



PROVAZA

NPN	80042363	FORMAT	90 tablets/bottle
INDICATIONS	Vascular protector and veinotonic, which stimulates venous circulation	DOSAGE	1 tablet 2 times daily
CAUTION	Do not use if you are taking health products that affect blood coagulation (e.g. blood thinners, clotting factor replacements, acetylsalicylic acid (Aspirin), ibuprofen, fish oils, Vitamin E) as it may increase the risk of spontaneous bleeding. Consult a health-care practitioner prior to use if you are taking any prescription medication, are pregnant or breastfeeding.		

PROVAZA is a vascular protector and a venotonic agent that stimulates venous bloodstream. PROVAZA can be used for the symptomatic treatment of heavy legs, pains, restlessness and other disorders that may be related to venous or lymphatic circulation and even for hemorrhoidal crisis. Oedema usually occurs first as weight gain followed by heavy and swollen legs. Women are the most affected. The lower limb oedema makes walking difficult. However, simple measures and treatments as well as taking some natural supplements can help solve this problem.

COMPOSITION

Diosmin/Hesperidin 90:10	Ginkgo biloba 24/6 extract	15 mg
<i>Diosmin</i>	Vitamin C (Ascorbic acid 97%)	50 mg
<i>Hesperidin</i>		

DOCUMENTATION

DIOSMIN/HESPERIDIN 90:10

DIOSMIN 450 MG

Diosmin belongs to the flavonoid family [1].

Diosmin increases vessel resistance, reduces their permeability and causes vasoconstriction. Diosmin is a semisynthetic oral phlebotonic drug, used in the treatment of venous diseases, such as chronic venous insufficiency and hemorrhoidal disease (acute or chronic hemorrhoids) [2]. Diosmin, in combination with additional fibers may replace processing by rubber-band ligation. It can also be taken as an adjuvant therapy to reduce hemorrhoidectomy secondary bleeding [3].

HESPERIDIN 50 MG

Hesperidin is a flavonoid, more specifically a flavonoid glycoside.

Hesperidin is an inhibitor of COMT (catechol-o-methyltransferase), which are degradation enzymes of catecholamines. Inhibition of the degradation is followed by an increase of the concentration of catecholamines, which includes epinephrine. Epinephrine causes, among other things, vasoconstriction of vessels, thus promoting venous return. Hesperidin is therefore indicated for the treatment of venous insufficiency.

GINKGO BILOBA 24/6 EXTRACT 15 MG

Ginkgo biloba is a well-known in herbal medicine, mainly for its veno -regulatory virtues [4]. Ginkgo biloba extract exerts vasodilating activity on arterioles and vasoconstriction on the veins. It opposes arterial spasms, decreases capillary permeability and strengthens vascular tone. Ginkgo biloba is good for the arteries! It contains substances (called ginkgolides) capable of increasing their diameter, which facilitates the blood circulation, and reduces the formation of atherosclerotic plaques which can clog the arteries. Ginkgo biloba reduces the risk of thrombosis, and thus the risk of cardiovascular events [5].

Finally, it should be noted that Ginkgo biloba is a powerful antioxidant with neuroprotective properties. It is one of many drugs and dietary supplements to enhance brain functions, combat memory disorders and promote good blood circulation [6].

VITAMIN C (ASCORBIC ACID 97 %) 50 MG

Vitamin C reduces the vascular oxidative stress [7, 8]. In addition, Vitamin C is involved in major body functions: defence against viral and bacterial infections, protection of blood vessel lining, iron absorption, antioxidant action, detoxification of carcinogens and healing.

RÉFÉRENCES

1. Struckmann JR, Nicolaidis AN. Flavonoids. A review of the pharmacology and therapeutic efficacy of Daflon 500 mg in patients with chronic venous insufficiency and related disorders. *Angiology*. 1994;45(6):419-28. PubMed PMID: 8203767.
2. Nicolaidis AN. From symptoms to leg edema: efficacy of Daflon 500 mg. *Angiology*. 2003;54 Suppl 1:S33-44. PubMed PMID: 12934755.
3. Ramelet AA. Clinical benefits of Daflon 500 mg in the most severe stages of chronic venous insufficiency. *Angiology*. 2001;52 Suppl 1:S49-56. PubMed PMID: 11510597.
4. Pan HP. [Progress in studies of pharmacological activities and clinical applications of preparations of dried leaf of Ginkgo biloba]. *Zhongguo Zhong Yao Za Zhi*. 2005;30(2):93-6. PubMed PMID: 15714808.
5. Priollet P, Boisseau MR. [Drugs for veno-lymphatic insufficiency]. *Rev Prat*. 2000;50(11):1195-8. PubMed PMID: 11008499.
6. McKenna DJ, Jones K, Hughes K. Efficacy, safety, and use of ginkgo biloba in clinical and preclinical applications. *Altern Ther Health Med*. 2001;7(5):70-86, 8-90. PubMed PMID: 11565403.
7. Chen X, Touyz RM, Park JB, Schiffrin EL. Antioxidant effects of vitamins C and E are associated with altered activation of vascular NADPH oxidase and superoxide dismutase in stroke-prone SHR. *Hypertension*. 2001;38(3 Pt 2):606-11. PubMed PMID: 11566940.
8. Santilli F, D'Ardes D, Davi G. Oxidative stress in chronic vascular disease: From prediction to prevention. *Vascul Pharmacol*. 2015. doi: 10.1016/j.vph.2015.09.003. PubMed PMID: 26363473.