CIRCE Scientific

PTEROvita® FOR FOOD

Pterostilbene that *works*

What is it?

Pterovita® is a patented bioactive crystalline formula consisting of pterostilbene (nature's best SIRT1 activator and the most powerful antioxidant polyphenol) and picolinic acid (a human endogenous compound with neuroprotective properties).

Polyphenols are nature's gift for health, offering antioxidant protection, cardiovascular support, anti-inflammatory action, metabolic regulation, neuroprotective action, microbiota improvement, and more. Pterostilbene is the most promising and beneficial, but its **low bioavailability has held it back... until now!**

CIRCE Scientific has developed a formula that facilitates pterostilbene's fast and complete dissolution and absorption, providing at last the needed concentration to trigger its promising health benefits shown in studies.

A pterostilbene that works.

Main benefits

Anti-aging
May support cellular function and contribute to slowing the aging process.

Anti-inflammatory
Could help alleviate inflammation and encourage natural healing.

Neuroprotective
Supports brain cell health and may promote cognitive well-being.

Beauty from within
Contributes to radiant and healthy skin by nourishing cells from the inside out.

Sports performance
Assists in improving recovery after physical activity.

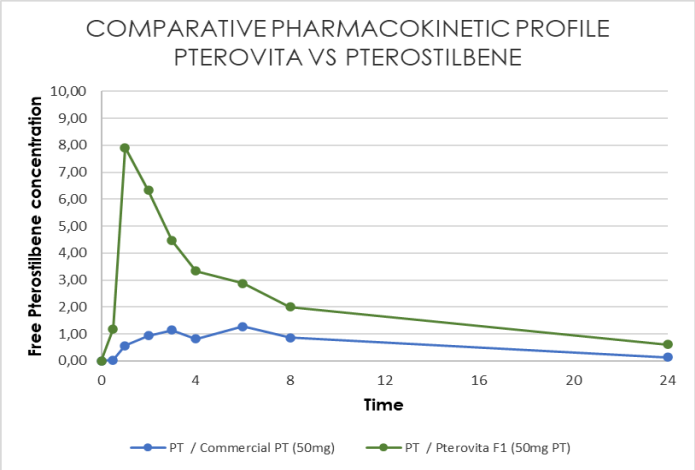
Activates antioxidant system
May enhance the body's natural antioxidant defenses to protect against damage.

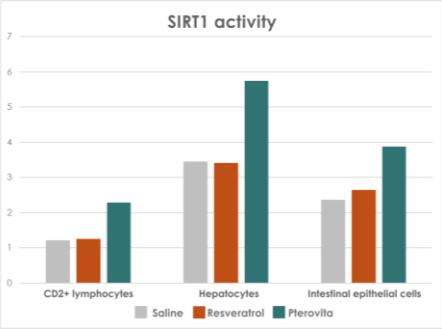
Regulates in cardiovascular health and diabetes
Could help regulate blood sugar levels and promote cardiovascular wellness.

What Pterovita® does

1 Enhanced bioavailability in humans:

Pterovita® has shown a 4x increase in pterostilbene's bioavailability compared to its original form. Not only that, but it also affords a higher peak (Cmax) of crucial importance to trigger the biological pathways.





2 Nature's most potent SIRT1 activator:

Pterovita® unlocks pterostilbene's full potential as nature's best SIRT1 activator, surpassing resveratrol by far. SIRT1 is a key regulator of cell defense and survival in response to stress, involved with diverse biological functions including cell development, metabolism, DNA repair, apoptosis, and longevity.

3 Beyond antioxidants:

Pterovita® doesn't just neutralize free radicals; it can help empower your body's own antioxidant defenses through Nrf2 activation, generating its own antioxidants. This proactive approach provides comprehensive protection against oxidative stress.

4 Pterovita® downregulates pro-inflammatory signal molecules:

Pterovita® can help cells downregulate NF-kB, a complex understood as the command-and-control center when it comes to inflammation in the body.

How can Pterovita® be used?

SUPPLEMENTS | BAKERY | BARS | BEVERAGES | GUMMIES

Pterovita® makes it easy to add Pterostilbene's benefits to your formulation:

- In its raw state, **Pterovita®** is a slightly yellow powder. No noticeable smell and a slightly bitter, spicy flavor.
- High temperature and pressure procedures to incorporate **Pterovita®** in food didn't affect its stability.
- The enhanced solubility of Pterovita® results in a 4-fold increase in AUC and a 7.5-fold increase in Cmax.
- **Pterovita®** has been shown to be stable as a solid for at least 30 months at long term conditions (25° C/77°F± 2° C and 60± 5% humidity). The stability test is still ongoing, and retest time expected to increase.
- **Pterovita®** is proven to be non-toxic, with 14 days of comprehensive toxicity studies at various doses and NOAEL established at 300 mg/kg/day.
- **Pterovita®** is manufactured in a cGMP, HACCP, Halal certified plant.
- **Pterovita®** has been granted Generally Recognized as Safe (GRAS) status by an independent expert panel, who established a 220 mg/day ADI (for a 60 kg adult).

GRAS GENERALLY RECOGNIZED AS SAFE

About Pterovita®

APPROVED:

Self-affirmed GRAS by Expert Panel according to FDA Guidelines

HUMAN TESTED PRODUCT:

Human-tested high bioavailability

HIGH QUALITY PRODUCT:

Produced under cGMP

Produced under HACCP

Halal Certified

Tested in Europe

SAFE PRODUCT AND CERTIFICATIONS:

Gluten Free
Allergens free
Banned substances-free
Aflatoxin free
Pesticide Free
Melamine Free
PCB Free
Nanomaterial tech. free
Non-GMO

Pterovita® can revolutionize your formulations with its increased bioavailability, exceptional antioxidant power and SIRT1 activation.
Want to take your products to the next level?

Let us help you with our expert formulation support.

PTEROvita®
FOR FOOD

Leading experts in cocrystal engineering and active ingredients synergies

CIRCE Scientific, a pioneering R&D company with over two decades of innovation, specializes in the development of polyphenol combinations and crystal engineering. Established on a strong academic foundation, our team leverages years of research experience to harness the full potential of polyphenols. By employing advanced crystal engineering techniques, we overcome the limitations of these valuable compounds, creating innovative solutions for various industries.

Designed & Manufactured by:

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