

## **SUMMARY OF PRODUCT CHARACTERISTICS**

### **1. NAME OF THE VETERINARY MEDICINAL PRODUCT**

Vitofyllin 50 mg

### **2. QUALITATIVE AND QUANTITATIVE COMPOSITION**

#### **Active substance:**

Propentofylline 50.00 mg/tablet

#### **Excipients:**

Ferric Oxide, yellow, (E 172) 0.075 mg/tablet

Titanium Dioxide, (E171) 0.215 mg/tablet

For the full list of excipients, see section 6.1.

### **3. PHARMACEUTICAL FORM**

Film-coated tablets.

Yellow, round, convex tablets with cross-snap tab on one side and imprinting "50" on the other side.

The tablet can be divided into 2 or 4 equal parts.

### **4. CLINICAL PARTICULARS**

#### **4.1 Target species**

Dogs.

#### **4.2 Indications for use, specifying the target species**

For the improvement of peripheral and cerebral vascular blood circulation. For improvement in dullness, lethargy and overall demeanour in dogs.

#### **4.3 Contraindications**

Refer to section 4.7

Do not use in dogs weighing less than 2.5 kg.

Do not use in cases of hypersensitivity to the active substance or to any of the excipients.

#### **4.4 Special warnings**

None.

#### 4.5 Special precautions for use

##### Special precautions for use in animals

Specific diseases (e.g. kidney disease) should be treated accordingly. Consideration should be given to rationalising the medication of dogs already receiving treatment for congestive heart failure or bronchial disease. In the case of renal failure, the dose should be reduced.

##### Special precautions to be taken by the person administering the veterinary medicinal product to animals

Care should be taken to avoid accidental ingestion. In the event of accidental ingestion of the tablets, seek medical advice immediately and show the package leaflet to the physician. Wash hands after use.

#### 4.6 Adverse reactions (frequency and seriousness)

On rare occasions, (more than 1 but less than 10 animals in 10,000 animals treated), allergic skin reactions, vomiting and cardiac disturbances have been reported. In these cases, the treatment should be stopped.

#### 4.7 Use during pregnancy, lactation or lay

The safety of the product has not been established during pregnancy and lactation. Do not use in pregnant or lactating bitches or breeding animals.

#### 4.8 Interaction with other medicinal products and other forms of interaction

None known.

#### 4.9 Amounts to be administered and administration route

The basic dosage is 6-10 mg propentofylline/kg bodyweight, divided into two 3-5mg/kg doses as follows:

To ensure administration of the correct dose, the body weight of the animal should be determined before treatment.

<b>Body weight (kg)</b>	<b>Tablets</b>		<b>Daily total tablets</b>	<b>Daily total dose (mg/kg)</b>
	<b>am</b>	<b>pm</b>		
2.5 - 4 kg	¼	¼	½	6.3 - 10.0
5 - 7 kg	½	½	1	7.1 - 10.0
8 - 9 kg	¾	¾	1 ½	8.3 - 9.4
10 - 15 kg	1	1	2	6.7 - 10.0
16 - 25 kg	1½	1½	3	6.0 - 9.4
26 - 33 kg	2	2	4	6.1- 7.7

Dogs of more than 20 kg can be given Vitofyllin 100 mg film-coated tablets for dogs.

The tablets can be administered directly onto the back of the dog's tongue or can be mixed in a small ball of food and should be administered at least 30 minutes before feeding.

#### **4.10 Overdose (symptoms, emergency procedures, antidotes), if necessary**

Excitation tachycardia, hypotension, reddening of mucous membranes and vomiting. The withdrawal of the treatment leads to a spontaneous remission of these signs.

#### **4.11 Withdrawal period(s)**

not applicable

### **5. PHARMACOLOGICAL PROPERTIES**

Pharmacotherapeutic group: peripheral vasodilator; purine derivatives;  
propentofylline  
ATCvet code: QC04AD90

#### **5.1 Pharmacodynamic properties**

Propentofylline has been shown to increase blood flow, particularly of the heart and skeletal muscle. It also increases the blood flow of the brain and therefore its oxygen supply, without increasing the brain's glucose demand. It has a modest positive chronotropic effect and a marked positive inotropic effect. In addition, it has been shown to have an anti-arrhythmic effect in dogs with myocardial ischemia and a bronchodilator action equivalent to that of aminofylline.

Propentofylline inhibits platelet aggregation and improves the flow properties of erythrocytes.

It has a direct effect on the heart and reduces peripheral vascular resistance thereby lowering cardiac load.

Propentofylline may increase willingness to exercise and exercise tolerance, particularly in older dogs.

#### **5.2 Pharmacokinetic particulars**

After oral administration propentofylline is fast and completely absorbed and quickly distributed in the tissues. Given orally to dogs, maximum plasma levels are reached already after 15 minutes.

The half-time is about 30 minutes and the bioavailability for the mother substance amounts to about 30%. There are a number of effective metabolites and the biotransformation takes place mainly in the liver. Propentofylline is excreted in form of its metabolites in 80-90% via the kidneys. The rest is eliminated with the faeces. There is no accumulation.

## **6. PHARMACEUTICAL PARTICULARS**

### **6.1 List of excipients**

Lactose monohydrate  
Maize Starch  
Crospovidone  
Talc  
Silica, Colloidal Anhydrous  
Magnesium Stearate

#### **Film Coating:**

Titanium Dioxide, E171  
Ferric Oxide, yellow, E 172  
Hypromellose  
Macrogol 6000  
Talc

### **6.2 Incompatibilities**

Not applicable.

### **6.3 Shelf-life**

Shelf-life of the veterinary medicinal product as packaged for sale: 5 years

Shelf-life of divided tablet portions: 72 hours

### **6.4 Special precautions for storage**

Store in the original blister package.  
Keep the blister packs in the outer carton.  
Store in a dry place.  
Divided tablets should be stored in the blister pack.

### **6.5 Nature and composition of immediate packaging**

Polyvinylchloride– PolyVinylidene dichloride /Aluminium blister with 14 tablets, in a cardboard box containing 4 blisters (56 tablets).

Polyvinylchloride– PolyVinylidene dichloride /Aluminium blister with 14 tablets, in a cardboard box containing 10 blisters (140 tablets).

Not all pack sizes may be marketed.

### **6.6 Special precautions for the disposal of unused veterinary medicinal product or waste materials derived from the use of such products**

Any unused veterinary medicinal product or waste materials derived from such veterinary medicinal products should be disposed of in accordance with local requirements.

7. **MARKETING AUTHORISATION HOLDER**
8. **MARKETING AUTHORISATION NUMBER**
9. **DATE OF FIRST AUTHORISATION**
10. **DATE OF REVISION OF THE TEXT**

April 2017

Approved: 28 April 2017

A handwritten signature in black ink, appearing to read "D. Austin", with a horizontal line extending to the right.