MASIVET®

For the treatment of inoperable mast cell tumours (Grade 2 or 3)*



MAST CELL TUMOURS Mast cell tumours (MCTs) are the most common cutaneous malignancies in dogs, accounting for 16 to 21% of all skin tumours. 1

- Known as the "great pretender", MCTs demonstrate a wide range of behaviour, presentation and patterns of progression – all of which make these tumours a challengeto treat
- MCTs are classified by histological grade, with poorly differentiated high grade tumours being more aggressive resulting in a poor prognosis for the patient due to systemic spread of the disease.
- MCTs result from the uncontrolled proliferation and prolonged survival of neoplastic mast cells, caused by dysregulated c-Kit activity.

C-KIT IS A TYROSINE KINASE RECEPTOR AND STUDIES HAVE SHOWN THAT INHIBITION OF THIS ENZYME CAN INHIBIT THE GROWTH OF MCTs1

MASIVET® IS A TARGETED THERAPY WORKING SPECIFICALLY AND SELECTIVELY ON KEY ENZYME PATHWAYS THAT CAUSE GROWTH AND SPREAD OF MAST CELL TUMOURS



Unlike cytotoxic chemotherapeutic agents, Masivet® accurately targets the cause of the tumour by acting on dysregulated tyrosine kinase activity.2

- ► Masivet® (masitinib) acts systemically to block the c-Kit receptor, leading to apoptosis of neoplastic mast cells and inhibition of mast cell proliferation.
- Masitinib in vitro has been shown to also inhibit a small number of other selective targets including PDGFR, known to be involved in angiogenic and metastatic

processes²

Masivet is given orally and acts systemically causing apoptosis of malignant mast cells, thereby shrinking the mast cell tumour and slowing tumour progression. 3,4,9

MASITINIB IS A HIGHLY SELECTIVE MOLECULE ACTING ONLY ON CERTAIN KINASE PATHWAYS.

Masitinib does not inhibit kinases that are known to be linked to toxic effects and therefore the potential for unwanted secondary effects will be limited. 2

CLINICAL STUDIES HAVE SHOWN MASIVET® TO BE HIGHLY **EFFECTIVE IN THE TREATMENT OF MAST CELL TUMOURS**

A major placebo-controlled study has investigated the efficacy and safety of Masivet® in 202 dogs with inoperable grade 2 and grade 3 MCTs⁴

The pivotal regulatory study, published in J Vet Intern Med in 2008 by Hahn K A et al⁴ was a multi-centre, randomized, placebo-controlled, double-blind study of oral Masivet® in 202 dogs with inoperable grade 2 or grade 3 cutaneous MCTs. Response to treatment was evaluated according to the WHO Guidelines for tumour response. Analyses were also conducted to evaluate the clinical response of tumours with mutated vs. non-mutated c-Kit receptor.

- Dogs were randomized to receive either Masivet® or placebo (4:1 ratio) for an initial 6 months.
- ► All dogs with a demonstrable biological response at the end of the 6 months period continued to receive treatment for up to 2 years.
- ► A total of 161 dogs received Masivet® (12.5mg/kg/day) and 41 dogs received placebo.



Four clinical investigations have also been conducted by oncology referral clinics in the United Kingdom, the Netherlands, the USA and France. 5,6,7,8

- ▶ These investigations included more than 200 dogs with high grade, inoperable MCTs; 96 dogs had confirmed metastases and at least 73 dogs had grade 3 disease at the time of Masivet® initiation.

- ► Treatment protocols used Masivet® in both the first and second line of treatment.
- Masivet® was given as monotherapy or in combination with steroid treatment. A small number of dogs also received Masivet® in combination with chemotherapy. 5,6





Results from 3 of these investigations are shown on page 5.



COMPLETE RESPONSE (CR): DISAPPEARANCE OF MCT

0% of baseline tumour size

PARTIAL RESPONSE (PR):

Tumour shrinkage (at least 50%) with no new tumours or metastases

STABLE DISEASE (SD):

Tumour shrinkage (less than 50%) or stable disease with no new tumours or metastases

PROGRESSIVE DISEASE (PD):

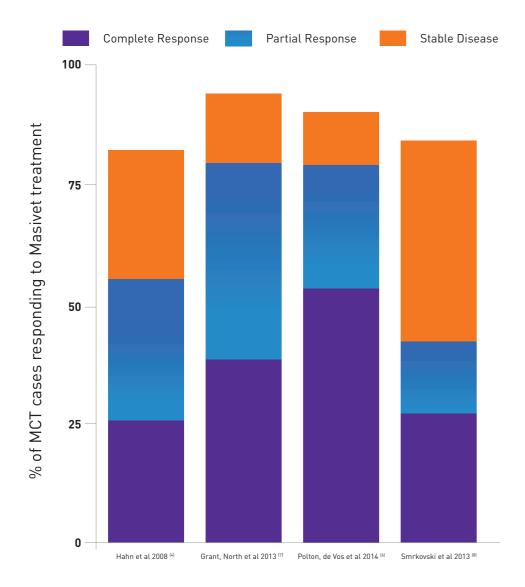
All other cases



MASIVET® TREATMENT INDUCES TUMOUR SHRINKAGE AND STABILISATION IN DOGS WITH GRADE 2 OR GRADE 3 MCT DISEASE*

Clinical investigations have described a biological tumour response (MCTs have disappeared completely, regressed or stablised) in up to 90% of treated dogs^{4,5,6,7,8}

▶ Response rates reported from 4 clinical investigations in grade 2 and grade 3 MCTs are summarised below:



A rapid and complete response in grade 3 non-resectable MCT





Before Masivet® therapy Afte

After 53 days of Masivet® therapy

Courtesy of Malcolm Brearley, Univ Cambridge

In the pivotal study, 50% of dogs receiving Masivet® demonstrated a complete response or significant partial response during the first 6 months of therapy (p = 0.02 vs. placebo).4

4. Hahn et al 2008: Pivotal study: randomized double-blind, involving 202 dogs. Masitinib was administered at a dose of 12.5 mg / kg to 161 dogs, others [41] received placebo. Complete Response [CR] 28.9%; Partial Response [PR] 23.7%,

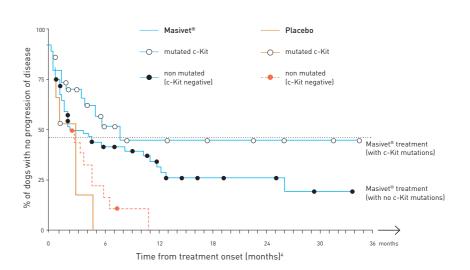
6. Potton et al: 147 dogs with inoperable MCT all with a high metastatic risk or metastases already present. Treatment included: masitinib alone, masitinib + prednisolone, Chemo + pred + Masitinib

 Grant et al 2013: Retrospective study of 39 dogs treated with Masitinib. Clinical response in 82.1% of cases [CR 38.5%, PR 43.6%]

8 Smrkovski et al: 26 dogs in 2 groups treated 300 days on average. 1st group 1st line treatment 14 dogs, 2nd group 12 dogs masitinib as rescue treatment Cf 27%, PR 15%, SD 42%. Median of survival 630 days versus 137 days.

MASIVET® ACTS SYSTEMICALLY AND SIGNIFICANTLY PROLONGS TIME TO TUMOUR PROGRESSION.4,9

- In a placebo-controlled clinical study, follow-up data for 36 months demonstrated that Masivet® treatment significantly prolonged Time to Tumour Progression (TPP).
- ▶ Masivet® acts systemically, and in the pivotal clinical study Masivet® treatment increased the probability of long-term survival with 39.8% of treated dogs alive at 2 years vs 15% of dogs which had received placebo (Fisher's p value 0.04) 4.9



▶ Data from the pivotal study indicated that Masivet is most effective when used as a first line medical treatment (median TPP 178 days Masivet® vs 75 days Placebo; p = 0.001).^{4,9}

Prolonged TPP has also been demonstrated in four clinical investigations^{5,6,7,8}

- Progression free survival (PFS) in these studies ranged from 79 to 453 days in dogs treated with Masivet[®].6,7,8
- The degree of MCT response significantly influenced overall time to disease progression and longer term survival; the greater the initial response the longer the overall survival time (p< 0.001). 5,6
- In dogs that responded to Masivet®, median overall survival time has been reported up to 630 days.8

In the pivotal study Masivet® treatment significantly reduced the frequency of visceral and nodal metastases 3,9

Emergence of metastases	Treat	Fisher's p-value	
during the study	Masivet® (N=161)	Placebo (N=41)	risilei s p-vatue
Mets to lymph node or internal organs number (%) of dogs	6 (3.7%)	7 (17.1%)	0.006



MASIVET® IS WELL TOLERATED WHEN USED AT THE RECOMMENDED DOSES 3,4

Dogs must be regularly monitored to allow early identification and management of any possible adverse effects.



Adverse effects can be managed and rapidly reversed using dose reductions or adjustments so that treatment of the MCT can be continued with minimal interruption. Monthly monitoring is recommended.

In the pivotal study the most commonly reported side effects included:

- Mild to moderate diarrhoea and vomiting (20% of dogs).
- Decreased appetite, peripheral oedema and alopecia (3 to 10% of dogs).
- Mild to moderate neutropenia, anaemia, haemolytic anaemia and increased ALT (2% to 3% of dogs).

- Hypoalbuminaemia.
- A reversible protein losing effect has been reported in up to 4% of treated dogs
- Monitoring of albumin levels every 2 weeks for the first 8 to 12 weeks of treatment, reducing to monthly monitoring thereafter, is recommended to detect any dogs sensitive to this effect.
- Some commonly reported adverse effects include clinical signs (e.g GI side effects and histamine-related effects) which may be partially tumour dependant and may need to be managed using symptomatic or prophylactic treatment.

Professional judgment should be used to determine the need for any dose adjustments. For further information consult the Summary of Product Characteristics (SPC)

HOW TO USE MASIVET®

Masivet is an oral therapy, convenient and easy to use for both Vets and owners.

- Masivet® tablets are supplied as round, film-coated orange tablets, available in 2 doses (150mg and 50mg) to be administered by the pet owner at home.
- The starting dose is 12.5mg/kg given once daily (dose range 11 14 mg/kg). Duration of treatment will depend on tumour response and should be maintained in the case of stable disease.
- Initial tumour response should be assessed during the first 4 to 6 weeks of therapy and long term treatment should be under monthly veterinary review.
- Dose adjustments or reduction in dose may be required to manage or reverse any adverse effects observed.
- Owners should be referred to the product packaging and leaflet for further information on side effects, handling precautions and method of administration.









- ► Masivet® is a highly effective and we tolerated, proven treatment.⁴
- Masivet® has been shown to induce tumour shrinkage and to prolong time to tumour progression in grade 2 and 3 mast cell tumours. ^{4,9*}
- Masivet® has a specific and selective mode of action, acting on the pathways responsible for the proliferation and spread of malignant cells.
- ► Masivet® can be used where surgery with full margins is not possible or where surgery alone will not be able to treat the tumour.
- ► Masivet® is an oral therapy, convenient and easy to use for both pet owners and vets.
- ➤ Starting dose is 12.5mg/kg once daily and the duration of treatment depends on the degree o tumour response.

*Masivet® has been shown to have the greatest effect in tumours with a mutated c-Kit receptor (TPP median 140 days vs 241 days, non-mutated vs. mutated respectively)^{4,9}. It is licensed for treatment of dogs with non-resectable mast cell tumours (Grade 2 or 3) with a confirmed mutated c-Kit tyrosine kinase receptor.



Product Package Insert

Masivet® 50mg film-coated tablets for dogs Masivet® 150mg film-coated tablets for dogs

NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER AND OF THE MANUFACTURING AUTHORISATION HOLDER RESPONSIBLE FOR BATCH RELEASE, IF DIFFERENT

Marketing authorisation holder: AB Science S.A., 3 avenue George V, 75008 Paris, France

Manufacturer for batch release:

CSP 76-78 Avenue du Midi. BP77 63802 Cournon cedex. France

2. NAME OF THE VETERINARY MEDICINAL PRODUCT

MASIVET® 50 mg film-coated tablets for dogs MASIVET® 150 mg film-coated tablets for dogs

lake and Titanium dioxide (F171) as colourants.

3. STATEMENT OF THE ACTIVE SUBSTANCE(S) AND OTHER INGREDIENT(S)

MASIVET® is a light-orange, round, film-coated tablet.

Each tablet contains either 50mg or 150 mg of masitinib, which is the active substance. Each tablet also contains Sunset yellow FCF (E 110) aluminium

The tablets are market with "50" or "150" on one side, and with the company logo on the other side.

4. INDICATION(S)

Masivet® is for the treatment of dogs with non-resectable mast cell tumours (Grade 2 or 3) with a confirmed mutated c-kit tyrosine kinase receptor.

5 CONTRAINDICATIONS

- Your dog should not be given Masivet® if it:
- Is pregnant or nursing puppies.
- Is less 6 months of age or weights less than 4 kg,
 Is suffering from inadequate liver or renal function,
 has an anaemia or low neutrophil count,
- . has an allergic reaction to masitinib, the active ingredient of Masivet® or an excipient used in this medicine.

6 ADVERSE REACTIONS

Should I expect side effects for my dog during Masivet® therapy?

Masivet® like any other medicine may cause adverse reactions. Your veterinarian can best describe these for you.

- Very common effects:

 Mild to moderate gastrointestinal reactions (diarrhoea and vomiting) with a mean duration of approximately 21 and 9 days, respectively.
- Mild to moderate hair loss with a mean duration of approximately 26

Common effects:

Specific measures should be taken by your veterinarian in case of the following reactions (see section 15):

- Severe renal toxicity may occur in dogs suffering from renal disorders at the start of treatment (including high blood creatinine level or proteinuria).

 • Moderate to severe anaemia (aplastic/haemolytic) with a mean duration
- of approximately 7 days.
- Protein-loss syndrome (mainly due to a decrease in serum albumin).
 Mild or moderate neutropenia with a mean duration of approximately
- 24 days.
- Increase in aminotransferase (ALT or AST) with a mean duration of approximately 29 days.

People with known hypersensitivity to masitinib should not handle the product. In case of accidental ingestion, seek medical advice immediately and show the package leaflet or the label to the physician. Do not eat, drink, or smoke

when treating the dog.

Children should not have close contact to treated dogs, treated dog faeces or vomit.

13. SPECIAL PRECAUTIONS FOR THE DISPOSAL OF UNUSED PRODUCT OR WASTE MATERIALS, IF ANY

Medicines should not be disposed of via wastewater or household waste Ask your veterinarian how to dispose of medicines no longer required. These measures should help to protect the environment.

14. DATE ON WHICH THE PACKAGE LEAFLET WAS LAST APPROVED

05/08/2009
Detailed information on this product is available on the website of the European Medicines Agency (EMEA) http://www.emea.europa.eu

15. OTHER INFORMATION

For animal treatment only.

The tablets are available in pack sizes of 30 tablets.

Maksivel® is a prescription medicine used to treat dog mast cell turnours. Mast cell turnours are cancerous proliferations of mast cells. It is a heterogeneous disease which can be relatively innocent or aggressively malignant. In certain circumstances, mast cell tumours can be life threatening for your dog. Masivet® might extend the time before the tumours progress.

Special information for the veterinarian

Dogs should be monitored carefully and professional judgement should be used to determine the need for dose reduction in the event of possible significant adverse reactions.

Renal function should be adequately monitored every month using dipstick urine testina.

in case of positive semiquantitative dipstick results (protein > 30 mg/dl), urinalysis should be performed to determine urinary protein creatinine (UPC) ratio, and a blood sample to measure creatinine, albumin and BUN. If UPC ratio > 2, or creatinine > 1.5 upper limit of normal (ULN), or albumin < 0.75 lower limit of normal (LLN) or blood urea nitrogen (BUN) > 1.5 ULN, discontinue treatment.

Monitoring of Protein loss syndrome
Perform every month a dipstick urine test. In case of positive semi-quantitative
dipstick results (protein > 30 mg/dd.), perform urinalysis to determine urinary

- rotein creating (UPC) ratio.

 Perform every month a blood measurement of albumin.

 In case of UPC ratio > 2 or albumin < 0.75 lower limit of normal (LLN), treatment should be interrupted until albumin and UPC values have returned to limit value (UPC ratio < 2 and albumin > 0.75 LLN), treatment can then be continued at the same dose.
- If of one of these events (UPC ratio > 2 or albumin < 0.75 LLN) occurs for a second time, treatment should be permanently discontinued

Anaemia and / or haemolysis
Dogs should be carefully monitored for signs of (haemolytic) anaemia. In case of clinical signs of anaemia or haemolysis, haemoglobin, free bilirubin and haptoglobin should be measured and blood cell counts (including reticulocyte) should be performed.

Other, commonly observed adverse reactions were in most cases mild

- Lethargy and asthenia with a mean duration of approximately 8 and 40 days, respectively
- Decrease in appetite or anorexia with a mean duration of 45 days and
- 18 days, respectively.

 Cough (mean duration 23 days). Lymphadenopathy (mean duration 47 days)
- Oedema (mean duration of oedema was 7 days).
 Lipoma (mean duration 53 days).

What should I do if side effects occur in my dog during Masivet®

If you notice any serious effects or other effects not mentioned in this leaflet, ase inform your veterinarian. In case of adverse reactions, your veterinarian may decide to reduce the dose or to discontinue treatment.

7 TARGET SPECIES

8. DOSAGE FOR EACH SPECIES, ROUTE(S) AND METHOD OF

Masivet® is for oral use in dogs and should be given according to your veterinarian's instructions. Your veterinarian will tell you what amount is

The recommended dose is 12.5 mg/kg (with a dose range of 11-14 mg/kg) once daily as presented in the table below. In dogs with a bodyweight of less than 15 kg, accurate dosing is not always possible. These dogs may be treated with either 50, 100 or 150 mg, if it is feasible to achieve a target dose of 11-14 mg/kg bw.

12.5 mg	/kg bw	Numbe	r of tablets	of tablets per day		Dose mg/kg	
Dog body-weight		50 mg		150 mg	lower	upper	
in	kg				weight	weight	
≥ 15	18	1	plus	1	13.7	11.1	
> 18	22	2	plus	1	13.9	11.4	
> 22	26			2	13.6	11.5	
> 26	30	1	plus	2	13.5	11.7	
> 30	34	2	plus	2	13.3	11.8	
> 34	38			3	13.2	11.8	
> 38	42	1	plus	3	13.2	11.9	
> 42	46	2	plus	3	13.1	12.0	
> 46	50			4	13.0	12.0	
> 50	54	1	plus	4	13.0	12.0	
> 54	58	2	plus	4	13.0	12.1	
> 58	62			5	12.9	12.1	
> 62	66	1	plus	5	12.9	12.1	
> 66	70	2	plus	5	12.9	12.1	
> 70	74			6	12.9	12.2	
> 74	78	1	plus	6	12.8	12.2	
> 78		2	plus	6	12.8		

If the tablet is requrgitated or vomited within 10 minutes following administration, treatment should be repeated. If the tablet is regurgitated or vomited later than 10 minutes following administration, treatment should not be repeated.

9. ADVICE ON CORRECT ADMINISTRATION

How should I administer Masivet® to my dog, and for how long?

Tablets should always be administered in the same manner, with food.

The tablets must be administered as a whole and should not be divided, broken or ground. If a broken tablet is rejected by the dog after chewing, it should be disposed of

Treatment should be discontinued in case of:

- Haemolytic anaemia, i.e. haemoglobin < 10 g/dL and haemolysis, i.e. free bilirubin > 1.5 ULN and haptoglobin < 0.1 g/dL,
- . Anaemia due to lack of regeneration, i.e. haemoglobin < 10 g/dL and

Hepatic toxicity (ALT or AST elevation), neutropenia

In case of an increase of ALT or AST > 3 ULN, decrease of neutrophil count < 2000/mm3 or any other severe adverse events, treatment should be modified as follows:

At the first occurrence, treatment should be interrupted until resolution, then resumed at the same dose level;

At the second occurrence of the same event, treatment should be interrupted until resolution; treatment should then be continued with a reduced dose of 9 mg/kg bodyweight/day;

At the third occurrence of the same event, treatment should be interrupted until resolution; treatment should then be continued with a dose further reduced to 6 mg/kg/day:

Treatment should be discontinued, if severe adverse reactions are still encountered at the 6 mg/kg/day dose.

Summary of thresholds for laboratory evaluations resulting in contra-indication or treatment modification (interruption, dose reduction or discontinuation)

Dose

Treatment

Treatment

interruption

Management of hepatic toxicity (ALT or AST)							
> 3 ULN	> 3ULN (1st time)	> 3 ULN (2 nd /3 rd time)	> 3ULN (4th time)				
Management of neutropenia (Neutrophil counts)							
< 2000 /mm ³	< 2000 /mm ³ (1st time)	< 2000 /mm ³ (2 rd /3 rd time)	< 2000 /mm ³ (4th time)				
Management of protein-loss syndrome (Albuminemia and/or UPC)							
Albumin < 1 LLN or UPC > 2	Albumin < 0.75 LLN or UPC >2 (1st time) Not applica		Albumin < 0.75 LLN or UPC > 2 (2 nd time)				
Management of haemolytic and aregenerative anaemia (haemoglobin, bilirubin, haptoglobin, reticulocytes)							
Haemoglobin < 10g/dL	Not applicable	Not applicable	Haemoglobin < 10g/dL and either free bilirubin > 1.5 ULN and haptoglobin<0.1g/dl or reticulocytes < 80.000/mm3				

Dose adjustment

The recommended daily dose of 12.5 mg/kg body weight corresponds to the Maximum Tolerated Dose (MTD) that was derived from repeat dose toxicity studies in healthy Beagle dogs. In the case of adverse reactions, doses might be reduced to once daily doses of 9 mg/kg bodyweight (range 7.5 – 10.5 mg/kg) or 6 mg/kg bw (range 4.5 - 7.5) according to the tables below

If a dose is missed, the next schedule dose should be given as prescribed Do not increase or double the dose. If more than the prescribed amount of

tablets were given, contact your veterinarian.

Duration of treatment will be dependent on the response observed. Treatment should be maintained in the case of stable disease, i.e. static, partial or complete tumour response, provided that the product is sufficiently well tolerated. In case of tumour progression, efficacy of treatment is unlikely to be successful and the treatment should be reviewed.

The treatment should be reviewed after 4 to 6 weeks in order to assess the initial response. Long term treatment should be under regular (at least monthly) veterinary control

Can other medications be given while my dog is taking Masivet®? There are some medicines that you should not give to your dog during treatment because together, they might cause serious adverse effects. Concurrent use of other substances with a high degree of protein binding may compete with mastitinib binding and thus cause adverse effects.

Concurrent use of substances which are metabolised by CYP450 isoforms may result in higher or lower plasma levels of either mastitinib or those substances. Tell your veterinarian about all medicines, including over-the-counter

refrigion veterinarian about an integrition integrition of the products, that you intend to administer to your dog.

The efficacy of Masivet® might be reduced in dogs previously treated with chemotherapy and/or radiotherapy. No information relating to potential cross-resistance with other cytostatic products is available.

10. WITHDRAWAL PERIOD

Not applicable

11. SPECIAL STORAGE PRECAUTIONS

Keep out of reach and sight of children.

Do not store above 25°C

Do not use after the expiry date which is stated on the label after "EXP".

12. SPECIAL WARNING(S) 12.1 Special precautions for use: What are the special precautions for my dog?

Doos should be carefully monitored by your veterinarian (at least every month) bogs about to taching imministed by the adjusted or discontinued, if necessary. The treatment should be discontinued if any of these signs are observed: anaemia, severe neutropenia, severe renal toxicity, hepatic toxicity and/or severe diarrhoea or vomiting persistent after dose reduction. Dogs should not be used for breeding while under treatment

What are the special precautions to be taken by the person administering

Repeated dermal contact with masitinib may impair female fertility and foetal development.

The active substance of Masivet® can cause skin sensitisation.

- Avoid skin contact with faeces urine and vomit of treated doos Wear protective gloves while disposing of vomit, urine or faeces of
- treated dogs. If broken tablets, vomit, urine or faeces of treated doos come into contact

with the skin, rinse immediately with plenty of water.

The active substance of Masivet® can cause severe eye-irritation and serious damage to the eyes.

- Avoid contact with the eyes
- Take care not to touch the eyes before gloves have been removed and disposed of and the hands have been thoroughly washed
- . If the product comes into contact with the eyes, rinse immediately with

9 mg/kg bw		Number of tablets per day			Dose mg/kg	
Dog body in		50 mg		150 mg	lower weight	upper weight
≥ 15.0	19.4			1	10.0	7.7
> 19.4	25.0	1	plus	1	10.3	8.0
> 25.0	30.6	2	plus	1	10.0	8.2
> 30.6	36.1			2	9.8	8.3
> 36.1	41.7	1	plus	2	9.7	8.4
> 41.7	47.2	2	plus	2	9.6	8.5
> 47.2	52.8			3	9.5	8.5
> 52.8	58.3	1	plus	3	9.5	8.6
> 58.3	63.9	2	plus	3	9.4	8.6
> 63.9	69.4			4	9.4	8.6
> 69.4	75.0	1	plus	4	9.4	8.7
> 75.0	80.6	2	plus	4	9.3	8.7

6 mg/kg bw		Number of tablets per day		Dose mg/kg		
	y-weight kg	50 mg		150 mg	lower weight	upper weight
≥ 15.0	20.8	2			6.6	4.8
> 20.8	29.2			1	7.2	5.1
> 29.2	37.5	1	plus	1	6.9	5.3
> 37.5	45.8	2	plus	1	6.7	5.5
> 45.8	54.2			2	6.5	5.5
> 54.2	62.5	1	plus	2	6.5	5.6
62.5	70.8	2	plus	2	6.4	5.6
> 70.8	79.2			3	6.4	5.7
> 79.2		1	plus	3	6.3	

EU/2/08/087/001 EU/2/08/087/003

REFERENCES

- Murphy S, Brearley MJ. Ch7: Mast cell tumors.
 Decision making in Small animal oncology (2008)
 Blackwell Publishing.
- 2. Dubreuil P et al. Masitinib (AB1010), a potent and selective tyrosine kinase inhibitor targeting KIT. PLoS One. 2009 Sep 30;4(9):e7258.
- 4. Hahn KA et al. Masitinib is safe and effective for the treatment of canine mast cell tumors. J Vet Intern Med. 2008 Nov-Dec;22(6):1301-9.
- 5. de Vos J, Brearley M, First-Line and Rescue Therapy with Masitinib Integrated Protocols for Canine Cutaneous Mast Cell Tumors. Proceedings of the 30th Annual Conference of the Veterinary Cancer Society, October 29-November 1, 2010.
- 6. Polton G, de Vos J, Solmi F and Krupa A. The evaluation of progression free survival with mastinib incorporation into first line and rescue treatment protocols in 147 dogs with mast cell neoplasia. Proceedings of the Annual Conference of the European Society of Veterinary Oncology, 22-24 May. Vienna, Austria, 2014.
- 7. Grant J, North S et al. Multi-institutional retrospective evaluation of the clinical response and toxicity associated with the use of masitinib for the
- 8. Smrkovski OA, Essick L, Rohrbach BW, Legenddre AM. Masitinib mesylate for metastatic and non-resectable canine cutaneous mast cell tumours. Veterinary Comparative Oncology 2013: doi: 10.1111/vco.12053
- 9. Hahn KA, Legendre AM, Shaw NG, Phillips B, Ogilvie GK, et al. Evaluation of 12-and 24- month survival rates after treatment with masitinib in dogs with nonresectable mast cell tumors. American Journal of Veterinary Research 2010;71.1354-1361.
- 10. Serres F et al. Masitinib for maintenance therapy of 2 dogs with T-cell multicentric lymphoma. European Society of Veterinary Oncology Spring Congress, Turin Italy. March 2010
- 11..Cadot P et al. Masitinib decreases signs of canine atopic dermatitis: a multicentre, randomized, double-blind, placebo-controlled phase 3 trial. Vet Dermatol. 2011 Dec;22(6):554-64.

AB SCIENCE

Document Number: 2018-11-16/UK01.01