



JOINT CARE

MAY BE JUST A DAY AWAY



ASK YOUR DOCTOR IF
JOINT CARE
IS RIGHT FOR YOU.

Joint health is paramount to overall health and quality of life. Keeping active and simple movement can be hampered by joint discomfort, limiting an individual's life satisfaction.



FAST ACTING



JOINT RELIEF



PLANT DERIVED



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JOINT CARE ESSENTIALS



According to the World Health Organization (WHO), the number of people affected by joint complaints is expected to rise. Joint health is paramount to overall health and quality of life. Keeping active and simple movement can be hampered by joint discomfort, limiting an individual's life satisfaction. If you are seeking an ingredient for joint support, Perluxan™ extract may be the right solution for your formulation needs. Perluxan™ hops cones extract may help support normal joint function.

Science Behind Perluxan™

Perluxan™ extract may mitigate the effects of nitric oxide and cyclooxygenase-2 (COX-2)—some of the compounds that are responsible for inflammation and pain.

One in vitro study showed that alpha-acid hops extracts, like Perluxan™ extract, inhibited nitric oxide response in mouse macrophage cells. In another, alpha-acids extracted from hops were effective in inhibiting COX-2 in CACO-2 cells. In the second part of the study, human subjects submitted blood samples for analysis. Perluxan™ extract was shown to be effective at COX-2 inhibition for nine hours.

In a separate study, participants reported that Perluxan™ extract had a fast-acting effect on relieving joint discomfort, as compared with a placebo, two hours after the first dose.

Perluxan™ extract is gentle on the gut. A study published in *Phytochemistry* measured the fecal calprotectin content of subjects who had consumed a modified hops extract.

This biomarker was used as a surrogate for evaluation of gastrointestinal inflammation. After 14 days, hops extract induced no change in fecal calprotectin, whereas consumption of ibuprofen increased the marker 200%. (as reported by ashland)

SUPPLEMENT FACTS

Serving Size: 2 softgels	
Servings per Container: 30	Amount per Serving
Perluxan™ Hops Extract (300 mg Alpha Acids)	375 mg*

* Daily Value not established

Other Ingredients: Rice Bran Oil, Gelatin, Glycerin, Yellow Beeswax, Purified Water, Lecithin, Ginger Oil, Peppermint Oil

Contains: Soy.

PERLUXAN™ is a registered trademark, Ashland or its subsidiaries.

Why Perluxan Is Better™

- The active compounds in Perluxan™ extract reduce inflammatory markers in laboratory tests (in vitro and ex vivo)
- Plant-derived alternative to relieve joint discomfort
- No indication of gastrointestinal irritation
- Fast absorption supported by studies
- Functional ingredient from a food source, not a drug