



SPECIFICATION

Product	: Lavitol (Dihydroquercetin)
Source	: Dahurian Larch - <i>Larix Gmelinii</i> (Rupr.) Rupr.
Part used	: Stumps
Source of Origin	: Russian Federation
Chemical family	: Bioflavonoids
Formula	: Mixture of flavonoids, featuring dihydroquercetin
Composition	: Dihydroquercetin (taxifolin) - min. 90% by weight
Other ingredients	: Aromadendrin, eriodictyol, quercetin, naringenin, pinocembrin - max. 10% by weight
Identification	: HPLC method
Physical state	: Solid powder
Colour	: White to light yellow
Solubility	: Soluble in ethanol, water-ethanol solutions, ethyl acetate; weakly soluble in water, oils; insoluble in chloroform, ether, benzene
Extraction solvent	: Aqueous-alcohol solution
Stability	: Stable at normal conditions of at least 5 years

Dahurian larch tree extract - Dihydroquercetin/Taxifolin is an active antioxidant of natural origin with a high biological activity and a whole range of positive effects on metabolic different pathological processes, allowing to put dihydroquercetin on the first positions among the substances with similar spectrum of action.



Extraction and Processing

Ametis JSC has its own patented technology for the extraction of Lavitol (Dihydroquercetin);

ISO 9001:2015, ISO 22000-2005, HACCP complying production line;

The technological production line is equipped with modern high-tech equipment, which allows to produce high quality products.

Quality Check and Assurance

Every batch is tested for active ingredients - dihydroquercetin and other relative compounds;

Heavy metals, pesticides, microbiological characteristics, physical analysis are carried out for every batch;

HPLC and other analytical reports available for customers
Each batch of the finished product is accompanied by a Certificate of Analysis and Chromatogram.

Environmental Responsibility

Lavitol (Dihydroquercetin) is extracted from the stumps of Dahurian Larch, that are in fact the waste products in the wood processing industry. The logging is carried out in a manner that reduces damage to the environment. We stock the stumps in such a way to decrease the putrefaction of remains of trees in the forest and to prepare the land for further development of new saplings. The stumps liquidation of Dahurian Larches allows to decrease the quantity of dead-wood, that is highly important during the non-fire-rated period;

We strive to comply with the principles ensuring environment preservation, aimed at prevention of environmental pollution and efficient management of energy and natural resources.



Dahurian Larch Tree Extract
DIHYDROQUERCETIN
under the trade mark
LA♥ITOL®

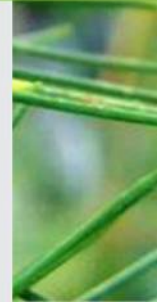


Raw Material for production of dietary supplements, cosmetic and food products



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LAVITOL is a trade name for Dihydroquercetin extracted from the stumps of Dahurian Larch (*Gmelinii* Larch).

As the powerful natural antioxidant Lavitol (Dihydroquercetin) is used for treating circulation problems, high-blood pressure, chronic venous insufficiency, diabetes, is also used for preventing inflammation processes, disorders of the heart and blood vessels, for improving athletic endurance, slowing the aging process and maintaining healthy skin.

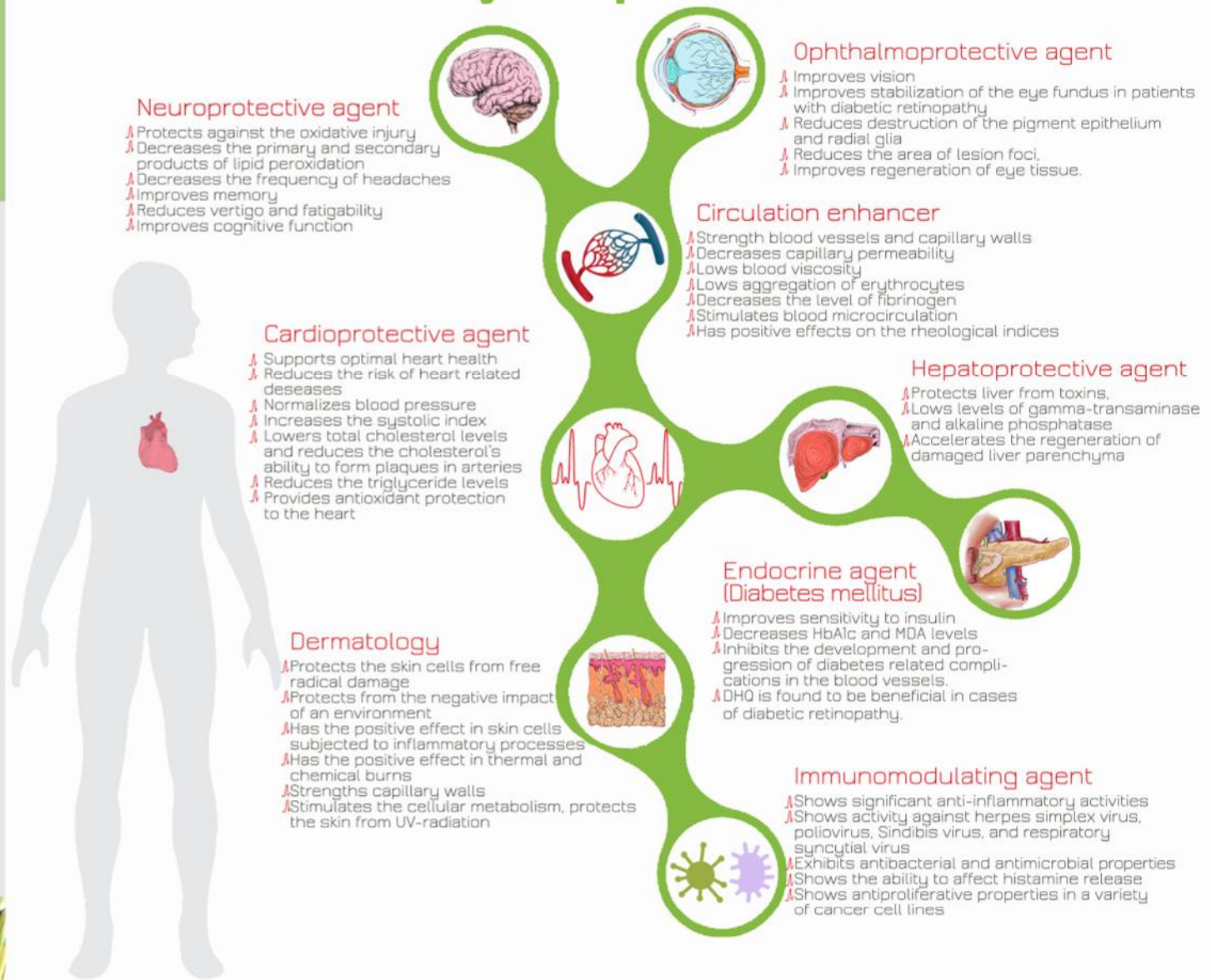
Antioxidants are the body's natural defense against free radicals, also called oxidative stress, which plays a major role in diseases formation. The leading health problems like heart diseases, cancer have been linked to increased levels of oxidative damage and inflammation. One of the many measures of the antioxidant activity is the ORAC (Oxygen Radical Absorbance Capacity) value. Eating products with high ORAC values may help to slow the aging process.

ANTIOXIDANT ACTIVITY OF LAVITOL (DIHYDROQUERCETIN)* (ORACHydro, µmole TE/g)

Lavitol (Dihydroquercetin).	15155-32744*
Luteolin.	12500
Quercetin.	10900
Epicatechin (green tea extract).	8100
Vitamin C.	2100
Vitamin E.	1300

*Data provided by Brunswick Laboratories

Biological Effects and Key Benefits of Dihydroquercetin



Protect yourself from free radical damage and heart disease