Stronger, Flexible Vessels
Keep Blood Flowing

When veins become weak, brittle and thin, gravity pulls blood backwards and causes veins to enlarge, bulge and twist. The backflow becomes acidic from accumulation of metabolic waste and causes an intense inflammatory reaction which results in varicose veins, pain, fatigue, itching, burning, swelling, cramping, restlessness and even more serious problems including chronic venous insufficiency (CVI).

Flavay® reactivates collagen production and boosts vitamin C in synthesis of collagen and elastin in vascular walls. As a strong antioxidant, Flavay® protects collagen, elastin and hyaluronic acid from over-crosslinking and destructive inflammatory enzymes. (18,19,23,60,266-268,279)

Research found Flavay® reduced damage to connective tissue in capillaries up to 70%. (18,23,46,260-260,279)

Flavay® binds to collagen fibers and realigns them to a more youthful form

Studies demonstrate Flavay® improves beneficial crosslinking between amino acids of fibers which give collagen its flexibility and strength and at the same time preventing undesirable over-crosslinking that weakens collagen. (18,19,23,60,266-268,279)

Flavay® has been extensively tested in humans and patented for strengthening antioxidant defense systems, reducing inflammation and edema (swelling), and improving overall circulation and vascular health. (47,48,82,205)

A study of persons with serious circulation problems found 96% experienced improvement taking Flavay®. (44)

A double-blind, placebo-controlled study of persons with chronic inflammation caused by chronic venous insufficiency (CVI) found improved venous function with 300mg Flavay® daily for 28 days. 69% of those taking Flavay® reported 50% reduction in clinical parameter scores for pain, paresthesia and inflammation in those taking Flavay®. (48)

- Flavay® improves strength and tone of veins and arteries by strengthening the essential constituents in vascular walls (collagen and elastin). (18,46,260,279)
- Flavay® improves beneficial crosslinking between amino acids of fibers which give collagen its flexibility and strength and at the same time preventing undesirable over-crosslinking that weakens collagen. (18,19,23,60,266-268,279)
- Flavay® significantly improves venous function in swelling, pain, paresthesia (burning, numbness, tingling, prickling) and nocturnal leg cramps. (42,230)
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Flavay® improves blood flow in clinical trials

Licensed and sold for vascular (vessel) health in France for more than 70 years, Flavay® is clinically proven to improve circulation, lessen impaired venous backflow, seal leaky capillaries and prevent outflow of blood and liquid. (44-48,249,250)

A review of 26 clinical studies concluded that in subjects with chronic venous insufficiency (CVI), Flavay® significantly improves venous function in swelling, pain, paresthesia (burning, numbness, tingling, prickling) and nocturnal leg cramps. (42,230)

Statements made herein have not been evaluated by the Food & Drug Administration. This product is not a drug and not intended to diagnose, treat, cure or prevent any disease.
Nitric Oxide is an Essential Signaling Molecule
Nitric oxide (NO) is a signaling molecule used by every tissue and organ of our body, from our muscles to our eyes to our brain to the disease-fighting cells of our immune system. A large and growing body of research reveals how important nitric oxide is to each of our body systems and loss of nitric oxide function is one of the earliest indicators of disease. (203, 204, 446, 459)

Oxidative stress produces an increase in enzymes such as cyclooxygenase (COX) and lipoxygenase (LOX) which are implicated in the release of interleukins and chemokines, and it has been shown that Flavay inhibits these pro-inflammatory enzymes. (292, 296, 306, 315, 372, 414)

Flavay® is shown to significantly suppress myeloperoxidase (MPO) activities (marker of inflammation) in a dose-dependent manner. (391, 185, 230, 387, 388)

Flavay® is shown to decrease levels of pro-inflammatory markers: C-reactive protein (CRP), interleukin-6 and tumor necrosis factor-alpha (TNF-alpha). (391, 185, 230, 387, 388)

Flavay® is patented and clinically proven to significantly strengthen antioxidant defense systems, increase intracellular antioxidant capacity of plasma, decreases oxidation of LDL and favorably affects lipid profile. (33, 64, 71, 361, 371)

Flavay® is shown to improve vasodilation and mildly inhibit angiotensin-converting enzyme (ACE) by modulating nitric oxide metabolism in endothelial cells. (203, 204)

Flavay® is found to decrease the expression of cell adhesion molecules in endothelial cells. (391, 185, 230, 387, 388)


Flavay® is shown to significantly improve endothelial nitric oxide levels by improving endothelial function so blood flow increases, muscles surrounding vessels relax and platelets relax (unsticky). (10, 239, 265, 292, 296)

Flavay® is shown to increase endothelial nitric oxide (eNOS) and to inhibit over-production of nitric oxide. Studies show Flavay® protects against toxic over-production of nitric oxide by blocking harmful nitric oxide synthases (NOSs). (293, 296, 303, 315, 372, 414)

Flavay® is shown to significantly increase endothelial nitric oxide levels and improve vascular (vessel) health. (203, 204, 446, 459)

Adhesion Molecules & Inflammation
Research also shows Flavay® is beneficial for cardiovascular health as it modulates monocyte adhesion during the inflammatory process. Flavay® is found to decrease the expression of cell adhesion molecules in endothelial cells. (391, 185, 230, 387, 388)

Angiotensin-Converting Enzyme (ACE)
Flavay® is shown to vaso dilate and mildly inhibit angiotensin-converting enzyme (ACE) by modulating nitric oxide metabolism in endothelial cells. (203, 204)

Clinical and in vivo studies show that Flavay® decreases cardiac levels of reactive oxygen species (ROS) and malondialdehyde (MDA), a metabolite which forms when ROS and oxidized low density lipoproteins (LDL) attack fatty acids in cell membranes. (454)

Clinical and in vivo studies show taking Flavay® increases antioxidant capacity of plasma, decreases oxidation of LDL and favorably affects lipid profile. (398, 377, 383, 454)

Flavay® is shown to improve vasodilation and mildly inhibit angiotensin-converting enzyme (ACE) by modulating nitric oxide metabolism in endothelial cells. (203, 204)

Flavay® strengthens antioxidant defenses & improves vascular health. (33, 64, 71, 361, 371)

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Endothelial Dysfunction in Vascular Diseases: Oxidative Stress
Oxidative stress alters endothelial function, damages nitric oxide synthesis (eNOS), and results in superoxide (and other reactive oxygen species) which further damages endothelial cells with more oxidant stressors and ultimately apoptosis (cell death). (454, 377, 383, 454)

When in the presence of superoxide, nitric oxide initiates lipid peroxidation and oxidizes lipid antioxidants. (203, 204, 446, 459)

Flavay® is shown to improve endothelial nitric oxide levels by improving endothelial function so blood flow increases, muscles surrounding vessels relax and platelets relax (unsticky). (10, 239, 265, 292, 296)

Flavay® stimulates and protects endothelial nitric oxide synthase (eNOS) and improves Nitric Oxide levels. (10, 239, 265, 292, 296)

Flow of blood is impeded, muscles surrounding vessels contract, platelets activate (sticky). (10, 239, 265, 292, 296)

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Blood flow increases, muscles surrounding vessels relax, platelets relax (unsticky). (10, 239, 265, 292, 296)

Flavay® improves endothelial nitric oxide levels by improving endothelial function so blood flow increases, muscles surrounding vessels relax and platelets relax (unsticky). (10, 239, 265, 292, 296)


Flavay® is shown to significantly increase endothelial nitric oxide levels and improve vascular (vessel) health. (203, 204, 446, 459)

Flavay® improves endothelial function & healthy nitric oxide levels. (10, 239, 265, 292, 296)