

# AstraGin®

## Amplified Nutrient Absorption & Gut Health

AstraGin® is ideal for people in all walks of life. Whether you're a weekend warrior hiking your favorite trail, an athlete looking to get more out of your supplements, or a busy professional looking to achieve better health through better absorption, go with AstraGin®.

### A FULL SPECTRUM GUT HEALTH NUTRACEUTICAL

AstraGin® supports increased absorption of many vital nutrients resulting in a healthy gut environment.

AstraGin® is a US patented 100% natural compound composed of two highly purified extracts from *Astragalus membranaceus* and *Panax notoginseng* produced by a NuLiv Science pharmaceutical-grade extraction and processing technology.



GRAS-AFFIRMED



INGREDIENT

INFORMED INGREDIENT CERTIFIED



NOVEL FOOD STATUS



MULTIPLE PATENTS



GUT BARRIER INTEGRITY



NATURAL

### Discover the Innovation of Consumer Nutrition

AstraGin® can be used in most products, but it's most useful in formulas containing:

#### POORLY ABSORBED NUTRIENTS

Such as curcumin and plant-based proteins



#### SPORTS NUTRITION

Popular in many amino-based products such as pre-workouts, BCAAs, and proteins



#### GUT HEALTH

Probiotics and other products that focus on GI health



#### CANNABIS

A study commissioned by a large publicly traded cannabis company demonstrated increased uptake



#### VITAMINS & MINERALS

Omega-3, Folate, Glucosamine, and more



#### RTD BEVERAGES

Coffee, energy drinks, teas, and more



## The Formulation for Better Health & Wellness

AstraGin® is clinically validated in 16 *in-vitro* and 8 *in-vivo* studies published in:

- [Journal of Agricultural and Food Chemistry](#)
- [Molecular Nutrition & Food Research](#)
- [Scientific Reports](#)

## Clinical Findings

AstraGin® is proven to elevate product performance in the human body from enhanced absorption, protein synthesis, lumen renewal, immune functions, and more.

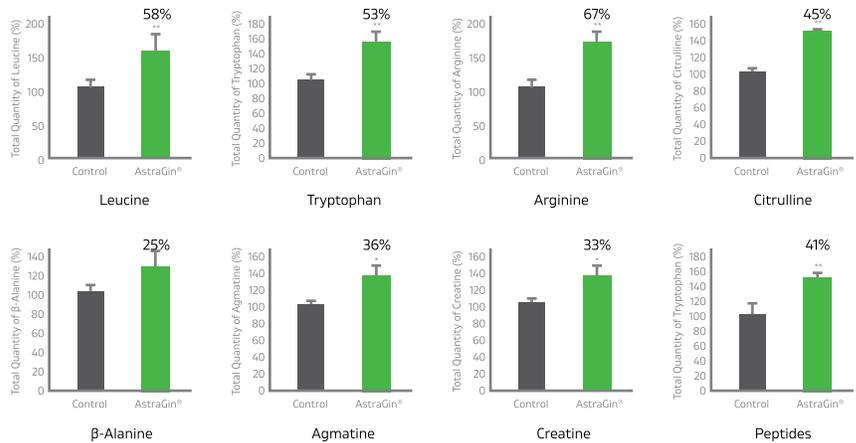
View all study references at [www.nulivscience.com/ingredients/astragin](http://www.nulivscience.com/ingredients/astragin)

\*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

### Legend

■ Control      ■ AstraGin®

**Enhanced absorption**, indicated by increased uptake through special absorption sites on the intestinal lumen by up-regulating the expression level of specific mRNA and transport proteins, such as SGLT1 and CAT1.



**Improved gut health and immune functions**, indicated by reducing intestinal mucosa inflammation & permeability as well as mending ulcerated epithelial cells and reduce inflammation in lamina propria that host many immune cells, such as gut-associated lymphoid tissue (GALT), T cells, plasma cells, mast cells, dendritic cells, and macrophages.

