

LIPIBOR

Capsules

Reduces Cholesterol

Description

Lipibor is a proprietary blend of natural ingredients, scientifically developed to lower blood cholesterol. It contains high quality standardized extracts of Policosanol, Beta-glucan and Niacin. Each ingredient plays an integral role in cholesterol management and together having complimentary and synergistic effects.

Actions and Pharmacology

Policosanol works by blocking the body's synthesis of cholesterol. It reduces total cholesterol, LDL (bad cholesterol), and increases HDL (good cholesterol). It also appears to inhibit the oxidation of LDL. Oxidized LDL creates a chronic inflammatory response that promotes destruction of blood vessels. Policosanol has a direct effect on the liver cells and cholesterol metabolism. It helps binding LDL to receptors, transporting LDL to the liver and facilitating its break down. It inhibits excessive platelet aggregation. However, its effects on triglyceride are modest.

Niacin has been proven to improve the lipoprotein profile. It is effective at reducing total cholesterol, LDL, and triglyceride levels, while at the same time raising HDL levels. It lowers cholesterol and triglyceride by blocking their excess production by liver. It has synergistic effect with statins in lowering cholesterol. Niacin inhibits lipoprotein lipids, decreases fatty acid transfer to the liver, decreases hepatic triglyceride synthesis and VLDL synthesis, and facilitates the excretion. Niacin stimulates HDL synthesis.

Clinical trial shows that Niacin decreases VLDL and triglyceride by 35% to 40% within days, increases HDL by 10% to 14%, and decreases LDL by 20% to 30% within weeks.

Beta glucan has been found to lower total cholesterol levels as well as to increase levels of HDL-cholesterol. The mechanism of the HDL-elevation activity is unknown. Also, it is not well understood how beta glucan lowers total cholesterol levels. It is thought that the cholesterol-lowering effect of beta glucan may be accounted for, in large part by, its promotion of the excretion of bile acids.

Beta glucan appears to be a non-specific immune enhancer via its ability, among other possible mechanisms, to activate macrophages. It may have some anti-carcinogenic, anti-atherosclerotic and anti-

inflammatory effects. It may enhance wounds healing and promote skin health in some circumstances.

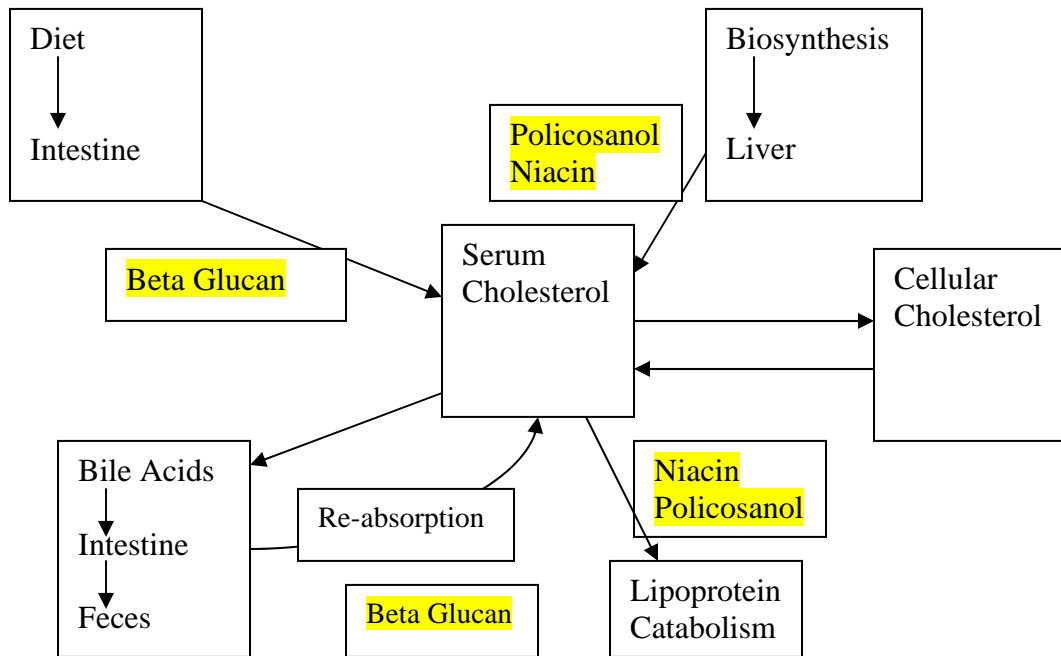
Combination Lipibor

The three ingredients of Lipibor have synergistic and complementary effect in relation to lowering total cholesterol, LDL, VLDL, and triglycerides while at the same time increasing HDL. In addition, Lipibor is a platelet anti-aggregant and immunomodulator.

Complementary effect of triple combination (Lipibor)

	Total Cholesterol	LDL	VLDL	HDL	Triglycerides
Policosanol	+	+		+	
Niacin	+	+	+	+	+
Beta Glucan	+			+	

Mechanism of Action of Lipibor on cholesterol metabolism



Indications and Usage

Lipibor is indicated as a supportive measure to dietary and lifestyle recommendations to reduce elevated cholesterol levels.

Lipibor lowers LDL (bad) cholesterol and increases HDL (good) cholesterol and helps prevent atherosclerosis.

It may reduce platelet aggregation in both healthy and hypercholesterolemic individuals, which may be of beneficial to individuals with intermittent claudication.

Dosages

The recommended starting dose is 1 capsule daily at dinner time or right before going to bed, since cholesterol synthesis is increased at night.

Lipibor produces beneficial effects on cholesterol control within the first 6-8 weeks of use. An effect may take up to 12 weeks to be observed. The dose can be doubled to 1 capsule twice a day, taken at lunch and dinner time.

The American Heart Association (AHA) recommends that total cholesterol level not to exceed 5.17 mmol. Therefore, we recommend in low risk patients to start taking Lipibor if the cholesterol level is above this level. If the cholesterol level is between 5.17 to 6.20 mmol/l then 1 capsule of Lipibor per day is recommended; if the cholesterol level is higher than 6.20 mmol/l then 2 capsules per day should be taken.

How to achieve the best results with Lipibor

To maximize your cholesterol control it is essential to combine the following three elements:

- Diet
- Exercise
- Lipibor

Research Summary

Policosanol

Clinical trial shows that Policosanol is at least as effective as Lovastatin in lowering cholesterol. Policosanol lowers total cholesterol by 17.5%, LDL by 31%, and increases HDL by 31.5%. It significantly reduced fibrinogen level. On the other hand, Lovastatin decreased total cholesterol by 18% and LDL by 22.6%.

Angiology 2003, Jan; 54(1): 25-38.

In addition, this trial showed that Policosanol is a suitable alternative to manage patients with intermittent claudication because of multiple properties beyond its cholesterol lowering effects.

Castamo G et al. Drugs Exp. Clin. Res. 2005: 31 Supp. 31-44

Niacin

Niacin is more effective than Lopid (gemfibrozil). Am.J Cardiol. 2000 Dec 21; 86(12A): 461-501

In a direct comparison study, niacin increased HDL more than gemfibrozil [Lopid], and decreased the total cholesterol-to-HDL ratio, lipoprotein (a) (Lp[a]), and fibrinogen levels significantly more.

Interactions and Synergism

Lipibor has synergistic effect with other cholesterol lowering agents (statins, fibrates).

Lipibor showed a synergism with the anti-thrombotic properties of aspirin in different experimental models.

Safety

Lipibor has no side effects (completely safe). It has no adverse drug interaction, can be used in diabetes, elderly subjects and patients with impaired liver function.

Pregnancy and Breastfeeding

Use of Lipibor supplementation during pregnancy or breastfeeding is not recommended due to a lack of sufficient research of safety and effectiveness.

Differential Advantage

- Easy once a day dosing at bedtime
- As effective as pharmaceuticals
- It is safe
- Low cost

Lipibor[®] is a trade-mark of BOROLA. The product has been manufactured in the USA in compliance with the highest standards of Good Manufacturing Practice (GMP). Lipibor is a food supplement. Store at a temperature below 30° C, do not leave reach of children.

For consultations with a medical specialist, please, refer to
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