



VET EXPERT

BASED ON EVIDENCE

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KalmVet



KALMVET – PRODUCT CONCEPT

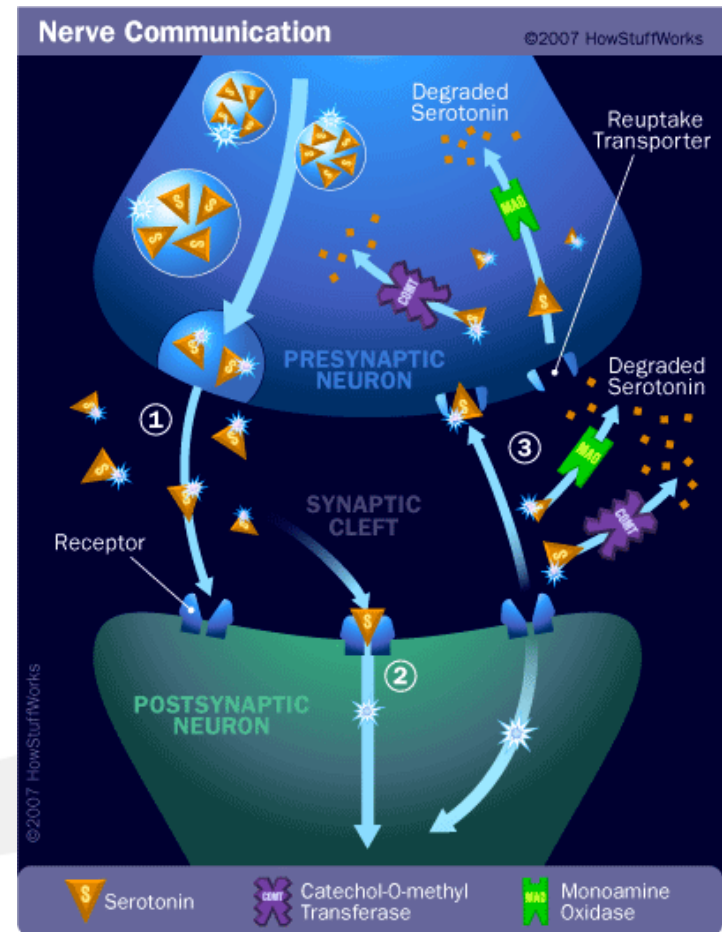
- Effective ingredients:
Tryptophan
Chamomila
Valeriana
- High palatability
- Twist Off – capsule
- Attractive price



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KALMVET – HOW IT WORKS?

- **Tryptophan** is an amino acid and serotonin precursor. Increased amount of dietary tryptophan results in increased concentration of tryptophan within the brain and the stimulation of serotonin production. Serotonin within the brain interacts with many different receptors and controls some physiological functions i.e. hormone release, pain sensation, appetite and behaviour (Bosch i wsp., 2007).
- The studied conducted on dogs revealed that increased level of brain serotonin could decrease the occurrence of aggression, self-injuries and increase the resistance of dogs to stress. Dogs treated with increased amount of serotonin exhibit decreased territorial aggression.



KALMVET – HOW IT WORKS?

- Valerian – the extract from *Valeriana officinalis* is commonly known as a substance with mild calming and anxiolytic properties (Houghton, 1988).
- The active substances present in the extract could bind with many receptors for neurotransmitters, including 5-HT_{5A} receptor, which is involved in modulation of anxiety. The anxiolytic activity of *Valeriana officinalis* extract was proved in many animal species and in humans (Kennedy and Wightman, 2011).
- Chamomila extract (*Chamomilla recutita*) exerts anxiolytic properties. Apigenin occurring in the extract binds to benzodiazepine receptors and exerts mild antistress and anxiolytic activity (Srivastava et al., 2010).
- Chamomile activity has been proved in patients with generalized anxiety disorder (Amsterdam et al., 2009).

KALMVET – DOSAGE

- Dosage:
Dogs and cats – to 10 kg b.w. - 1 capsule daily.
10 - 25 kg b.w. – 2 capsules daily.
Above 25 kg b.w. – 3 capsules daily.
- Presented dosages are initial ones and could be modified depending on the reaction of animal.



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