HOW INNOSLIM® WORKS IN THE BODY

In a total of 16 In vitro, 3 on Caco-2 cells, 3 on HSMMT (muscle) cells, 8 on 3T3-L1 (fat) cells, and 2 on HepG2 (liver) cells, and 2 In vivo studies, 1 on OGTT (oral glucose tolerance test), and 1 on insulin, InnoSlim® has shown to regulates glucose, fat cells, and muscle cells metabolisms and have positive effects in reducing glucose absorption in the gastrointestinal tract and in increasing fat cells combustion and muscle cells glycogen synthesis. Specifically, InnoSlim® decreases circulating glucose and reduces fat accumulation through Adiponec- tin-AMPK- HIF-1-GLUT4 pathway and results in a favorable metabolic milieu for correcting and supporting type 2 diabetic conditions.

InnoSlim®'s approach to weight loss and metabolic syndromes is novel and new in that it addresses the underlying metabolic derailment by correcting and optimizing the glucose and fat metabolism.

BENEFITS

- Supports enhanced fat burning and fat loss
- Decreases circulating glucose
- Supports healthy insulin sensitivity

APPLICATIONS

- PROTEIN POWDERS
- MEAL REPLACEMENTS
- RTD (READY-TO-DRINK)
- FUNCTIONAL BEVERAGES
- MEDICAL FOOD
- BAKED GOODS

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 ≥ 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

ACC : Acetyl CoA carboxylase
AMPK : AMP-activated protein kinase
GLUT4 : Glucose transporter type 4
SUMMARY OF EFFICACY TESTS

In vitro
Decreases glucose absorption in O.C.C. (Caco-2 cell) by 48%  

Increases glucose absorption in muscle and fat cells by 50% and 68%  

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

Up-regulates the protein expression level of phospho-AMPK and phospho-ACC in fat cell  

Up-regulates the expression level of mRNA of Adiponectin in fat cell  

Down-regulates the expression level of mRNA of PAI-1, RBP4, and TNF in fat cell

In vivo
Reduces blood sugar level in Sprague-Dawley rats by 11% (AUC) in 90 minutes after glucose administration (50% v/w, 1g/kg)

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

PUBLICATION & REFERENCE


KEN’S EXPERIENCE ON INNOSILM®

Ken Montes, NuLiv Sales manager  
Santa Monica, CA, USA  
8 months, 300 mg twice a day

“I took 300 mg InnoSlim® in the morning after waking up and another 300 mg in late afternoon. I lost 70 lbs in 8 months with no change in diet and physical activity level. I felt InnoSlim® helped reduce my appetite and craving. I also felt it is easier to lost fat in my body.”

NuLivScience nutraceutical solution

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