

# CAPRYL-BUTYRATE™ CAPSULES

Advanced MCT-C8-Butyrate Complex for Energy,  
Metabolism, and Cognitive Enhancement

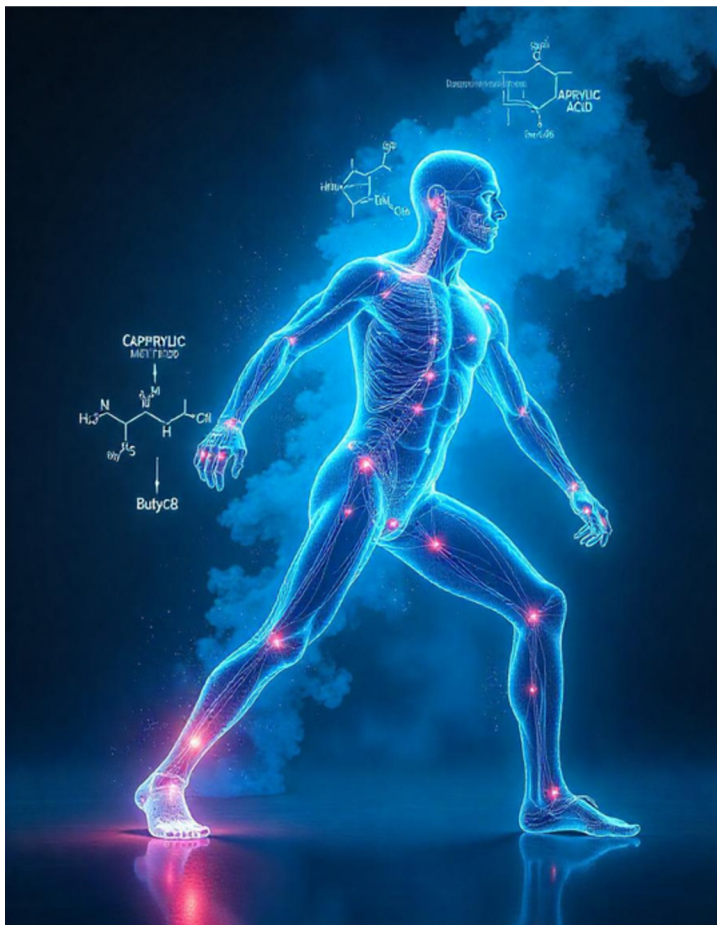


**BIOLOGIC**   
**pharmamedical**  
research + manufacturing

NATURAL LIFE-CHANGING SOLUTIONS

# What is Capryl-butyrate™?

Introducing our advanced MCT-C8-Butyrate Complex, a breakthrough technology that merges the metabolic power of Medium Chain Triglycerides (MCTs), specifically the C8 fatty acid caprylic acid, with the gut-health benefits of Butyrate. Specially engineered for individuals who want to optimize energy production, metabolic balance, and overall vitality, this supplement is designed to seamlessly integrate into your daily routine. Not only is butyrate critical for blood sugar management, cognition and microbiome health, our research shows it serves as a ligand that sparks up ketone production in the body by way of beta-oxidation, facilitating the use of the medium chain fat (C8) as a substrate to make ketones.



By enhancing fat metabolism and supporting ketogenesis, this potent combination transforms how your body utilizes fats as a primary energy source, leading to significant improvements in both physical and cognitive performance; while pushing the body to use up endogenous fat stores and diminish unwanted body fat.

# Key Benefits of Capryl-butyrate™ Capsules

## **PROMOTES KETOSIS & ACTIVATES KETOGENESIS**

Capryl-butyrate™ is a highly efficient substrate for ketones, which induces and maintains a state of ketosis-where fat is the body's primary fuel. This metabolic shift enhances fat-burning and energy production.

## **BOOSTS BROWN FAT ACTIVATION (BAT)**

This technology also supports the activation of Brown Adipose Tissue (BAT), promoting thermogenesis-the conversion of fat into heat. This unique fat-burning mechanism supports increased energy expenditure, even at rest, which is ideal for fat loss and metabolism regulation; again pushing the body to spontaneously use up unwanted fat stores.

## **IMPROVED FAT METABOLISM FOR ENERGY**

As a key component of ATP synthesis, this supplement ensures that fat is effectively utilized for energy production, promoting sustained stamina and vitality throughout the day.

## **ENHANCED CALORIC BALANCE**

By facilitating efficient calorie usage and increasing the expenditure of stored fats, this formula helps balance caloric intake and supports natural weight management.



## **SUPPORTS BLOOD SUGAR MANAGEMENT**

The Capryl-butyrate™ complex helps to stabilize blood sugar levels by providing a steady, reliable energy source, which can minimize the blood sugar spikes and crashes often experienced with carbohydrate consumption.

## **APPETITE CONTROL & SATIETY**


The Capryl-Butyrate's unique properties aid in controlling hunger and cravings by promoting feelings of fullness, helping you naturally regulate caloric intake.

## **ENHANCED COGNITIVE PERFORMANCE**

The ketones generated from the activated caprylate readily cross the blood-brain barrier, offering immediate fuel for brain cells, supporting better focus, memory retention, and overall cognitive function.

## **SUPPORTS LEAN MUSCLE MASS**

While promoting fat loss, Capryl-butyrate™ helps maintain lean muscle mass by providing a steady stream of ketone energy, allowing your body to use fat, not muscle, as its primary energy source.



This newly patented engineered supplement is ultimately an ACTIVATED CAPRYLATE - an ideal choice for individuals looking to enhance both their metabolic function and overall energy levels. The combination of MCT-C8 and Butyrate offers multiple health benefits-from boosting metabolism to improving blood sugar regulation and appetite control. It not only supports ketosis and fat loss but also ensures that your brain and muscles are optimally fueled. As a natural, clean energy source, this supplement can help you achieve sustainable, long-term health goals, whether you're focusing on weight management, cognitive performance, or overall vitality.

By incorporating Capryl-butyrate™ into your daily regimen, you're equipping your body with an efficient and reliable source of energy, while supporting fat loss, muscle preservation, and mental clarity-making it the perfect companion for a balanced, active lifestyle. Capryl-butyrate™ is not your typical MCT or C8 source. Capryl-butyrate™ is C8 activated by butyrate's induction of beta oxidation pushing C8 to be used as a substrate for ketone production.

## Supplement Facts:

SERVING SIZE: 2 Capsules (Each capsule contains)

Capryl-Butyrate Complex™ (MCT-C8 complexed to Butyrate)	670mg
Green Tea (catachins 50% caffeine)	50mg
Green Coffee Bean	85mg
Vanadyl Sulphate	1mg
Chromium (Polynicotinate)	30mcg

Other Ingredients: Vegetable Capsule (Hydroxypropyl methycellulose, water) rice hull, silicon dioxide

# Unlock Your Body's True Potential

## Fuel Your Brain and Body for Peak Performance

Our Capryl-butyrate™ Complex is a synergistic fusion of natural, metabolic enhancers designed to support your body's innate ability to burn fat, maintain energy, and stay mentally sharp. By drawing on nature's purest sources of medium and short-chain fats, this supplement gives your body what it needs to thrive—holistically and sustainably.

Each dose delivers an optimal balance of MCT-C8 (Caprylic Acid), a powerful fat derived from coconut oil, and Butyrate, a short-chain fatty acid produced naturally in the gut. Together, they activate key metabolic pathways that optimize energy production, brain function, and overall vitality—without the need for synthetic stimulants or harsh chemicals.



### Sustainable Energy Without Crashes

Unlike carbohydrate-based energy sources that lead to blood sugar spikes and subsequent crashes, Capryl-butyrate™ offers a stable, long-lasting energy supply that keeps you powered throughout the day without any jittery side effects or midday slumps.



### Gut Health Support

Butyrate plays a crucial role in maintaining gut health by feeding the cells of the colon and supporting a healthy gut lining. By combining Butyrate with MCT-C8, this supplement not only enhances fat metabolism but also promotes optimal digestion and nutrient absorption—essential elements of naturopathic health.



### Natural Appetite Regulation

Help your body listen to its natural hunger cues. With this supplement, you can balance your appetite and naturally reduce cravings, leading to healthier food choices and better long-term weight management.



### **Promotes Detoxification**

By stimulating brown fat activation and thermogenesis, the supplement also helps the body eliminate toxins through the fat-burning process. This supports the naturopathic principle of detoxification, promoting better overall health.



### **Free of Artificial Ingredients**

Formulated without fillers, artificial preservatives, or GMOs, Caprylbutyrate™ is crafted to be as pure as possible, respecting your body's natural rhythms and aligning with naturopathic principles that prioritize the use of natural, non-toxic ingredients.

# WHY CHOOSE MCT-C8 BUTYRATE COMPLEX FOR DAILY USE?

Backed by Science, Rooted in Nature: The key ingredients in Caprylbutyrate™ have been extensively researched for their metabolic and gut health benefits. When combined, they create a holistic supplement that works with your body's natural processes to promote optimal health.

## **Comprehensive Health Support**

Whether you're a professional looking to improve cognitive function and energy, or an athlete seeking better endurance and fat metabolism, this supplement is designed to support your body's diverse needs.

## **Optimized for Modern Lifestyles**

The fast-paced nature of modern life can leave many feeling sluggish, mentally foggy, and prone to weight gain. Our supplement is here to offer clean energy, enhanced mental clarity, and natural fat-burning, making it easier to navigate your daily demands.

## **Ideal for These Lifestyles**

**Keto & Low-Carb Dieters:** Helps maintain and deepen ketosis while ensuring steady energy for both mental and physical performance.

## **Active Individuals**

Supports energy, stamina, and recovery, making it an ideal choice for athletes and fitness enthusiasts.

## **Busy Professionals**

Offers cognitive support and stable energy, helping you stay sharp and focused throughout your day.

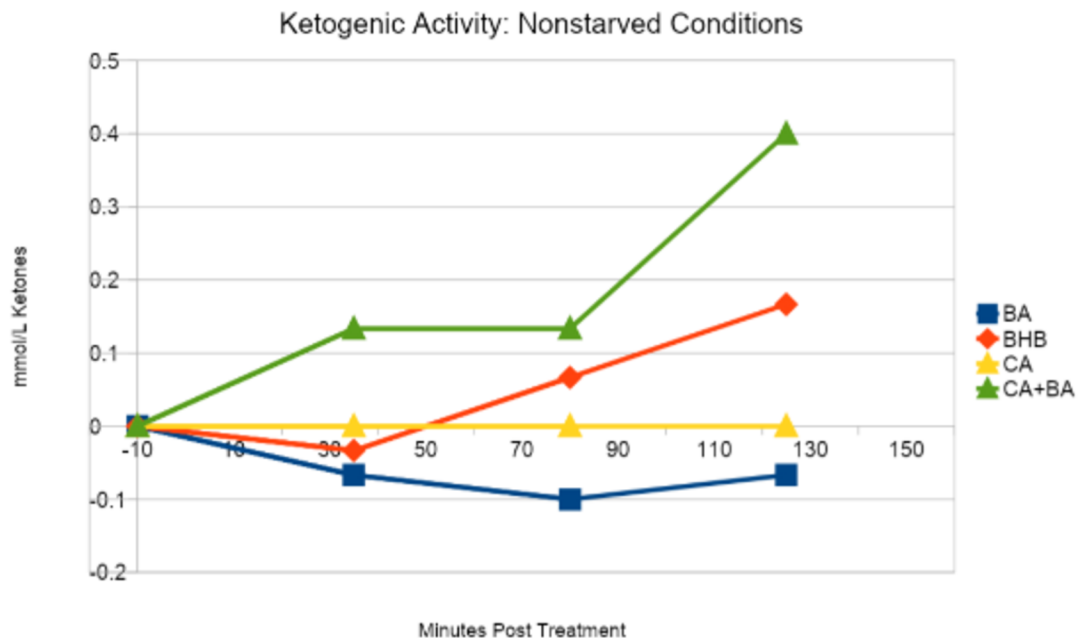


## SUGGESTED USE

**CAPSULES:** Take 1-2 capsules daily. For best results, incorporate into a balanced, whole-food diet and active lifestyle.

Capryl-butyrate™ is more than just a fat burner or energy booster. It's a comprehensive metabolic and gut health supplement that helps your body perform at its best by working in harmony with its natural processes. Whether you're looking to lose weight, improve mental clarity, or simply support better overall health, this supplement provides a natural, effective solution for long-term wellness.

# THE SCIENCE BEHIND CAPRYL-BUTYRATE™



Ketogenic activity following treatment with various compounds alone and in combination. Ketone levels in serum were measured at the time of treatment and every 45 minutes following treatment, up to 135 minutes. Concentrations of compound used were 2.4 mM Butyric Acid (BA), 2.4 mM Beta hydroxybutyrate (BHB), and 2.4 mM Caprylic Acid.

Results are shown as the difference between the timepoint ketone measurement and the 0-minute ketone measurement for each sample, indicating that any positive measurement is an increase in ketone levels from the baseline 0-minute timepoint measurement. Each sample was tested with three replicates. A significant increase in ketone levels and fatty acid oxidation (burning) was observed at 90 minutes post treatment in the CA+BA treatment group and at 135 minutes post treatment in the CA+BA \* symbol ( $p < 0.05$ ).

## RELEVANT HIGHLIGHTS

- 1.) The complexing of Caprylic Acid (medium chain fat) with Butyric Acid (Short Chain Fat) for administration exponentially induces ketogenesis (generation of ketones) to produce serum ketone measurements that are even higher than those made with beta hydroxybutyrate (ketone body) administration; it also intensifies fat burning more than each alone.

It is important to note that this Capryl-butyrates™ complex initialises ketogenesis immediately upon introduction but the activity hits an exponential outcome at about 80-90 minutes.

**WHY IS THIS?** Butyrate serves as a signalling ligand telling the liver to initialise beta oxidation – the production of ketone bodies from fat. As the cells assimilate caprylic acid, the C8 medium chain fatty acid that is readily used to generate ketones by the liver, the rate of ketone generation increases and continues to produce fuel for the working tissues including and especially the neurons.

- 2.) Note that Butyrate administration ON ITS OWN does not induce ketogenesis or fatty acid oxidation, while Caprylic acid administration ON ITS OWN does NOT induce ketogenesis or fat burning either.
- 3.) An important feature to notice is that induction of ketogenesis with the Caprylic Acid PLUS Butyric Acid triggers production of the ketone from endogenous fat... being more conducive to fat loss and consumption of body fat.....as opposed to each of them (CA & BA) acting individually and failing to promote endogenous production (ketogenesis) – production of ketones from the body's fat.

## **ABSTRACT**

Compositions and methods for providing a person with an exogenous and therapeutically effective supply of medium chain triglycerides, concentrated specifically as C8 (Caprylic acid and caprylate (salt)), and short chain fatty acids are disclosed. The compositions include one or more medium chain triglycerides (particularly caprylic acid) combined with one or more short chain fatty acids, such as butyric acid, butyrate salts, propionic acid, propionate salts, acetic acid, or acetate salts. The compositions and methods are useful for inducing ketosis, fat-'burning' and weight loss, as well as supporting healthy blood sugar levels, better appetite control and lean muscle tone in a person.

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