

Ingredients

- A new and exclusive joint health formula
- The unique joint health supplement for pets that contains the effective compound, ASU.
  - An advanced combination of Glucosamine HCl, Chondroitin Sulphate and ASU.

- Supported by science
- Over 30 published and peer-reviewed studies in dogs, cats, horses and humans¹

- Natural tasty flavour
- Palatable to encourage compliance⁷

- Highest quality ingredients
- Avocado-Soybean Unsaponiáables (ASU)
  - Glucosamine HCl
  - Chondroitin Sulphate
  - Enriched *Boswellia serrata* extract (minimum 30% AKBA)

Suitable for all dog or cat sizes.



Directions for use

Dasuquin for dogs is available as tasty chewable tablets that can be fed directly or crumbled and mixed with food. Dasuquin for cats is available as palatable sprinkle capsules which can be opened and mixed in with food.

**Initial loading programme**  
Feed daily for 4-6 weeks, according to guidelines in the table below.

**Maintenance programme**  
After the initial loading period, the number of tablets or capsules per day may be reduced by half or the capsules can be administered every other day.

Weight of dog or cat	Dasuquin Dog Small/Medium Breed		Dasuquin Dog Large Breed		Dasuquin Cat	
	Initial loading	Maintenance	Initial loading	Maintenance	Initial loading	Maintenance
<4.5kg	1/2 tablet per day	1/2 tablet per day			1 capsule per day	1 capsule every other day
≥4.5kg					2 capsules per day	1 capsule per day
4.5 - 13.5kg	1 tablet per day	1/2 tablet per day				
13.5kg - 25kg	2 tablets per day	1 tablet per day				
25 - 50 kg			2 tablets per day	1 tablet per day		
>50kg			3 tablets per day	1 1/2 tablets per day		

**References**

1. Data on file. Protexin Veterinary (from Nutramax Laboratories Ltd).

2. Lippiello L, Woodward J, Karpman R, Hammad T. *Clin Orthop Relat Res* 2000; **381**: 229-240.

3. Adebowale A, Du J, Liang Z, Leslie J, Eddington N. *Biopharm Drug Dis* 2002; **23**: 217-225.

4. Adebowale A, Cox D, Liang Z, Eddington N. *J Am Nutr Assoc* 2000; **3(1)**: 37-44.

5. Au R, Phan P, Au A, Frondoza C. *6th ICRS Symposium 2006*. Poster.

6. Lippiello L, Nardo J, Harlan R, Chiou T. *Evid Based Complement Alternat Med* 2008; **5(2)**: 191-197.

7. Data on file. Bioiberica. Palatability test 2012.

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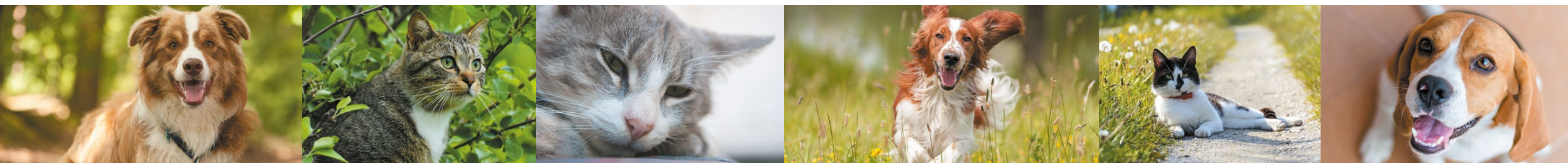


**DASUQUIN®**  
For Dogs and Cats

A new breed  
of joint  
support







### Introducing Dasuquin

Dasuquin is a new breed of joint health supplement that supports normal joint function by feeding key nutrients to cartilage cells (chondrocytes), the synovial membrane and subchondral bone. Dasuquin contains an advanced combination of:

- Avocado-Soybean Unsaponifiables (NMX1000®)
- Chondroitin Sulphate (TRH122®)
- Glucosamine Hydrochloride (FCHG49®)
- Green tea polyphenols (Epigallocatechin gallate)
- Enriched *Boswellia serrata* extract

### Glucosamine Hydrochloride and Chondroitin Sulphate

These are normal constituents of cartilage that have the ability to maintain natural cartilage metabolism. They support chondrocytes to produce key components of articular cartilage.

Dasuquin contains the original, researched combination of Glucosamine HCl (FCHG49®) and Chondroitin Sulphate (TRH122®) which has been the subject of over 50 published studies demonstrating safety, bioavailability and efficacy<sup>1</sup>.

This combination of Glucosamine HCl and Chondroitin Sulphate is more effective than either ingredient on its own and acts synergistically to support cartilage proteoglycan production<sup>2</sup>.

### Epigallocatechin gallate

A bioavailable decaffeinated polyphenol from green tea that delivers antioxidant benefits to the cartilage and maintains oxidative balance. Green tea polyphenols may also have beneficial effects on weight control.

### Enriched *Boswellia serrata* extract

This contains a minimum of 30% of the active component, acetyl-11-keto-beta boswellic acid (AKBA). AKBA supports the animal's own anti-inflammatory processes.

### Avocado-Soybean Unsaponifiables

Avocado-Soybean Unsaponifiables (ASU) are a concentrated, bioactive fraction of the oil derived from avocados and soybeans. Unsaponifiable describes the oil fraction that remains after hydrolysis and only represents around 1% of the oil from avocados and soybeans.

The major components of ASU are phytosterols ( $\beta$ -sitosterol, campesterol and stigmasterol), which are rapidly incorporated into cells. The sterols content of ASU is the primary contributor to the biological activity in articular chondrocytes<sup>6</sup> and have been shown to support joint health in dogs, cats, horses and humans<sup>1</sup>.



### Not all ingredients are created equally!

Chondroitin Sulphate is a large molecule and its bioavailability has been questioned. The Chondroitin Sulphate, found in Dasuquin, has been shown to be bioavailable<sup>3</sup>.

The molecular weight as well as the molecular composition are dependent upon the species and/or tissue of origin and may be affected by extraction methods. Studies have shown there to be a large variation in the molecule size and absorption of Chondroitin Sulphate<sup>4</sup> and also the clinical effectiveness/biological activity of this ingredient between products<sup>5</sup>.

### Did you know?

ASU has been the subject of over 30 published and peer-reviewed studies in the area of joint health support for several different species<sup>1</sup>.