose increases and decreases, including changes in dosing amount (mg/kg) and dosing frequency (2 versus 3 times per week) were allowed based on drug tolerability and response to treatment. Response to treatment was evaluated using Veterinary Cooperative Oncology Group (VCOG) response criteria for peripheral lymphoma in dogs (v1.0).<sup>2</sup>

**DISPOSAL:**  
Dispose of any unused product or waste materials in accordance with proper procedures for cytotoxic drugs.

**STORAGE INFORMATION:**  
Store the bottles at controlled room temperature 20° to 25°C (68° – 77°F).

**REFERENCES:**  
1. Veterinary co-operative oncology group – common terminology criteria for adverse events (VCOG-CTCAE) following chemotherapy or biological antineoplastic therapy in dogs and cats v1.1. *Vet Compar Oncol.* 2016, Vol.14(4), p.417-446.  
2. Response evaluation criteria for peripheral nodal lymphoma in dogs (v1.0) – a veterinary cooperative oncology group (VCOG) consensus document. *Vet Compar Oncol.* 2010, Vol.8(1), p.28-37.

LAVERDIA is a trademark of Dechra Limited. Dechra is a registered trademark of Dechra Limited.

**Manufactured by:**  
**Halo Pharmaceutical Inc.** (d/b/a Cambrex Whippany) Whippany, NJ USA

**Distributed by:**  
**Dechra Veterinary Products**  
7015 College Boulevard, Suite 525  
Overland Park, KS 66211  
(866) 933-2472

Product inquiries should be directed to Dechra Veterinary Products, (866) 933-2472.

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