

ResveraSirt-HP®

Because Healthy Aging Requires Healthy Arteries and a Healthy Heart



Dr. Mark Houston, Associate Clinical professor of Medicine at Vanderbilt Medical School and Director of Hypertension Institute and Vascular Biology in Nashville, in conjunction with Biotics Research Corporation, has developed ResveraSirt-HP®, a specialized formulation to support vascular integrity and healthy aging.

Sirtuins are a class of enzymes known to affect cellular metabolism via selective gene expression, including cell survival, fat metabolism and insulin resistance. Sirtuins are classified according to their sequence of amino acids. Mammals have seven sirtuin proteins, designated SIRT-1 through SIRT-7.

In animals, sirtuins play a key role in:

- Gene silencing
- DNA repair
- DNA recombination
- Aging – associated with increased rates of stress-induced apoptosis
- Cell survival
- Energy metabolism
- Response to stressors

Utilizing "The Best of Science and Nature" to Create Superior Nutritional Supplements



Each capsule of **ResveraSirt-HP®** supplies 250 mg of purified Trans Resveratrol with quercetin for its ability to slow the metabolism of resveratrol.

To place your order for **ResveraSirt-HP®** or for additional information please contact us:

(905)476-3554



Biotics Research Canada Box 283 • Keswick
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bioticscanada.com

Sirtuin activity is normally inhibited by nicotinamide, a component of vitamin B3, by binding to a specific receptor site. Trans Resveratrol has been shown to inhibit this interaction and thereby increase sirtuin activity.

Resveratrol has been shown to stimulate SIRT-1 and SIRT-3 activity 8-fold, increasing the ability of SIRT enzymes to react with both NAD+ and the peptide substrate (protein deacetylase).

(Howitz KT. *et al.* 2003 *Nature* 425, 191-196; Borra MT, *et al.* 2005 280(17):17187-17195.)

Research on resveratrol has documented improved health and survival of animals on high calorie diets. Resveratrol provides antioxidant activity, and has been shown to be cardio protective and vascular protective, to inhibit angiogenesis, and to down regulate proinflammatory mediators.

Resveratrol has also been shown to mimic caloric restriction (CR) in studies. CR has been shown to increase mitochondrial function in humans and animals. CR also improves insulin sensitivity and carbohydrate metabolism.

Although resveratrol metabolizes rapidly, metabolism is inhibited, and oral bioavailability increases at higher intakes. Interestingly, metabolism of resveratrol is reduced by quercetin, which inhibits sulfation in the intestine and liver.

Each capsule of **ResveraSirt-HP®** supplies 250 mg of purified Trans Resveratrol with quercetin for its ability to slow the metabolism of resveratrol. Also included is IP6 (phytic acid or phytin), a 6-phosphate ester of inositol derived from rice. IP6, effective at a wide pH range, is a strong metal chelator, thereby helping to stabilize the formula.

ResveraSirt-HP® is available in 30-count (#2930) and 120-count bottles (#2931).

Supplement Facts

Serving Size: 1 Capsule

	Amount Per Serving	% Daily Value
Trans-Resveratrol	250 mg	*
Quercetin	25 mg	*
Calcium magnesium phytate	25 mg	*

* Daily Value not established

Other ingredients: Microcrystalline cellulose and capsule shell (gelatin and water).

This product is gluten and dairy free.

RECOMMENDATION: One (1) capsule each day as a dietary supplement or as otherwise recommended by a healthcare professional.

KEEP OUT OF REACH OF CHILDREN

Store in a cool, dry area.
Sealed with an imprinted safety seal for your protection.

Product # 2931 Rev. 05/14

Biotics Research recommends these product adjuncts: **Lipid-Sirt®**, **VasculoSirt®**, **EFA-Sirt Supreme®**, **CoQ-Zyme-30™**, and **Co-Q-100**.



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