

LIPOTROPICS



Lipotropic compounds are substances that help stimulate the **breakdown of fat** (lipids) during metabolism and, in this way, **reduce excess fat** in the liver and other tissues. Injections of carefully calibrated doses of natural lipotropic nutrients can improve your ability to **lose fat**. A lipotropic substance decreases the deposit or speeds up the **removal of fat** within the liver. The liver is a complex organ so keeping a healthy liver ensures a healthy body. The liver plays a major role in human metabolism including digestion, storage and distribution of nutrients and detoxification of alcohol and other drugs and waste products. One way of doing this is to make sure that bile and fats do not become trapped in the liver which can cause several different kinds of serious liver conditions. One thing that can keep the liver healthy is lipotropic compound injections. Perhaps you've never heard of injections for weight loss. Lipotropic compound injections offer many benefits towards weight loss. How? Here's some ways these shots can help your patients: It reduces the storage of fat in your patients. It increases your patient's metabolism. It gives your patient an increased energy. Lipotropic compound injections enhance liver and gallbladder's role by **decreasing fat deposits** and **speeding up metabolism** of fat and

its removal. Lipotropic compound injections effectively reduce appetite and increase the patient body's natural fat-burning processes. Using lipotropic compound injections, along with proper diet and exercise, it can help the patient reach their ideal weight goal faster.

These are available in 30 ml Vials

Seeing is believing! Contact us to get started today!

Methionine: is an essential sulfur-containing amino acid that is a major lipotropic compound in humans. The body requires methionine the diet and when the levels of estrogen are high. Estrogens reduce bile flow through the liver and increase bile cholesterol levels. Methionine helps to deactivate estrogen. Methionine levels also affect the number of sulfur-containing compounds, such as glutathione, in the liver. Glutathione and other sulfur-containing peptides (small proteins) play a critical role in defending against toxic compounds and preventing fatigue. When higher levels of toxic compounds are present, more methionine or other sulfur-containing compounds, such as glutathione, is needed. Without lipotropic such as choline and inositol, fats and bile can become trapped in the liver, causing severe problems such as blocking fat metabolism and cirrhosis.

Choline: works in combination with Inositol for essential for fat metabolism. Choline functions as a methyl donor and it is required for processing and excretion of chemical waste products. Choline is an important lipotropic for the healthy support of the endocrine, cardiovascular, and hepatic systems. The rate at which the body produces Choline may not be adequate to meet daily metabolic needs. Especially during weight loss when much body fat must be broken down.

Inositol: exerts lipotropic effects as well. An "unofficial" member of the B-Complex vitamins, inositol helps transport fats in the blood system. It aids in the redistribution of body fat and helps lower cholesterol levels by mobilizing it. In addition, inositol participates in the action of serotonin, a neurotransmitter, shown to relieve depression, appetite and mood panic attacks.

Scroll down to review the types of vitamins typically found in lipotropics.

David Caddell President EC3Health

135 Jenkins Street Suite 105B-#129 St Augustine, Florida 32086

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L-Carnitine: L-Carnitine is an important amino acid (in the L-form) that is essential to our health. L-Carnitine transports fatty acids to the innermost section of the mitochondria (the powerhouse of the cell), where they are used to create the energy resource adenosine triphosphate (ATP). The Mitochondria is the “furnace” of the cell that allows you to burn off fat at the molecular level. In other words, there is a “door” that separates one side of the fat cell (where fat lives) from the other side where the Mitochondria live. This “door” of the fat cell, with L-Carnitine would generally stay open. L-Carnitine is also used to reduce blood triglycerides and cholesterol levels by increasing fat utilization. It also helps in controlling hypoglycemia and thereby it benefits diabetic patients. L-Carnitine deficiency lowers ATP levels in tissues and increases the susceptibility to fatigue. Deficiencies also cause an impairment of the heart tissue.

Leucine: is a branched chain essential amino acid. As an essential amino acid, it is not synthesized in animals; hence it must be ingested or supplemented. Leucine is the only dietary protein that has the capacity to stimulate muscle protein as a catalyst for muscle growth and insurance. Leucine can be a valuable tool in not only muscle building but also in weight loss. It has the unique ability to aid in weight loss while not burning muscle mass. Leucine is a valid ingredient and could play a significant role in either your patient’s diet or bodybuilding regime.

Vitamin B-1: is required by our bodies to properly use carbohydrates by improving athletic performance and preventing the progression of kidney disease in patients with type 2 diabetes. B-1 is also used for boosting the immune system. Healthcare providers give thiamine shots for a memory disorders. Other uses include preventing canker sores, vision problems such as cataracts and glaucoma. B-1 is also for maintenance of a positive mental attitude; enhancing learning abilities; increasing energy; fighting stress; and preventing memory loss, including Alzheimer's disease.

Vitamin B-2: is required for the proper development and function of the skin, lining of the digestive tract, blood cells, and many other parts of the body. Other uses include increasing energy levels; boosting immune system function; maintaining healthy hair, skin, mucous membranes, and nails; slowing aging; boosting athletic performance; promoting healthy reproductive function and improving memory function.

Vitamin B-3: helps release energy from nutrients by enhancing insulin secretion and increasing insulin sensitivity. It is also considered to be helpful with arthritis. Among other benefits, it can reduce cholesterol and prevent and treat arteriosclerosis.

Vitamin B-5: is an essential nutrient needed to sustain life. B5 is required for the metabolism and synthesis of carbohydrates, proteins, and fats for energy. It is also taken for diabetic nerve pain, enhancing immune function, trouble sleeping (insomnia) and irritability, muscular cramps in the legs associated with pregnancy. B-5 is also used orally for osteoarthritis, rheumatoid arthritis, reducing signs of aging, reducing susceptibility to colds and other infections, stimulating adrenal glands, chronic fatigue syndrome.

Vitamin B-6: is added to the Vitamin B-12 and it has effects in the physical and mental health as a co-enzyme that stimulates the metabolism. Patients feel more sustained energy levels when combined with B-12 and the key amino acids that have been mentioned.

Vitamin B-12: is essential in the formation of new healthy cells in the body. It also boosts energy, helping to increase activity levels. B-12 increases energy, improves concentration and memory and patients feel better and with an increased gain to the potential to burn more calories.

Vitamin C (Ascorbic Acid): Is an antioxidant that is required for at least 300 metabolic functions in the body. Vitamin C makes the weight loss process healthier by ridding the body of toxic compounds that are released whenever fat is metabolized. Vitamin C is also used for preventing and treating the common cold. It is also used for thinking problems, physical and mental stress and fatigue. Additional uses include improving physical endurance and slowing aging.

Lidocaine: Some may complain that lipotropic compound injections “burns” at the injection site without something being added to numb the injection area. Lidocaine is mixed in with the injection and produces pain relief by blocking the signals at the nerve endings in the skin to alleviate this effect.

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