

A photograph of two dogs, likely Jack Russell Terriers, sitting on grass and chewing on a large, gnawed stick. The dog on the left is looking directly at the camera, while the dog on the right is looking slightly to the side.

## *Leading the Pack in Pet Oral Wellness*

### **What is Oravestin™**

- ❖ Oravestin™ is a potent Cyclooxygenase and Lipoxygenase Dual Inhibitor to help control the inflammation in all 4 stages of periodontitis
- ❖ Clinically proven to aid in controlling oral inflammation and bacterial growth
- ❖ Significantly reduces gum inflammation and plaque causing bacteria
- ❖ Natural, standardized composition from herbs known for historically safe usage
- ❖ Proprietary ingredient, patent pending

### **Application**

- ❖ Helps control oral inflammation and bacterial infection

### **Formulation**

- ❖ Can be used as an active agent in a range of oral products, including toothpaste, chews, tablets, capsules, liquids, powders and other delivery systems

## Benefits & Claims\*



- Clinically proven to reduce both oral inflammation and bacteria
- Effective dual COX/LOX inhibitor to help control inflammation in all 4 stages of periodontitis
- Potent antimicrobial against oral bacteria
- Significantly reduces plaque and gingivitis indexes
- Extensive *in vitro* and *in vivo* safety testing with no adverse effects
- High compatibility in formulating with other ingredients
- Proprietary ingredient, patent pending

## In vitro Efficacy\*



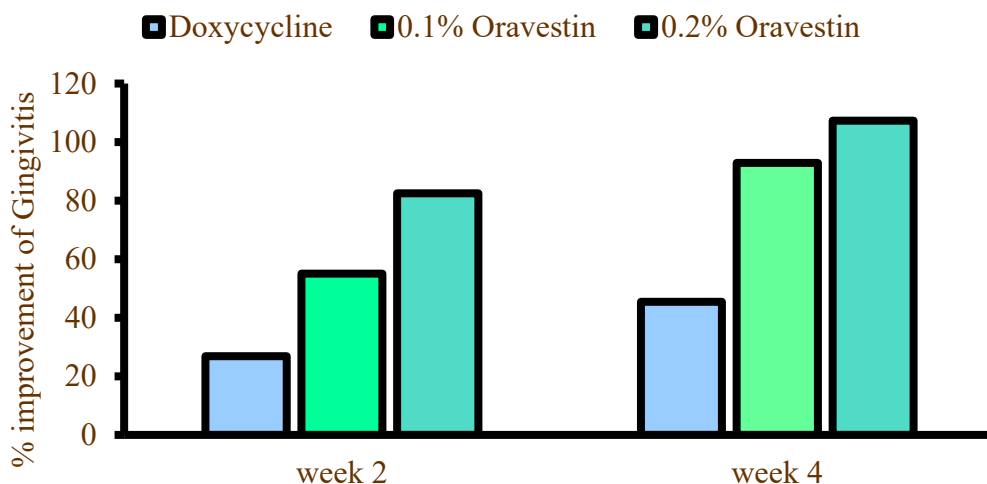
- Effectively inhibits COX-1 and COX-2 enzyme activity
- Down regulates both protein and gene expressions of pro-inflammatory cytokines
- Contains anti-oxidant and other naturally occurring dietary compounds to aid the body

## In vivo Efficacy\*



- Anti-inflammatory efficacy of Oravestin™ was confirmed based on 2 *in vivo* models
- Oravestin™ supplemented subjects experienced a quicker improvement in periodontal disease than doxycycline
- Produced statistically significant reductions in gingivitis, pocket depth, loss of attachment and gum bleeding

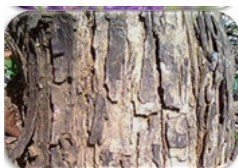
**Figure 1:** Changes in mean gingival indices subjects with ligature-induced periodontitis



## Botanical Origin & Physical Properties



- Name: Scutellaria baicalensis
- Part of Plant: Roots



- Name: Acacia catechu
- Part of Plant: Heartwoods

❖ Physical Properties: Greenish yellow to brown colored powder that partially dissolves in water

**For more information, e-mail [contact@unigen.net](mailto:contact@unigen.net)**

UNIGEN, INC. 2121 South State Street, Suite 400, Tacoma, WA 98405 | Phone: 253.274.7160 | <https://unigen.net>

Copyright © 2023 Unigen® All Rights Reserved. This information is provided for scientific and educational purposes related to this ingredient. When marketing this ingredient in a finished product to end consumers, it is your responsibility to ensure that product claims and indications are in compliance with all applicable laws and regulations including the Federal FD&C Act and the FTC Act.

\* Indications, claims and usage related to the benefits or property of the ingredient or product are governed in accordance with country-specific laws and regulations. Information is provided for scientific and educational purposes only