

KD-Genom 60 tablets

EAN: 8033267460326 FABRICANTE: GLAUBER



Vitamin K and D Food Supplement.

DESCRIPTION

Ingredients

Ascorbyl palmitate, phylloquinone, menaquinone, cholecalciferol. Anti-caking agents: Microcrystalline cellulose, maltodextrins, soy lecithin, vegetable magnesium stearate, silicon dioxide.

Coating agents: ethylcellulose, sodium carboxymethyl cellulose, hydroxypropyl methyl cellulose, talc, polydextrose, ammonium hydroxide, medium chain triglycerides, oleic acid.

Natural coloring: riboflavin.

Instructions for use

One tablet once a day.

Bibliographic Notes

The generic term vitamin K refers to various fat-soluble compounds grouped under the name naphthoquinones. Particularly interesting from a nutritional point of view are vitamin K1 (or phylloquinone, of plant origin) and vitamin K2 (or menaquinone, of bacterial origin, synthesized by the intestinal bacterial flora).

Vitamin K (Coagulation vitamin) plays a key role in the correct coagulation process, since on the one hand it controls the hepatic synthesis of different coagulation factors (II or prothrombin, VII or proconvertin IX or Christmas factor, X or Stuart factor), on the other hand it acts on plasma proteins C, M, S, Z, also involved in coagulation. In addition to safeguarding the health of the cardiovascular system, vitamin K is

It is also a cofactor for calcium fixation in cells; it is in fact involved in the synthesis of osteocalcin, a protein with endocrine functions produced mainly by osteoblasts; it follows that vitamin K also acts on bone metabolism and promotes bone homeostasis: it acts as a transcription regulator of bone genetic markers and genes related to the extracellular matrix.

According to recent research, low blood levels of vitamin K could be related to osteoarthritis, bone fractures and osteoporosis.

Vitamin D3 or cholecalciferol belongs to the fat-soluble D group vitamins, which are defined as pro-hormones due to their actions.

The steroid structure of this molecule behaves in such a way that its functioning is very similar to that of



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steroid hormones: in its active form, it enters the cell by binding to a nuclear receptor that in turn stimulates the production of various proteins, especially calcium transporters. In fact, vitamin D3 promotes: intestinal absorption of phosphorus and calcium, renal calcium reabsorption and bone mineralization processes, as well as the differentiation of some cell lines and some neuromuscular functions. In its active form, vitamin D3 then develops an important genomic action: calcitriol is one of the major gene regulators and acts within the target cell, binding directly to a high-affinity receptor (Vitamin D Receptor ? VDR), belonging to the superfamily of nuclear receptors for steroid hormones, dedicated to modulating gene expression in cells and present in many tissues. Vitamin D3, in particular its active form, considered a true hormone, is attributed with classical and non-classical genomic actions; the former concern the endocrine system in which it acts as an essential part of the interaction between kidney, bone, parathyroid and intestine, to maintain extracellular calcium levels within normal limits; the latter are related to the recent discovery of VDR in immune system cells and the fact that many of these cells have the enzymatic ability to produce the hormone, indicating the development of important immunoregulatory properties.

