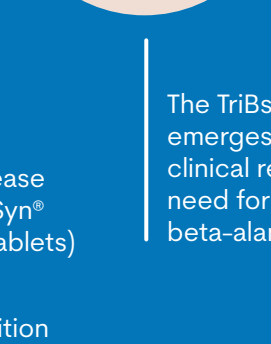
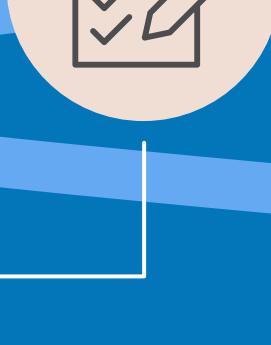


## 1 THE TRIBSYN™ EVOLUTION



Completed clinical trials  
Developed CarnoSyn®-boosting products (CarnoSyn® instant release beta-alanine powder, SR CarnoSyn® sustained release beta-alanine tablets)  
Granted global patents  
Awarded science-based recognition  
Received New Dietary Ingredient status (NDI)

The TriBsyn™ innovation emerges from the past clinical research and the need for a paresthesia free beta-alanine powder.

The dietary supplement category, including medical and other fortified food products, is introduced to the new carnosine booster, TriBsyn™.

Our beta-alanine experts identified the need for a carnosine booster to support health benefits like muscle vitality, cognitive support and anti-aging.

## 2 Carnosine Science Behind TriBsyn™

A Carnosine Booster Supporting Healthy Aging & Wellness

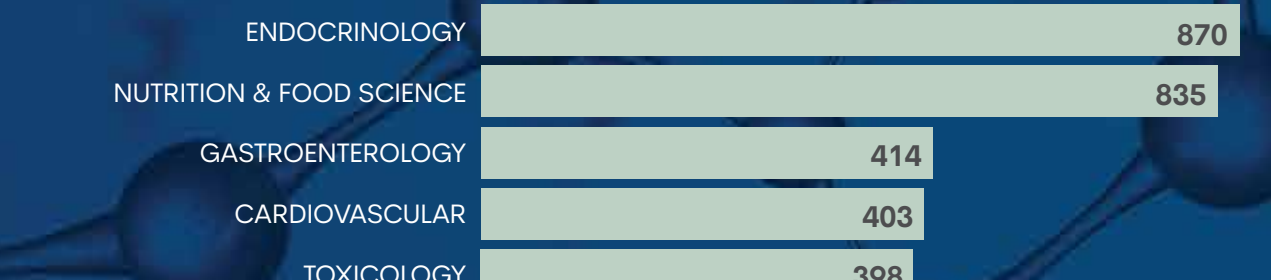


Carnosine, which is naturally produced in the body through the synthesizing of beta-alanine and histidine, is a powerful antioxidant that has been shown to provide health benefits for brain, muscle, heart, bone, and overall systemic health. Increased carnosine levels through beta-alanine supplementation are positively correlated, as beta-alanine is the rate-limiting factor in carnosine production.

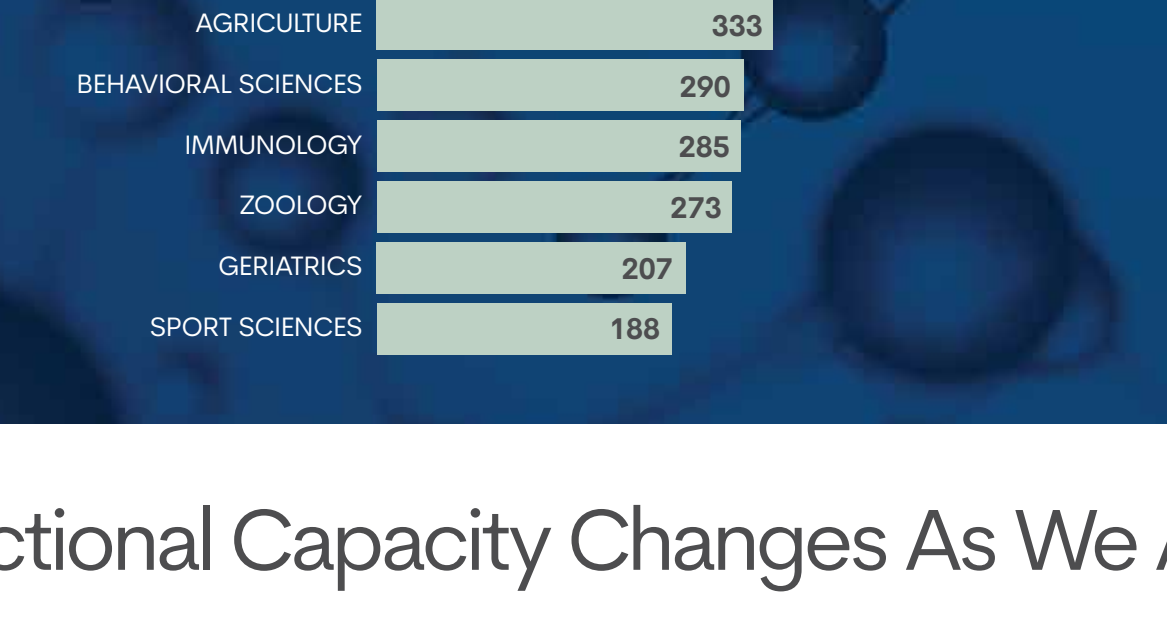
## Carnosine Research Provides Broad Scientific Evidence

From fundamental properties to potential applications, with over 3,300 scientific publications.

### Fundamental Research

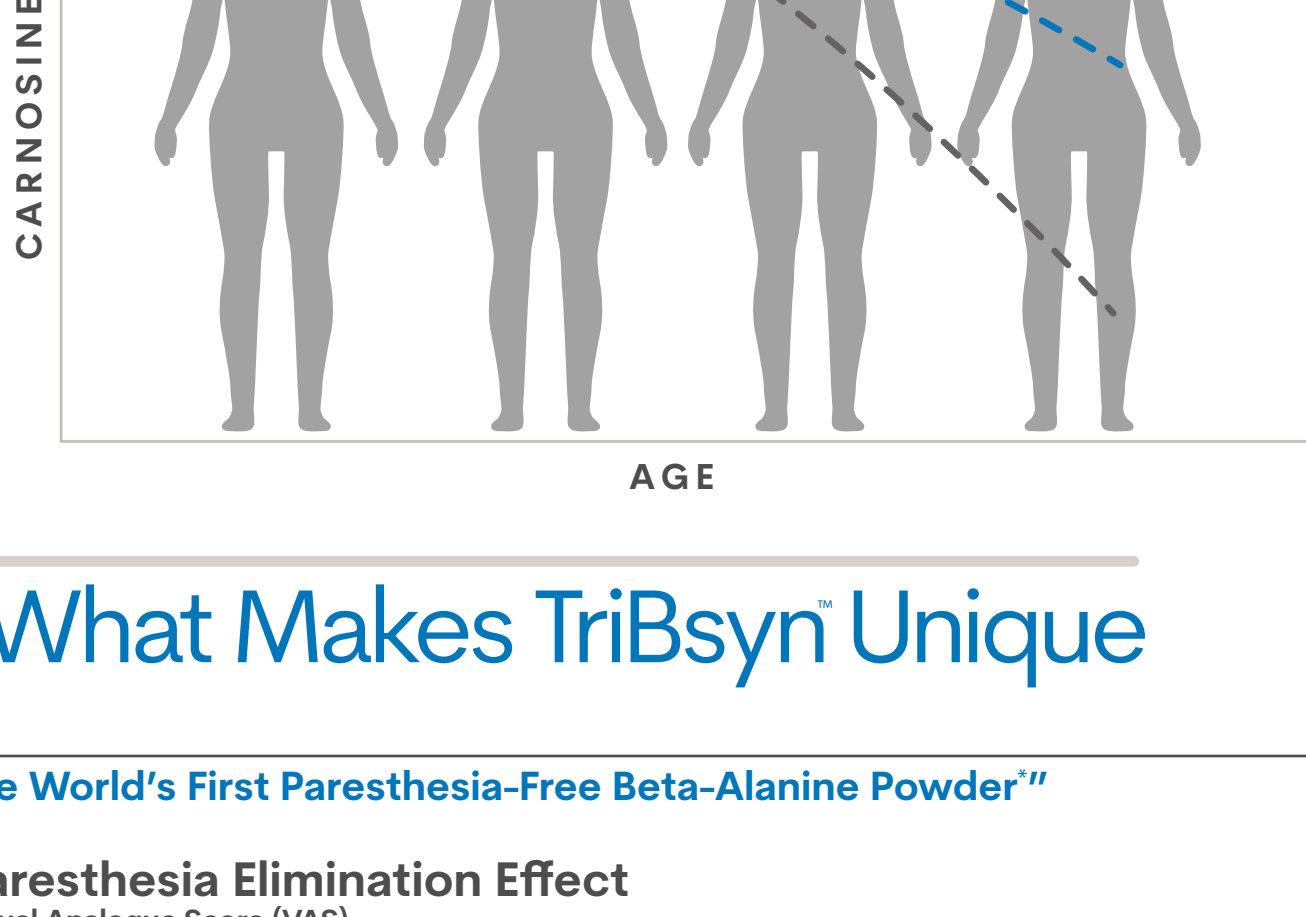


### Applied Research



## Functional Capacity Changes As We Age

TriBsyn™ Slows The Decline Of Carnosine Levels



## 3 What Makes TriBsyn™ Unique

"The World's First Paresthesia-Free Beta-Alanine Powder"

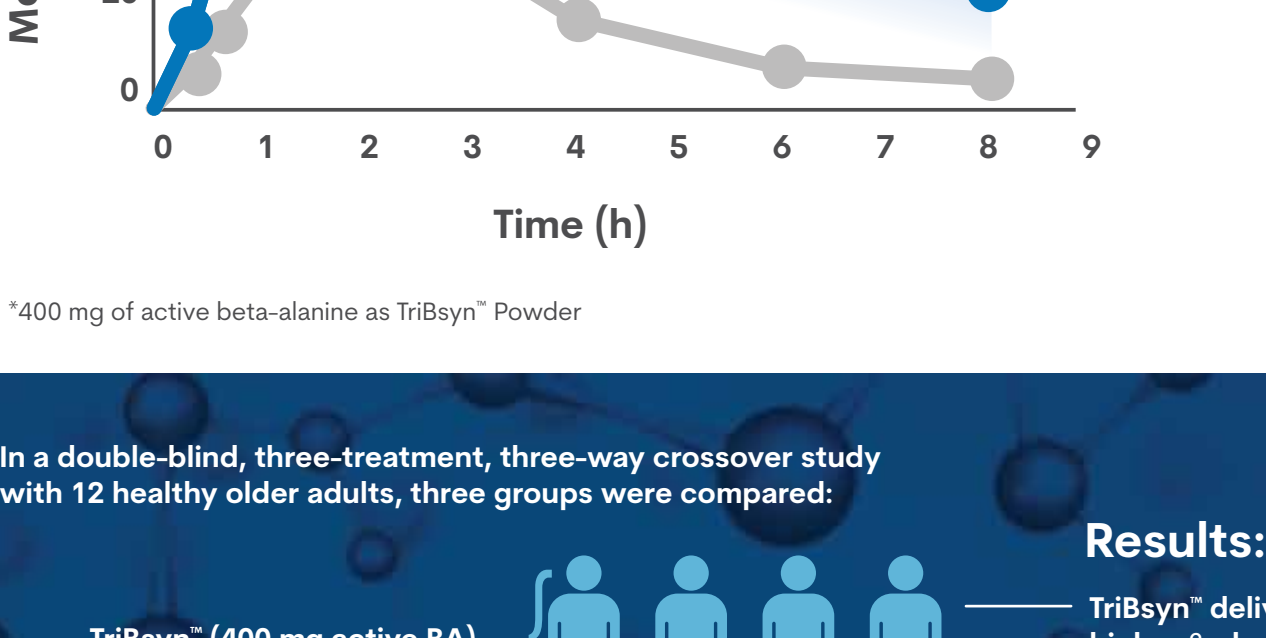
### Paresthesia Elimination Effect

Visual Analogue Score (VAS)



\*400 mg of active beta-alanine as TriBsyn™ Powder

### Over 4x Bioavailability With Comfortable Dosing



\*400 mg of active beta-alanine as TriBsyn™ Powder

In a double-blind, three-treatment, three-way crossover study with 12 healthy older adults, three groups were compared:

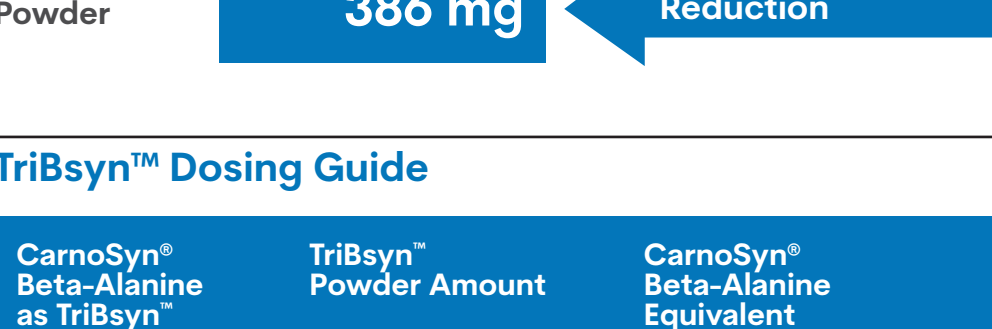


\*data not shown, available in publication

TriBsyn™ increases bioavailability, providing a safe, paresthesia-free solution for enhanced muscle and cognitive benefits suitable for wellness and healthy aging market.

### Efficiency and Formulation Flexibility for Healthy Aging & Wellness

#### Efficacious Dosing

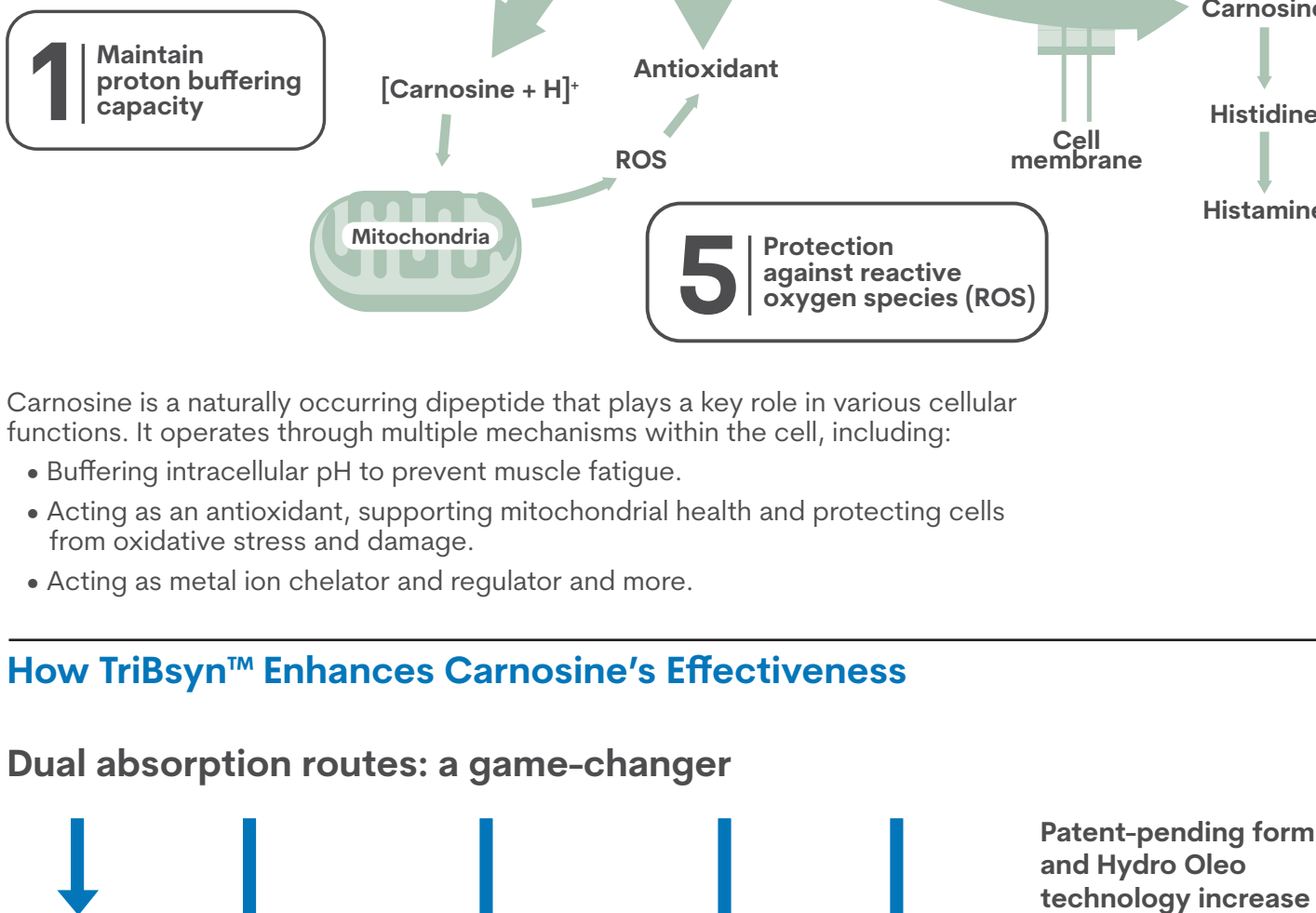


#### TriBsyn™ Dosing Guide

CarnoSyn® Beta-Alanine as TriBsyn™	TriBsyn™ Powder Amount	CarnoSyn® Beta-Alanine Equivalent
270 mg	386 mg	1,200 mg
540 mg	772 mg	2,400 mg
720 mg	1,029 mg	3,200 mg

## 4 How TriBsyn™ Increases Bioavailability

### Carnosine's Multi-Level Mechanism of Action

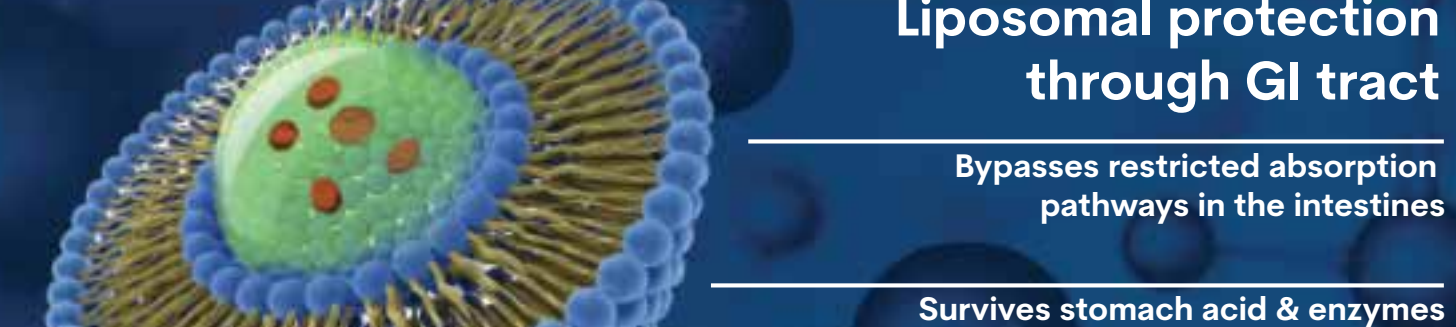


Carnosine is a naturally occurring dipeptide that plays a key role in various cellular functions. It operates through multiple mechanisms within the cell, including:

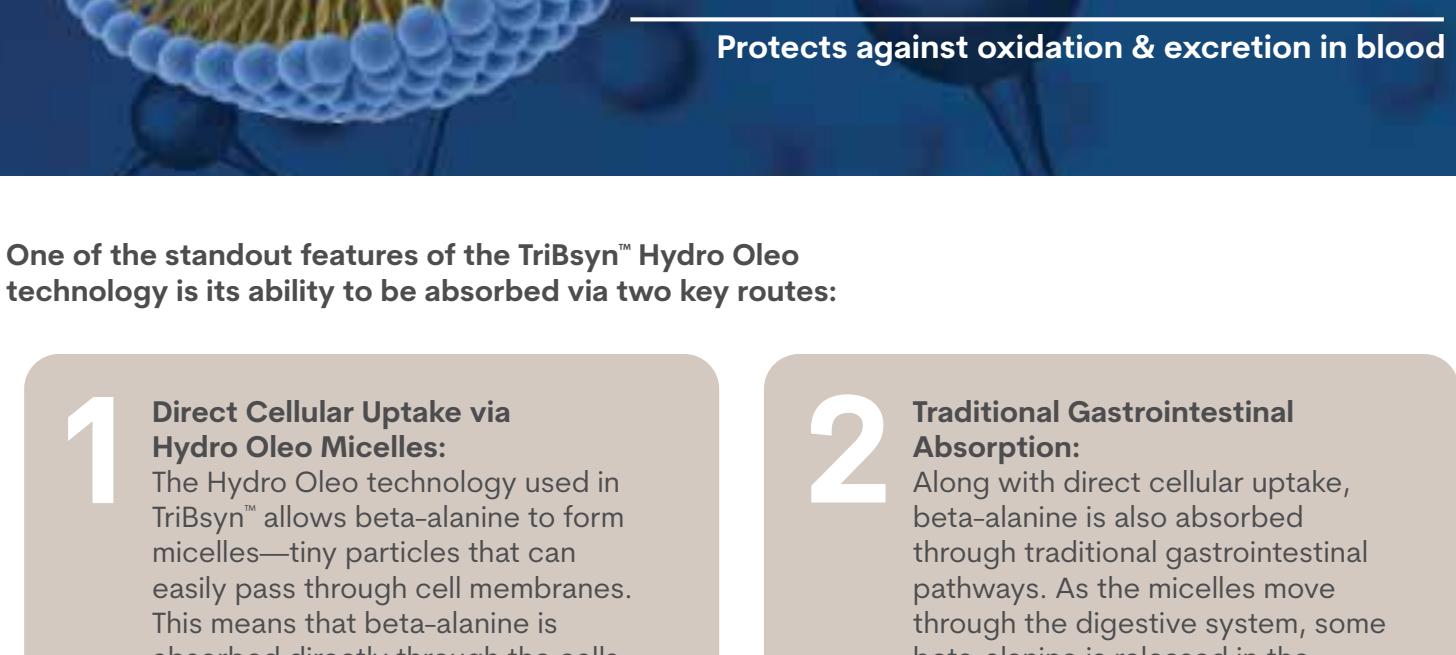
- Buffering intracellular pH to prevent muscle fatigue.
- Acting as an antioxidant, supporting mitochondrial health and protecting cells from oxidative stress and damage.
- Acting as metal ion chelator and regulator and more.

### How TriBsyn™ Enhances Carnosine's Effectiveness

#### Dual absorption routes: a game-changer



Patent-pending formula and Hydro Oleo technology increase the bioavailability of beta-alanine by providing an extra route of absorption and by providing protections through the GI tract.



One of the standout features of the TriBsyn™ Hydro Oleo technology is its ability to be absorbed via two key routes:

**1 Direct Cellular Uptake via Hydro Oleo Micelles:** The Hydro Oleo technology used in TriBsyn™ allows beta-alanine to form micelles—tiny particles that can easily pass through cell membranes. This means that beta-alanine is absorbed directly through the cells in the gut lining, bypassing much of the digestive degradation that would occur with standard beta-alanine supplements.

**2 Traditional Gastrointestinal Absorption:** Along with direct cellular uptake, beta-alanine is also absorbed through traditional gastrointestinal pathways. As the micelles move through the digestive system, some beta-alanine is released in the intestines, ensuring dual-phase absorption that makes the beta-alanine more bioavailable over time.

In short, TriBsyn™ delivers greater carnosine production with significantly less material, offering a powerful solution for enhanced brain and muscle health.

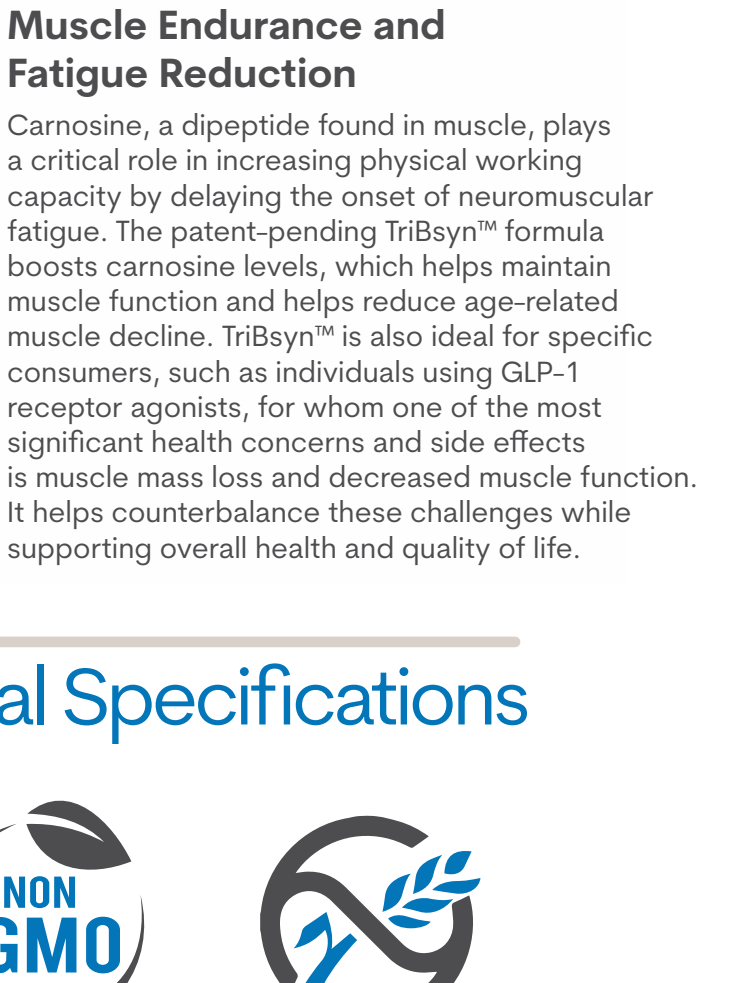
## 5 TriBsyn™ Benefits

### A Holistic Approach: Cognitive and Physical Health Synergy

Unlike many supplements that focus on only one aspect of well-being, TriBsyn™ delivers a comprehensive solution by supporting both cognitive and muscle function.

#### Support for Cognitive Function and Mental Clarity

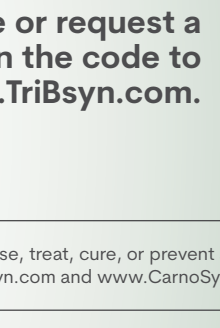
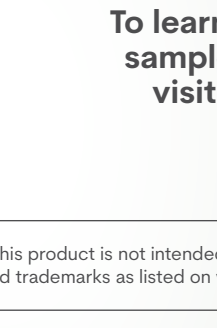
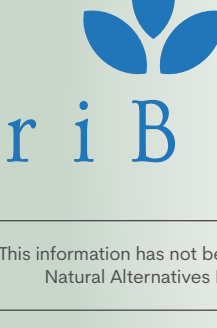
Beta-alanine and carnosine have been shown to slow the process of age-related cardiovascular, metabolic, and neurological decline, with substantial implications for older adults who experience deficits in muscle and brain health. The patent-pending TriBsyn™ formula with Hydro Oleo technology delivers significantly more beta-alanine to the body's cells, promoting faster and greater carnosine synthesis. Increased brain carnosine levels have been linked to various cognitive benefits, including improved expression of brain-derived neurotrophic factor (BDNF) in the hippocampus under stress, reduced inflammatory response to stress via reduced glial fibrillary acidic protein (GFAP) levels, and maintenance of dendritic complexity. These effects collectively contribute to better cognitive function.



#### Carnosine Boost for Muscle Endurance and Fatigue Reduction

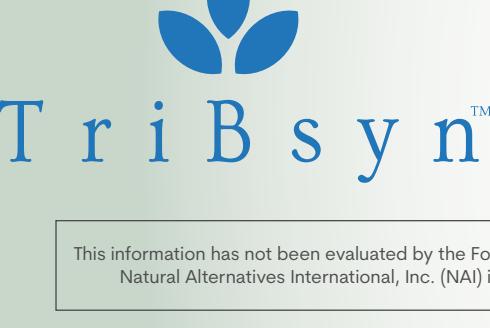
Carnosine, a dipeptide found in muscle, plays a critical role in increasing physical working capacity by delaying the onset of neuromuscular fatigue. The patent-pending TriBsyn™ formula boosts carnosine levels, which helps maintain muscle function and helps reduce age-related muscle decline. TriBsyn™ is also ideal for specific consumers, such as individuals using GLP-1 receptor agonists, for whom one of the most significant health concerns and side effects is muscle mass loss and decreased muscle function. It helps counterbalance these challenges while supporting overall health and quality of life.

## 6 Compliance & Technical Specifications



- ✓ Water soluble
- ✓ Free flow

- ✓ Fine powder
- ✓ Reduced clumping



To learn more or request a sample, scan the code to visit [www.TriBsyn.com](http://www.TriBsyn.com).

