

NEW &
IMPROVED



**THE SIGN OF
LIVER SUPPORT
IS OBVIOUS...**

Zentonil[®]

Liver support for dogs and cats.
Flavoured and divisible tablets.

Vétoquinol

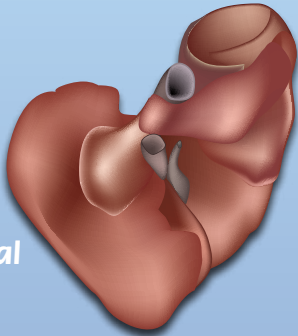


Signe de Passion

What is the liver?

What is the liver?

The liver is the **biggest** internal organ in the body and performs many important functions essential to life, including:



- ▶ Neutralisation of toxins and metabolic waste
- ▶ Carbohydrate metabolism
- ▶ Synthesis of proteins and fats
- ▶ Immune function
- ▶ Vitamin storage

The liver has a tremendous ability to regenerate.

Because of this, when the balance of liver health is tipped, early indications can be masked.

In times when the liver is in need of support, dangerous molecules called 'free radicals' can build up. Antioxidants serve as the first line of defence against free radicals to help preserve normal functional tissue.

Maintaining normal function

At the time when the liver needs to produce more antioxidants you often find concurrently that levels appear to be reduced.

However, certain molecules can help support liver function. Your vet can help you support your pet's liver.

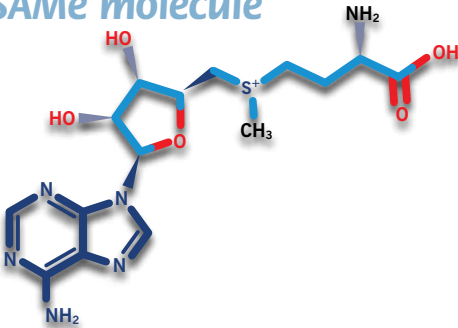
What is available to help?

SAMe

S-adenosylmethionine (SAMe) is naturally synthesised in the body, mainly in the liver^{1,2}.

SAMe is converted into an antioxidant, which helps neutralise damaging molecules that build up within the liver when support is needed.

SAMe molecule



Silybin

Silybin is the most active component of the herb *Silybum marianum* (milk thistle) and has been shown to help preserve normal liver function^{3,4}.

The Zentonil® range

The **Zentonil®** range contains a pure, stable form of SAME for your dog and cat.

Zentonil® Advanced also contains silybin in a form that greatly increases its absorption.

SAME and silybin supplements have limitations which make administration and the achievement of maximal absorption difficult.

Zentonil® can help... The patent pending manufacturing technique:

- ▶ Protects SAME from the harmful effects of stomach acid ensuring good absorption.
- ▶ Now allows the tablets to be split and/or chewed without decreasing the effect.

Unlike many SAME products, scientific data shows the increased levels of SAME achieved in the blood following oral administration of **Zentonil®**⁵.



Tablets containing SAME should be given on an empty stomach to enhance absorption but **Flavoured Zentonil® tablets** aid administration without food.

Zentonil® helps makes liver supplementation easier for you and your pet.

Vétoquinol
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Administration

Based on the latest scientific information your veterinary surgeon will have chosen the most appropriate **Zentonil®** formulation for your pet.

Tablets should be given on an empty stomach at least one hour before, or two hours after food for optimal effectiveness.




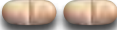
Zentonil® Plus

SAMe

Body weight	200	400
2.5 kg	-	-
5 kg		-
10 kg		
15 kg		-
20 kg		
30kg	-	
40 kg	-	

Zentonil® Advanced

SAMe & Silybin

Body weight	100	200	400
2.5 kg		-	-
5 kg			-
10 kg			
15 kg	-		-
20 kg	-		
30kg	-	-	
40 kg	-	-	

Zentoniil®

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Reference: 1. McGavin, Zachary. Pathologic Basis of Disease. Fourth edition, Mosby Elsevier. 393-406;2007. 2. Kumaar, Abbas, Fausto. Pathologic Basis of Disease. Seventh edition, Elsevier Saunders,878-883; 2005. 3. Frascini et al: Pharmacology of Silymarin. Clin Drug Invest 22(1):51-65, 2002. 4 Valenzuela et al: Selectivity of silymarin on the increase of the glutathione content in different tissues of the rat. Planta Med 55:420-422,1989. 5. Vetoquinol study number 208NP2F2

Vétoquinol



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