



## *Promoting Cartilage Health, Prolonging Vitality*

### **What is AmLexin®**

- ❖ Clinically proven to provide joint cartilage protection
- ❖ Proven to reduce oxidative stress & increase anti-oxidation capacity in clinical trials
- ❖ Clinically proven to be effective for normal delayed onset muscle soreness after regular exercise
- ❖ Verified efficacy and safety in multiple scientific peer reviewed publications
- ❖ Natural, standardized composition from herbs known for historical safe usage
- ❖ Patent protected

### **Application\***

- ❖ Alleviates joint discomfort and stiffness
- ❖ Provides protection for joint cartilage
- ❖ Enhances flexibility and physical function

### **Formulation**

- ❖ Can be used as an active agent in chews, tablets, capsules, powders and other delivery systems

## Benefits & Claims\*



- AmLexin® is a potent anti-oxidant that specifically neutralizes super oxide anion – a free radical generated by normal wear and tear
- Effectively inhibits cartilage catabolic pathways by modulating COX-1, COX-2, and 5-LOX enzyme activity
- Shown to have cartilage protective properties in ex vivo studies
- Patent protected

## In vitro Efficacy\*



- Down regulated COX-1 and COX-2 activities and stronger 5-LOX inhibitor than Boswellia based joint care compositions
- Possessed significantly higher capacity to neutralize highly reactive and oxidative Super Oxide Anion

## In vivo Efficacy\*



- Demonstrated significant comfort promoting activity in carrageenan induced *in vivo* model
- Significant reduction in the level of urinary CTX-II indicating its cartilage sparing activity

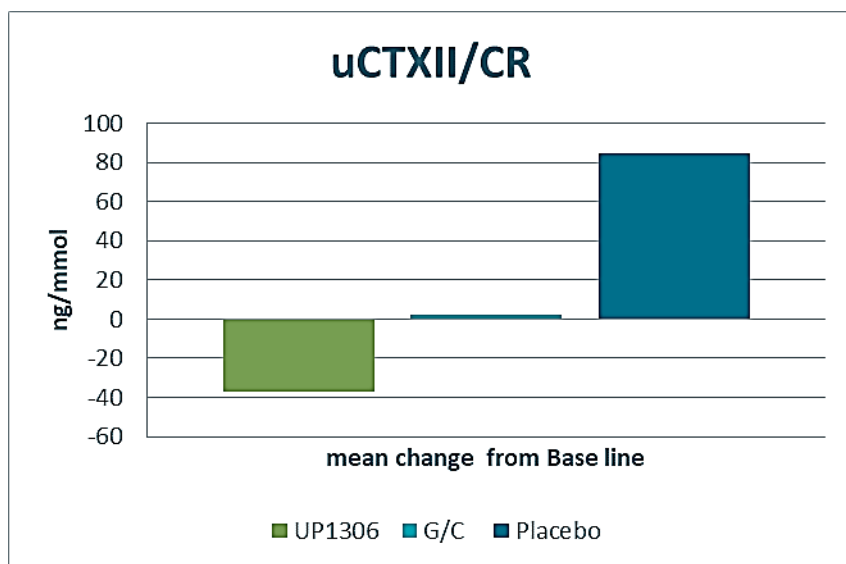


Figure 1: Figure 14. AmLexin® Significantly Reduces uCTX-II Levels vs. Placebo

## Botanical Origin & Physical Properties



- Name: Morus alba
- Part of Plant: Root bark



- Name: Acacia catechu
- Part of Plant: Heartwoods

❖ Physical Properties: Brown color powder, insoluble 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>

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