

INNOSLIM®

STIMULANT-FREE WEIGHT MANAGEMENT

THE CHALLENGE IN WEIGHT LOSS

As our understanding improves of how the human body regulates weight, effective and safe long-term weight management is a complex balance of not only calories and energy expenditure but also of individual cell health and its fat utilization.*

HOW INNOSLIM® WORKS IN THE HUMAN BODY

In a total of 16 *in-vitro* studies and one human clinical study (double-blind, RCT) pending publication, InnoSlim® has demonstrated it may support healthy glucose metabolism and optimal AMPK and adiponectin processes.*

InnoSlim® has demonstrated it may reduce glucose absorption in the small intestines and support optimal fat utilization through the adiponectin-AMPK-HIF-1-GLUT4 pathway.*

The approach InnoSlim® adheres to is effective and safe long term weight management by addressing the fundamental issues affecting individuals with weight management issues by supporting healthy and normal fat burning.

NORMAL FAT BURNING?

In our youths, our cells are all functioning in an optimal state. Energy usage and fat utilization are in sync thanks to healthy AMPK activation. As we age, AMPK enzyme activity diminishes in our cells, resulting in less efficient fat utilization. Is it any wonder that as teenagers we can eat just about anything but as adults, we're destined to salads and calorie counting?

InnoSlim® has demonstrated it may up-regulate and enhance AMPK expression levels in fat and muscle cells, providing a normal and healthy foundation for sustainable weight loss.*

CLINICAL FINDINGS

- Supports healthy weight management*
- Supports enhanced fat burning and weight loss*
- Decreases circulating glucose (in pre-clinicals)*
- Supports healthy insulin sensitivity*

APPLICATIONS

| | |
|----------------------|----------------|
| Protein powders | Ready-to-drink |
| Meal replacements | Supplements |
| Functional beverages | Medical foods |

PRODUCTS WITH INNOSLIM®

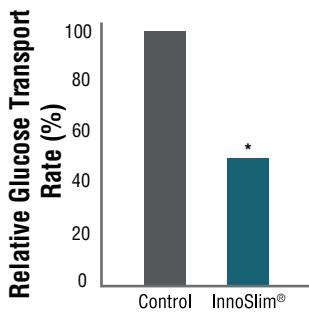
In many weight management products such as IdealFarma, HPN Nutraceuticals, Swanson, SlimFast, Sparta Nutrition, and Torem Inc.



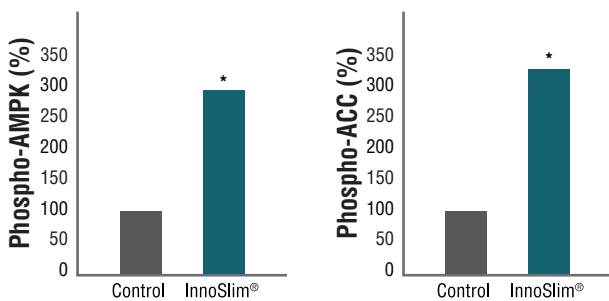
PRODUCT PROPERTIES

- Composition: a proprietary blend of highly purified and fractionated extracts from *Astragalus membranaceus* (CAS#94166-93-5; EC#303-391-9) and *Panax notoginseng* (CAS#94279-78-4; EC#304-823-9) produced by a proprietary pharmaceutical extraction and fractionation process
- Marker compounds: Total saponins $\geq 2.5\%$
- Solubility: Soluble in water
- Color: Light beige
- Odor: Characteristic
- Taste: Slightly bitter
- Appearance: Fine granular powder
- pH: 6.0-7.0 (1g in 100ml water)
- Dose: 250mg
- Shelf life: 36 months
- Preservative: None
- Pesticide & herbicide residues: No more than detection limits

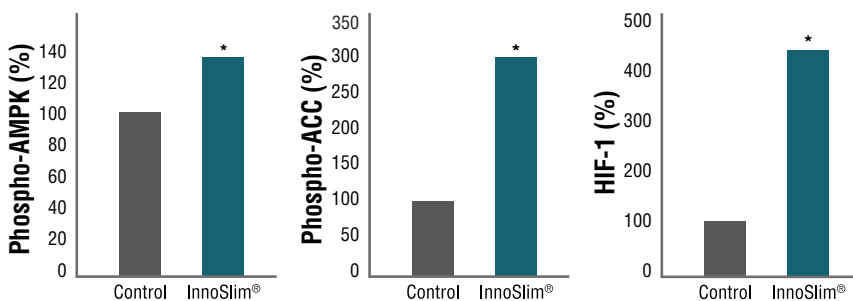
Decreases glucose absorption in intestinal cell (caco-2 cell) by 48%.



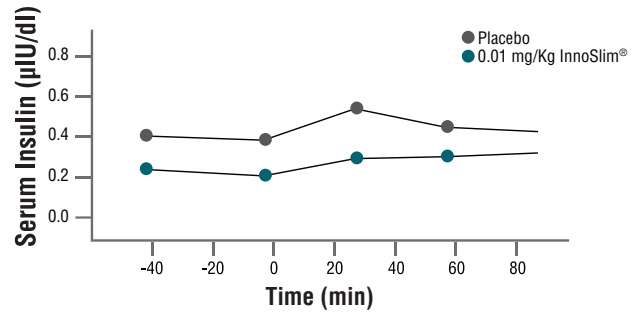
Up-regulates the protein expression levels of phospho-AMPK and phospho-ACC in **fat cells**.



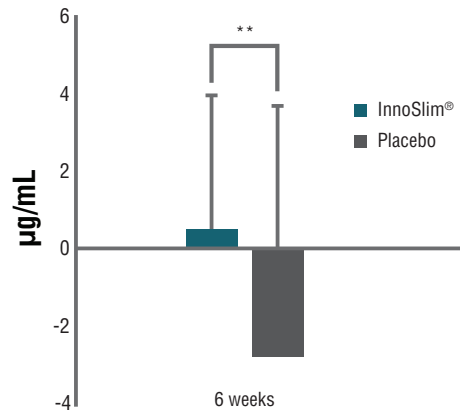
Up-regulates the protein expression levels of phospho-AMPK, phospho-ACC, and HIF-1 in **muscle cells**.



Decreases insulin levels in Sprague-Dawley rats in 90 minutes by 38% (AUC) after oral glucose administration.



23.6% increase in adiponectin at 6 week mark vs. placebo.



*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.