



Therapeutic Solutions

LipidPRO

For Professional Use Only



Clinical Applications

- Promotes Healthy Cholesterol Levels
- Multidimensional Support for Cardiovascular Health
- Preserves Arterial Health and Elasticity
- Supports Healthy CoQ-10 Levels

Cardiovascular Health

This product contains a powerful and unique array of cholesterol-balancing and cardio-protective polyphenolic flavonoids. Emerging clinical research has demonstrated that BPF help maintain healthy total cholesterol (TC), high density lipoprotein (HDL), low density lipoprotein (LDL), very low density lipoprotein (VLDL) and triglyceride (TRI) levels. Research has also demonstrated that BPF provides antioxidant and inflammatory-balancing properties to help preserve coronary arteries.

Overview

Optimizing cardiovascular health is a leading concern for many adults, and maintaining balanced cholesterol levels are an important part of that process. Though cholesterol can be consumed through food, circulating cholesterol levels are primarily produced and controlled by the liver using the rate control enzyme, HMG-CoA reductase (HMGCR). Because of its pronounced role in cholesterol synthesis, inhibiting HMGCR has become a primary target of many traditional therapies.

Numerous clinical trials have shown the specific BPF found in this product works at the level of the liver to help maintain and support healthy cholesterol levels and preserve coronary arteries by maintaining inflammatory balance.

What are Bergamot Polyphenolic Fractions?

Bergamot (*Citrus bergamia*) is a citrus plant that grows almost exclusively in the narrow coastal Calabria region in southern Italy. The local population quickly discovered bergamot juice could be used to help support healthy cholesterol levels and optimize cardiovascular wellness.

Bergamot's health benefits derive from its unique profile of phenolic compounds such as, neoeriocitrin, neohesperidin, naringin, rutin, neodesmin, rhoifolin and poncirin. Naringin has been shown to be beneficial in maintaining inflammatory balance, while neoeriocitrin and rutin have been found to exhibit a strong capacity to quench free radicals and maintain healthy LDL cholesterol levels. Also, bergamot is rich in bruteridine and melitidine, which have a unique ability to dampen HMG-CoA reductase.

Using a patented extraction technology through collaborative works of various universities and research institutions, this product contains Bergamonte®, the highest concentration available of these potent phenolic compounds.

Cholesterol-Balancing Properties†

In a placebo-controlled, clinical trial consisting of 77 patients divided into four treatment groups, 1,000 mg of BPF helped maintain healthy levels of all blood lipid markers (HDL, LDL, TC, TRI).¹ Also, this same clinical trial showed that BPF activated the inflammatory-balancing enzyme AKT and reduced malondialdehyde production in neutrophils.¹ Another clinical trial conducted on 80 patients over six months showed 150 mg of BPF maintained normal levels of small density LDL and supported normal carotid IMT thickness.² In a placebo-controlled study involving 238 patients, 1,000 mg of BPF maintained healthy cholesterol levels and outperformed the group receiving the traditional therapy.³ Following a 60-day wash out phase in patients who had been on traditional therapies, 1,500 mg of BPF maintained normal LDL levels and optimized several other parameters of cardiovascular

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health.³ Several other recently published placebo-controlled clinical trials have also documented that BPF can help support normal inflammatory balance, antioxidant potential, healthy cholesterol levels, and CoQ-10 levels in humans.⁴⁻¹²

Directions

2 capsules per day or as recommended by your health care professional.

Does Not Contain

Gluten, corn, yeast, artificial colors and flavors.

Cautions

If you are pregnant or nursing, consult your health care professional before taking this product.

Supplement Facts ^{v1}		
Serving Size 2 Capsules		
Servings Per Container 30		
2 capsules contain	Amount Per Serving	% Daily Value
Bergamot Orange Extract (<i>Citrus bergamia</i>)(Fruit) (Bergamonte®) (30% Bergamot Polyphenolic Fraction® comprised of Neoeriocitrin, Naringin, Neohesperidin, Melitidine, and Bruteridine)	1 g	*
* Daily Value not established		

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Optimum ALA



Therapeutic Solutions

Clinical Applications

- Provides Fat-Soluble and Water-Soluble Antioxidant Activity*
- Coenzyme for Whole-Body Glucose Utilization*
- Supports Healthy Intracellular Glutathione Levels*
- Supports Regeneration of Vitamins C and E*
- Helps Maintain a Balance Between Oxidized and Reduced CoQ10*

*Optimum ALA provides whole-body, multifunctional antioxidant activity that helps to maintain healthy, well-functioning cells. Optimum ALA is designed to neutralize free radicals in both the water-based and lipid-based portion of cells, help the body synthesize glutathione, and recharge important antioxidants. Unlike regular alpha-lipoic acid, Optimum ALA's patented, controlled-release formulation provides extended protection. In addition, biotin supports the function of alpha-lipoic acid in glucose metabolism.**

All Optimum Therapeutic Solutions Formulas Meet or Exceed cGMP Quality Standards

Discussion

Alpha-lipoic acid (ALA) is an eight-carbon disulfide water- and fat-soluble compound that is synthesized in small quantities in the liver and other tissues. Oral supplementation readily crosses the blood brain barrier after it is absorbed in the small intestine, goes into the portal vein, and is distributed via systemic circulation. Once in the tissues, ALA can be found inside and outside the cells including inside the mitochondria where it functions naturally as a coenzyme for the oxidation of pyruvate, alpha ketoglutarate, and branched-chain amino acids.*

Researchers recently identified lipoic acid's mechanisms of action related to maintaining metabolic health. It has a direct binding site at the insulin receptor tyrosine kinase domain. ALA appears to modulate 5'-AMP-activated protein kinase and PPAR-regulated genes, to activate PPAR-alpha and PPAR-gamma, and to support expression of PPAR-gamma mRNA and protein in heart tissue and smooth muscle of the aorta.*^[2]

Controlled-release technology supports efficacy of alpha-lipoic acid in helping to maintain blood sugar already in the normal range. Data from a 12-week clinical study indicate that supplementation with Optimum ALA (1200 mg per day, divided doses) may support healthy C-peptide levels. C-peptide is used as an indication of insulin sensitivity.*^[3,4]

Alpha-lipoic acid effectively neutralizes a variety of free radicals, including oxygen radicals and ionized metals. This action is particularly beneficial for people who have higher levels of oxidative stress. Alpha-lipoic acid regenerates vitamins C and E, increases tissue levels of glutathione, and helps maintain the proper ratio of reduced to oxidized coenzyme Q10 in the mitochondria. In addition, alpha-lipoic acid may help the body rid itself of heavy metals.*

Healthy endothelial-mediated vasodilation is accepted as a surrogate marker for cardiovascular health and can be affected by synthesis, bioavailability, or action of nitric oxide (NO). Increased oxidative stress appears to play a significant role in neutralizing or inactivating NO. ALA's antioxidant properties, along with its demonstrated safety and potency, qualify it as a prime candidate to evaluate for its ability to support healthy endothelial function.*^[5]

The ability of alpha-lipoic acid to improve energy metabolism and decrease oxidative stress alludes to its ability to support healthy mitochondrial function with age.*

Biotin has been added because chronic administration of lipoic acid lowers the activities of pyruvate carboxylase and beta-methylcrotonyl-CoA carboxylase in vivo by competing with biotin.*^[6]

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Optimum Therapeutic Solutions
6420 N. MacArthur Blvd, Suite 100
Irving, TX 75039

Optimum ALA

Supplement Facts

Serving Size: 1 Tablet
Servings Per Container: 120

	Amount Per Serving	%Daily Value
Biotin	450 mcg	150%
Alpha-Lipoic Acid (as thioctic acid)	600 mg	**

** Daily Value not established.

Other Ingredients: Cellulose and cellulose derivatives, dicalcium phosphate, stearic acid, magnesium stearate, silica, and glycerin.

PROTECTED BY U.S. PATENTS: 6,191,162(B1); 6,197,340(B1); 6,572,888(B2); 7,118,762(B2)

Directions

Take 1 tablet 30 minutes before breakfast and 1 tablet 30 minutes before dinner, or as directed by your healthcare practitioner.

Does Not Contain

Wheat, gluten, yeast, soy, animal or dairy products, fish, shellfish, nuts, tree nuts, artificial colors, sweeteners, or preservatives.

References

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Cautions

Consult your healthcare practitioner before use, especially if you have or suspect you have a medical condition, including diabetes; if you take prescription drugs or are allergic to any ingredient; or if you are pregnant or lactating. Keep out of reach of children.

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