

# Glaxon Thermal: Heat Up Your Fat Loss Stack

written by Mike Roberto | February 3, 2021



**Glaxon** has been on a roll ever since their 2019 launch. Not only did the “Glaxon Goons” shake up the industry by carving their own path with unique formulas, eye-catching labels, and intelligent humor, they’ve really impressed everyone with the effectiveness of each product. This caught the supplement industry by surprise in a very positive way.

The MitoBurn-powered stimulant-free fat burning powder, enhanced in 2021, demonstrates their formulation savvy:

## **Glaxon Thermal: A Non-Stim Thermogenic Weight Loss Aid**

We’ve already covered a few notable Glaxon releases and formula updates such as Specimen V2, their potent pre workout supplement. But now its stackable stim-free thermogenic powder, **Glaxon Thermal**, has been updated too.



Glaxo Thermal is a stimulant-free thermogenic weight loss aid that comes in powder form. This tub represents the 2021 update.

Thermal is a non stimulatory weight loss supplement intended to optimize your ability to burn fat. It features five powerful fat burning ingredients that synergistically work to create the perfect storm – with patent-pending **MitoBurn** from *NNB Nutrition* as the main event!

### **BAIBA: The Missing Link?**

Thermal was one of the industry's first supplements to have the patent-pending MitoBurn included in the formula, demonstrating Glaxo's foresight. MitoBurn is the only pure form of *L-BAIBA* (*L-β-aminoisobutyric acid*) on the market. In short, the ingredient is a *non-protein amino acid* that actually functions as a *signal*, telling cells in the body to ramp up their "exercise" programs. As you'll see, Glaxo argues that BAIBA is a major missing link in many fat loss supplements. Now that it's starting to enter the market, we fully expect this will be the next big ingredient in fat loss supplements.

Even though BAIBA is a large piece of the puzzle, that's not all that makes Thermal shine!

We dive deep into the science behind the formula, show you the mechanisms of each ingredient, reveal the benefits, and explain how you can get the most out of Thermal – Glaxo University is now in session!

But one more thing: make sure to sign up for PricePlow's Glaxo news and deal alerts, because the "Goon" over there are always up to something interesting!

# Glaxon Thermal – Deals and Price Drop Alerts

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*Note: In the listings above, the V2 version can be found by looking for the Gamma-Butyrobetaine ingredient on the label. When in doubt, use Glaxon's site directly (with our coupon).*

## Glaxon Thermal: Six Ingredients, Optimized Fat Loss



Glaxon thermal is simple yet effective! As mentioned above, it does not include any stimulants, so you can easily stack it with a stimulant based fat burner such as **Slyce** for maximum results. It contains six ingredients that all work together to produce some profound benefits. The main star of the show is BAIBA, and before we jump into the science, here's a little back story on Thermal and

why it means so much to Glaxo.

## The Mad Scientist Gets Saved By NNB Nutrition!

Before Thermal was released, Glaxo launched *Slyce*, a *stimulant based fat burner*. You might be wondering, “If they already have a well formulated weight loss supplement, why create another one?”

Although you will see fantastic results with *Slyce* on its own, *Joey Savage*, the mad scientist (formulator) at Glaxo, purposefully left a “gap” in the formula. This gap was designed to be filled by *Thermal*, but at the time, *Joey* didn’t have the exact ingredients he wanted to create such a product.

## NNB Nutrition’s MitoBurn Helps Thermal Come To Life!



The graphic features the NNB logo (three red dots) and the text 'NNB MITO BURN L-BAIBA ("The Exercise Molecule") Igniting the Metabolic Fire Within™'. A chemical structure of L-BAIBA is shown in the background.

NNB Nutrition has finally brought us a trusted and tested form of L-BAIBA, which we call an “exercise signal” that kickstarts incredible metabolic processes!

Before Glaxo even came to life, *Joey* always wanted to create a product that contained BAIBA, since he knew how powerful it was. But instead of just using any old BAIBA on the market, he wanted the pure *L* isomer form, as it’s the main bioactive component. Until *Shawn Wells* of NNB Nutrition introduced *Joey* to MitoBurn, he was in a bit of a standstill.

Thus NNB came to the rescue, and *Joey* got the green light to create one of the most potent non stim fat burners on the market, and we can all experience the numerous benefits BAIBA has to offer! This development was a major success for Glaxo, and *Joey* is extremely proud of *Thermal*.

*If you want to check out how *Joey* explains the formula himself, watch the video down below:*

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With that backstory, let’s now jump into the science behind each ingredient so you’re equipped with the knowledge to fully understand what exactly *Thermal* is doing within the body!

## Glaxon Thermal Ingredients

Capsules used to dominate the fat burner market, but now powders are starting to take over. They allow for greater serving sizes of each ingredient and give you more options to customize the dosage. Thus, Thermal is a powder, to be easily be stacked with other supplements for added convenience.

<b>SUPPLEMENT FACTS</b>	
Serving Size 1 Scoop (6 g) Servings Per Container 21	
Amount Per Scoop	%Daily Value
Niacin (as Nicotinic Acid)	50 mg 313%
Choline (as Choline L+Bitartrate)	277 mg 50%
L-Carnitine Fumarate	1100 mg †
VitaCholine™ (as Choline L+Bitartrate)	675 mg †
L-BAIBA (β-Aminoisobutyric Acid) [as MitoBurn™]	500 mg †
InnoSlim® (Astragalus Membranaceus [Root] and Panax Notoginseng [Root]) Extract	250 mg †
Gamma-Butyrobetaine (as gbbgo™)	30 mg †

†Daily Value (DV) not established

Updated in 2021, Thermal's Ingredients now sport GBB and a switch to L-Carnitine Fumarate on top of MitoBurn L-BAIBA.

As stated, these ingredients all work together to produce the maximum amount of results! We'll first discuss what each ingredient does on it's own, but then explain how one works alongside the other.

Here's you'll get from *one scoop (5g)* of Thermal:

- **L-Carnitine Fumarate – 1100mg**

The goal of any weight loss supplement is to increase the body's ability to burn fat. And at the most basic physiological level, *carnitine* is an absolute necessity, because it acts as a transporter to shuttle free fatty acids into the mitochondria.[1]

**PricePlow RESEARCH**

Cell

Mitochondria

Mitochondrial matrix

Cytosol

Long-chain Acyl CoA

Acyl-CoA synthetase

CoA + Long-chain fatty acid

CPT1

L-Carnitine

CT

CPT2

Acyl-L-Carnitine

outer membrane

inner membrane

Acetyl-CoA

β-oxidation

CoA

Acetyl-CoA

Krebs cycle

Respiratory chain

ATP energy

*Have we been underplaying L-Carnitine?*

**New Review says YES.**

After reading a new review based upon 100 citations, we are finding fewer and fewer reasons *not* to take ~2g L-Carnitine each day

As a result, fat gets burned, you get more energy in the form of *ATP*, and carbon dioxide is expelled. Inversely, low levels of carnitine equates to low levels of fatty acid oxidation – the last thing you want when trying to shed a few pounds.

Although there are various forms that can be used for supplementation, Glaxo originally decided to use L-Carnitine Tartrate,[2] but switched to **L-Carnitine Fumarate** for its high-stability and lowest amount of clumping (this is explained by Joey in the quote lower in this post).

Carnitine’s benefits go beyond just increasing fatty acid oxidation – it’s been shown to have positive effects on blood glucose, enhance insulin sensitivity, and reduce muscle damage from resistance training.[3,4] Carnitine supplementation is *incredibly* important and effective for those who are carnitine deficient – and that is generally in those who are older or don’t eat much red meat. Given dietary trends the past decade, we believe that too many dieters are at least somewhat carnitine deficient, and should consider fixing their diet and supplementing more.

Although carnitine is powerful on its own, when you combine it with the next ingredient we’re going to discuss, then things get amplified – and we’ll return to carnitine when we get to GBB.

- **VitaCholine (Choline L+Bitartrate) – 675mg**

One of the main reasons people supplement with any form of choline in the sports supplement industry is to increase *acetylcholine* levels in the body and brain.[5] Acetylcholine is an essential neurotransmitter that’s involved in

multiple functions throughout the body, but it's most notably used for coordinating muscle contractions. Therefore, you'll see choline included in various pre workout supplements to increase mind-muscle connection.

It also prevents fat from being deposited into the liver, and acts as a structural component to cell membranes, while helping translate cell signaling.[5] As you can see, choline is absolutely essential and insufficient intakes can lead to serious health issues.

- **The Power of VitaCholine**

Before we dive into what choline and carnitine can do *together* for fat loss, let's first see why Glaxo decided to use **VitaCholine** (*Choline L-Bitartrate*). In general, choline bitartrate is a choline molecule bound to tartaric acid to help increase absorption, but that's not all you need to be aware of.



There are two types of choline bitartrate available, *DL-Choline Bitartrate* and *L-Choline Bitartrate*. Note the 'L' listed before the bitartrate, which represents the left-handed or *levorotatory enantiomer*, which is the bioactive form. The *DL* means it's a mixture of both the right-handed, or *dextrorotatory*, and the left-handed isomer. Therefore, you're only receiving half of the active constituent, so you would need a much higher dose to see the same effects.

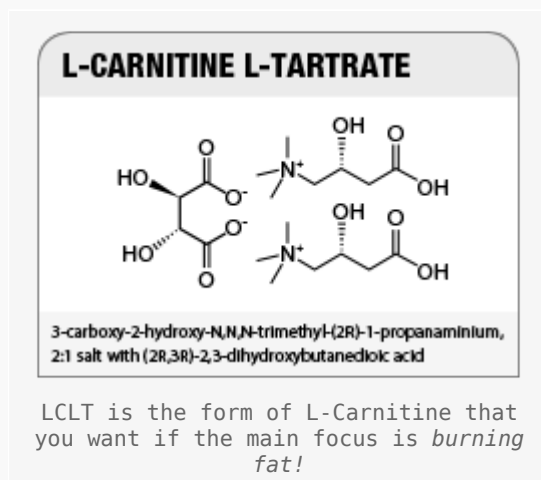
VitaCholine, developed by *Balchem*, only contains pure L-Choline Bitartrate, which is exactly what you want for the best results!

Now, let's see what carnitine and choline can do when combined *together* for greater fat loss!

- **Choline and Carnitine: The Dynamic Duo For Fat Loss**

Research shows that the *combination* of choline and carnitine supplementation can synergistically work together to *preserve*

*intramuscular carnitine levels*. [6] Greater levels of carnitine allow you to burn more fat, because it's required to shuttle the fatty acids into the mitochondria to become oxidized.



This becomes very significant with exercise, because as you undergo intense training, both acetylcholine and intramuscular carnitine levels get depleted. Such a situation would leave you in a suboptimal state to burn fat and perform. So it's a good idea to supplement with choline and carnitine not only for fat loss, but also for maximum performance.

Research also shows, choline and carnitine supplementation leads to greater production of *beta hydroxybutyrate (BHB)* and *acetate*. [6] BHB is one of the most common ketone bodies formed from the breakdown of fats and can be used as a measure of free fatty acid synthesis. Acetate is a compound that's formed from the breakdown of fatty acids, which we end up getting rid of through exhalation.

In summary, there are multiple ways our body gets rid of fat, either through heat expenditure, expiration, and through digestion (urination and bowel movements). L-carnitine and choline can help enhance each of these processes, thus leading to greater fat burning.

- **BAIBA (L-β-aminoisobutyric acid (as MitoBurn)) – 500mg**



Now it's time for the ingredient we've all been waiting for, **MitoBurn** from **NNB**



*Nutrition.*

As we previously discussed, without BAIBA, Thermal probably wouldn't be here today. Joey was not going to use a far less superior form just to make a few dollars. He waited until the time was right, and as you'll discover, it really paid off!

BAIBA is a powerful ingredient that's about to make waves in the industry, so let's see just what all the hype is about!

- **What Is L-BAIBA?**



**L-BAIBA** stands for *L-β-aminoisobutyric acid*, which is a byproduct from the metabolism of the branched chain amino acid *valine*.<sup>[7]</sup> L-BAIBA is also considered to be a *myokine*, since it's released from contracting skeletal muscle and carries out various actions such as autocrine, paracrine, and/or endocrine effects through cell signaling.<sup>[8]</sup> This effectively means that it's not just an amino acid, it's a *signal* sent across the body – a signal that's pronounced when you *exercise*.

Just like we discussed with VitaCholine, there are two forms of BAIBA that exist: *L-BAIBA*, which is released from skeletal muscle, and *D/R-BAIBA*, which comes from the metabolism of thymine.<sup>[7,9]</sup> L-BAIBA is the primary one you want to supplement with, since preliminary research shows that it

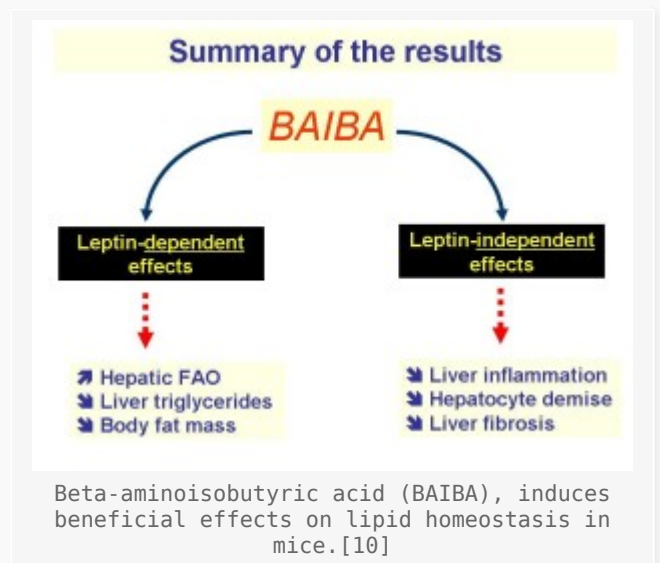
produces the greatest health benefits.[7]

When formulating Thermal, Joey only wanted to only L-BAIBA, not a mixture of the two isomers. That's where MitoBurn from NNB Nutrition came into the picture, since it was the first ingredient to contain pure L-BAIBA to hit the market. Joey's patience paid off!

### • The Benefits of L-BAIBA: More Than A Novel Fat Burning Ingredient

As mentioned above, BAIBA is classified as a myokine, which have been shown to have profound effects on various systems, including skeletal, digestive, liver, pancreas, and brain health.[8] It also expresses anticancer effects, enhances thermogenesis, and is involved in the browning of white adipose tissue.[8] BAIBA may be one of the most powerful myokines that exist!

If you want a better understanding of all that BAIBA is capable of, check out *BAIBA: New Weight Loss Ingredient Generates Exercise in a Pill?!* and *MitoBurn:  $\beta$ -Aminoisobutyric Acid (L-BAIBA) from NNB Nutrition.*



In short, here's just a glimpse at the benefits of this tiny myokine:

- Increases fat oxidation[7,9,11]
- Greater ketone body production (BHB)[12]
- Converts white adipose tissue into being more metabolically active[13,14]
- Improves blood glucose tolerance and insulin resistance[7,11]
- Reduces inflammation[11]
- Positively effects lipid profiles[7]
- Promotes bone health[15]
- Protects against renal fibrosis[16]

- **BAIBA: Mechanism of Action**

Without going too deep here (the articles linked above remain up to date), here are some of the key ways BAIBA expresses its effects:



Thermal helps you burn fat without having to get hyped up on stimulants.

BAIBA achieves its positive health benefits by activating several major metabolic regulating pathways within the body, including *PPAR alpha* and *PGC-1 alpha*. [17,18] *PGC-1 alpha* has multiple essential functions that help create the perfect environment for weight loss. For example, it can increase the amount of mitochondria, the cell “powerhouses” where fatty acids are oxidized. [19]

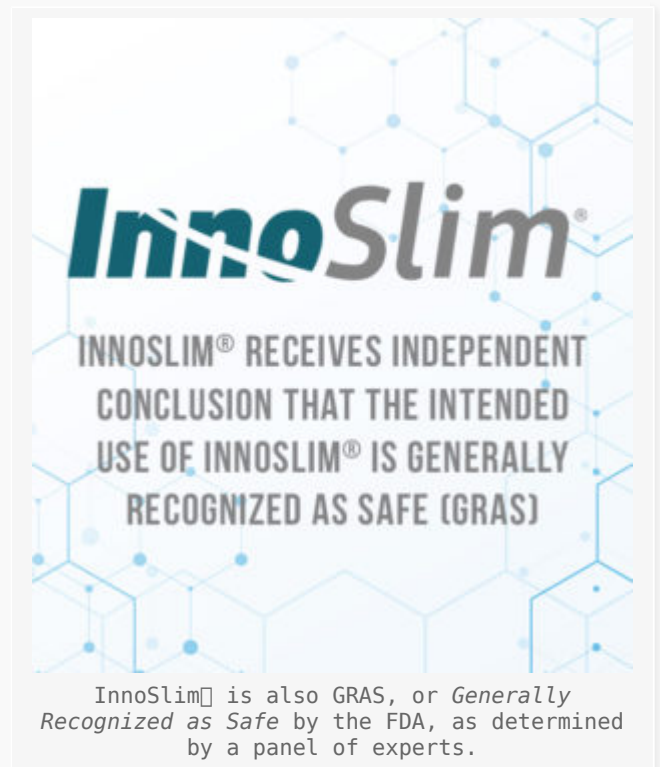
Along with carnitine and choline, BAIBA helps create the perfect storm for fat loss. Choline and carnitine work together to fill up intramuscular carnitine levels, and BAIBA stimulates CPT-1 and *PGC-1* to increase the *amount* of mitochondria. Thus, it places your body in a more optimized state to burn fat.

BAIBA also works by increasing the expression of various genes, such as *carnitine palmitoyltransferase 1 (CPT1)*, *acyl-CoA oxidase (ACOX1)* and *fatty acid binding protein 3 (FABP3)*. [11] The activation of these genes leads to several downstream events that help carry out all of BAIBA’s benefits.

As you can see, BAIBA’s health promoting effects go far beyond just helping you shed a few pounds. Later on we’re also going to touch on how

Thermal, specifically BAIBA, fills the gap that was purposefully left by Slyce, which creates an epic stack for fat loss.

- **InnoSlim (Panax notoginseng Root & astragalus membranaceus (Root)) – 250mg**



This next ingredient is quite the fat burning machine on its own, and Joey knew he had to include it after one of his sales reps lost nearly 70lbs in nine months with using it. Although that's very significant, **InnoSlim** also has a large amount of research supporting its use for fat loss.

InnoSlim is a patented blend of *Panax notoginseng root* and *astragalus membranaceus root* extracts, developed by *NuLiv Science*, one of the most well known supplement formulators in the industry. It was designed to be used in a variety of weight loss products to support fat burning and decrease metabolic syndrome.

- **InnoSlim Research**

InnoSlim produces the majority of its effects within the small intestine and works in a variety of ways. Research shows InnoSlim can *inhibit glucose* uptake by 41% within the small intestine by decreasing the expression of *SGLT1*.<sup>[20]</sup> This is a transporter that helps glucose enter the tissue to be stored as glycogen or fat.

Furthermore, InnoSlim is able to enhance glucose uptake into the muscle

cells through increasing *GLUT4* activity.[21] Which is exactly where you want the glucose to go, so you can better fuel the muscle for activity, and keep blood sugar levels more stable.

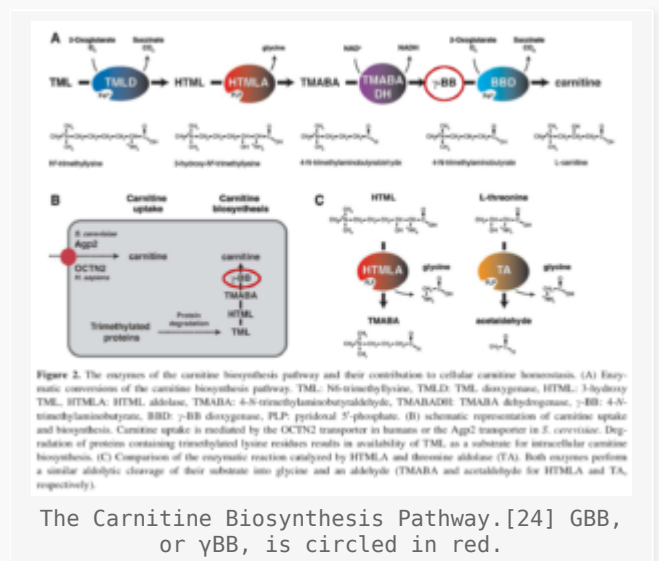


In regards to increasing fatty acid oxidation, InnoSlim leads to the upregulation of several key components involved in the metabolism of fat, such as *AMPK*, *ACC-P*, *HIF-1*, and *adiponectin*.[22] AMPK activation leads to the inhibition of fatty acid synthesis and promotes oxidation. Adiponectin is considered to be a specific protein that inhibits hepatic glucose production and boots lipolysis.[23] Thus, having sufficient levels of adiponectin can help burn fat, while also enhancing insulin sensitivity.[23]

InnoSlim is an award winning ingredient that has several studies to support its use, this is a phenomenal addition to Thermal. To read more, we also have a detailed guide titled *InnoSlim: NuLivScience's Potent Stimulant-Free Fat Burning Ingredient*.

- **Gamma-Butyrobetaine (as *gbbgo*) – 30mg**

Prepare to *sweat!*



This “pro-carnitine” ingredient was added in early 2021, bringing a new dimension to Thermal. Shortened as “*GBB*”, gamma butyrobetaine is an ingredient that the body *converts* to L-carnitine, pushing the body into a “pro-L-carnitine” direction:[24]

A couple of research studies showed that GBB could have great potential in restoring carnitine stores. The most impressive claim is a study where **plasma carnitine levels nearly doubled after supplementation**, and an increase of 300% carnitine excretion,[25,26] showing an increase in utilization and turnover.

### The sweat effect

While it’s great to see improved carnitine levels (especially along the carnitine provided in Thermal), the most interesting effect is GBB’s ability to produce sweat. This has been known in research studies where enormously large doses were given,[25] but at the 25-50mg range we see in supplements, it’s generally a more reasonable sweat-inducing effect. Athletes who enjoy working up a sweat love GBB for this reason.

**Effect of dietary carnitine precursors on serum total carnitine concentrations<sup>a</sup>**

Day	Diet supplement, d 11–20		
	Lysine + Methionine n = 6	<i>ε</i> -N-Trimethyllysine n = 5	<i>γ</i> -Butyrobetaine: n = 5
		<i>nmol/ml</i>	
2	44.1 (6.8)	39.3 (10.4)	50.2 (6.9)
4	45.5 (8.3)*	42.6 (7.8)	45.4 (3.0)
6	43.3 (8.9)	39.2 (9.1)	48.6 (11.6)
8	40.2 (8.3)	38.6 (3.4)	50.2 (10.1)
10	40.3 (7.7)	42.0 (7.3)	50.1 (10.5)
12	38.1 (9.2)	46.0 (6.6)	80.8 (15.8)*
14	41.4 (8.2)	47.3 (6.5)	89.4 (16.6)*
16	42.7 (7.7)	53.4 (7.3)*	87.0 (20.2)*
18	44.9 (7.7)*	52.3 (6.5)*	87.9 (13.7)*
20	41.8 (7.5)	56.0 (7.8)*	88.7 (14.3)*

<sup>a</sup>Values are mean (SD) for total carnitine concentrations. \*P < 0.05, compared to value on d 10 in the same column.

An early study on carnitine’s precursors showed that GBB (to the right) is the best of the bunch at increasing plasma carnitine levels.[25]

To learn more, read our article titled *GBB (Gamma-Butyrobetaine Ethyl Ester): Super Carnitine That Makes You Sweat?!*.

- **Niacin – 50mg**

The last ingredient included in Thermal is **Niacin**, also known as *Vitamin B3*. It’s a water soluble vitamin that’s a part of multiple important functions within the body. Once niacin is absorbed, it gets converted to *nicotinamide adenine dinucleotide (NAD)*, a metabolically active coenzyme.[27]





By having their home base in Houston, TX, they get a lot of inspiration from NASA.

NAD is crucial to carry out several reactions throughout the body. Primarily, it's used in catabolic reactions that help create ATP from various energy substrates (carbs, fats, proteins).[27]

We often see B vitamins in pre workouts, multivitamins, or other supplements, but not fat burners. However, the main reason Glaxon included niacin in *Thermal* is because of its ability to bind to a receptor known as *GPR109A*. [28] Research shows that the activation of *GPR109A* leads to decreased de novo hepatic lipogenesis, increased thermogenesis in white and brown adipose tissue, and positively affects energy homeostasis. [28]

This is a great way to round out the formula! You can tell Glaxon really spent a lot of time ensuring *Thermal* was unique from every other non-stim fat burner on the market. They pride themselves on creating supplements made with science, and they absolutely crush it every time!

## Available Flavors

Glaxon always creates flavors that are as unique as their formulas, so don't expect the same old boring flavors you're used to seeing!

Here's an updated list of all *Thermal*'s available flavors, but note that the best prices shown *may* lead to the original formula:

You'll notice Glaxon is doing everything a bit differently, from the packaging, to the formulas and flavors, they really stand out!

## Joey Savage Discusses the V2 Formula Upgrades

In February 2021, we asked Joey Savage, Glaxon's formulator, about the formula changes:

*"We at Glaxon felt that Thermal had only one logical missing piece: GBB. For our non-stim weight management product that already performed to our expectations, the decision to now include the sweat-inducing L-Carnitine precursor, GBB – was an obvious no-brainer and we're happy to make Thermal even MORE effective than before while being able to bring down the retail price to make it more accessible. I'm not sure how many other companies can make a substantial improvement like this, while being able to find ways to bring down the price."*

*– Joey Savage, Glaxon Formulator*

## Slyce and Thermal Go Together Like Peanut Butter and Jelly



Build the optimal fat burning stack with  
Glaxon Slyce and Thermal!

Glaxon purposefully designed their Slyce fat burner to stack perfectly with Thermal. Although they are both great on their own, you'll see the best results using both simultaneously.



So how do they compliment each other so well? It goes back to **BAIBA's role in the browning of white adipocytes**. The main goal here is to turn more white adipose cells into brown, because that will result in less fat storage and greater oxidation.

Slyce has two ingredients, *Fucoxanthin* and *Afromomum melegueta*, which work on both ends of the spectrum involved in the browning of white adipose tissue. While Fucoxanthin works on the *uncoupling* of white adipocytes, *Afromomum melegueta* acts on brown adipocytes. Then BAIBA fits right in between to help with this transition.

So if you're serious about seeing the most optimal results possible then stack Thermal and Slyce, along with a solid nutrition and exercise routine to lose fat for good!

## **Thermal is the Fat Loss Product We've Been Waiting For!**



Thermal is here to heat things up.

Thermal has six active ingredients, and when put together, they pack one powerful fat burning punch. The discovery of MitoBurn from NNB Nutrition was a big win, and with Glaxon bringing it into the mainstream, it's going to catch fire in no time.

Every year, hundreds of supplements designed to help you lose weight enter the market. However, it seems to always be the same old stimulant-driven stuff, and the industry at large misses the mark when it comes to getting you the results you're looking for. We know Thermal is about to shake up the fat burning

supplement scene, because this formula is anything but average. It's innovative, utilizes some of the most effective ingredients currently available, and will provide benefits that go beyond weight loss.

Just like Thermal, Glaxon is on fire and they have so much more planned for the future. Soon enough, they will be a leader to consumers – industry insiders and competitors are already feeling the heat from this young brand. The innovation side of the industry has been a little stale for a few years, but Glaxon is here to spark some interest with whacky “Goon Toons” and epic products. Stay tuned for more to come from the Glaxon squad! PricePLOW has you covered with everything they're up to!

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