

# Denamarin<sup>®</sup>

## *Advanced*

CHEWABLE TABLETS FOR DOGS



The Ability to  
Filter the Blood

The Ability to  
Detoxify  
Chemicals

The Ability to  
Metabolize Drugs

The Ability to  
Secrete Bile

The Ability to  
Make Proteins for  
Blood Clotting

The Ability to  
Synthesize  
Hormones

*A New Day is Dawning*  
*on* **LIVER HEALTH**

# The Ability of *Silybin*

Silybin is an active part of an extract from milk thistle, known as silymarin, that has been shown to support liver function by helping maintain a healthy oxidative balance.

## **Silybin also:**

- Supports liver cell regeneration
- Stimulates production of hepatoprotective bile salts
- Inhibits inflammatory mediators
- Stimulates biliary flow

The Silybin A+B in Denamarin is in a phosphatidylcholine complex which increases bioavailability, reaching levels up to 4 times higher in dogs than 80% standardized milk thistle alone.

# The Ability of *SAMe*

A deficiency of SAMe may indicate or contribute to abnormalities of cellular structure and function in the liver.

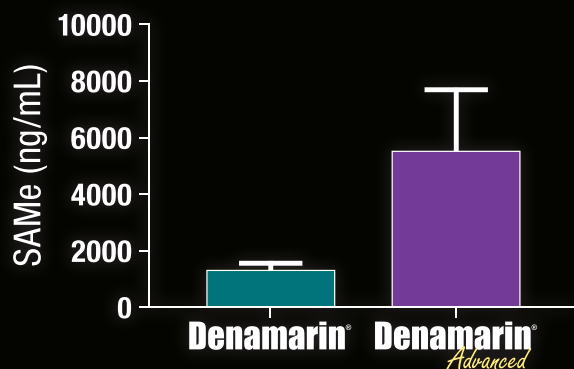
## **SAMe has been shown to:**

- Protect liver cells from death
- Protect red blood cells from oxidative stress
- Increase levels of glutathione
- Support cell membrane fluidity

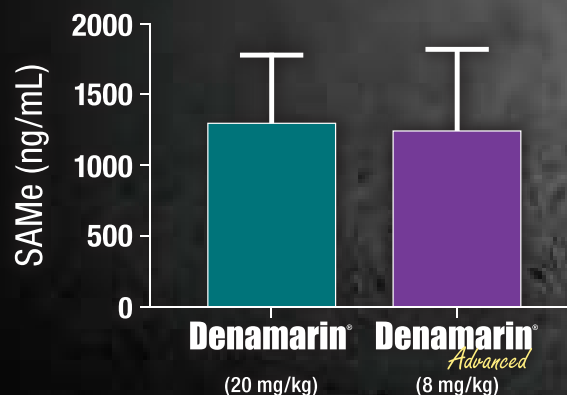
Initial pharmacokinetic research showed that the NMXSS75A™ S-Adenosylmethionine in Denamarin Advanced has **greater bioavailability** compared to the NMXSS75® S-Adenosylmethionine when used at the same dose.

Further research showed that administration of the NMXSS75A™ S-Adenosylmethionine at a reduced level of **8 mg/kg/day** provided comparable C<sub>MAX</sub> levels as administration of NMXSS75® S-Adenosylmethionine at 20 mg/kg/day.

**Canine Plasma SAMe Cmax:**



**Canine Plasma SAMe Cmax:**



# *The Dawning of a NEW SAME Salt*

The next generation of SAME is here in **Denamarin<sup>®</sup>**  
*Advanced*

## *Advanced* Formula

Proprietary NMXSS75A™ SAME salt:

- **Greater bioavailability**  
Lower administration of 8 mg/kg/day compared to original Denamarin at 20 mg/kg/day
  - Smaller chewable tablets
  - More days of administration per bottle
- Wider dosing range per chewable tablet
  - Scored for accurate administration
- Less bitter chewable tablets

## *Why* Use Denamarin Advanced?

- **Latest SAME Innovation**
- **Optimal Liver Support**
- **Lower Cost And Fewer Tablets At Most Weights\***
- **Easy To Administer / Highly Palatable Tablets**
- **Exclusive Dispenser Pack Designed For In-Clinic Use**

\*Based on current (Nov. 2017) Vet Price of Denamarin® Chewable Tablets and Denamarin® Advanced Chewable Tablets, each in 30 count packaging. Actual price is higher for 15 lb and 26-30 lb dogs.

Quicker and more consistent SAME  
absorption than enteric-coated tablets.



Introducing

# Denamarin®

*Advanced*

**CHEWABLE TABLETS FOR DOGS**

S-Adenosylmethionine  
and Silybin A+B

U.S. Patent Nos. 6,555,141, 6,863,906 and 7,563,779



## *Advanced* Packaging

- Available in 2 dispensing strengths: Small to Medium Dogs & Large Dogs
- Convenient 30 count bottles in 4 bottle vet pack
- Designed and labeled for clinic dispensing



	Dog's Weight (lbs)	# of Chewable Tablets per Day		Average % Savings^
		Original Denamarin (225 mg*)	Denamarin Advanced (120 mg*)	Switching from Denamarin to Denamarin Advanced
Small-Med Dogs	7-14	½	¼	33%
	15-25	½-1	½	27%
	26-50	1-2	1	6%
		Original Denamarin (225 mg*)	Denamarin Advanced (215 mg*)	
Large Dogs	51-85	2-3	1	23%
	86-130	3-4	1½	29%
	Over 130	4+	2	25%



^Based on current (Nov. 2017) Vet Price of Denamarin® Chewable Tablets and Denamarin® Advanced Chewable Tablets, each in 30 count packaging. Actual price is higher for 15 lb and 26-30 lb dogs.

\*Amount of SAME per tablet.

Denamarin Advanced has the  
*ABILITY*  
to help the liver do mighty things!

To learn more about Denamarin Advanced, contact your Nutramax Laboratories Veterinary Sciences, Inc. sales representative.  
Our customer service and technical advisors are available Monday thru Friday 8:30 am to 5:00 pm eastern time at 888-886-6442.

**Denamarin** *Advanced.com*

Enroll now in the Nutramax Laboratories Veterinary Sciences, Inc. Loyalty Program: [nutramaxlabs.com/loyalty](http://nutramaxlabs.com/loyalty)



**nutramax**  
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