

# PTEROvita<sup>®</sup>

## FOR FOOD

## What is it?

**Pterovita<sup>®</sup> is a patented bioactive 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 famous for antioxidant protection, cardiovascular support, anti-inflammatory action, metabolic regulation, neuroprotective action, microbiota improvement, and more.

Resveratrol is the most famous polyphenol but Pterostilbene is the most promising and beneficial, but their **low bioavailability has held them back**.

**CIRCE Health Science** has developed a formula that significantly enhances the solubility and absorption rate of pterostilbene, providing at last the needed concentration to trigger its promising health benefits shown in studies.

## Main benefits



### Anti-aging

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



### Sports performance

Assists in improving recovery after physical activity.



### Anti-inflammatory

Could help alleviate inflammation and encourage natural healing.



### Activates antioxidant system

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



### Neuroprotective

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



### Regulates in cardiovascular health and diabetes

Could help regulate blood sugar levels and promote cardiovascular wellness.



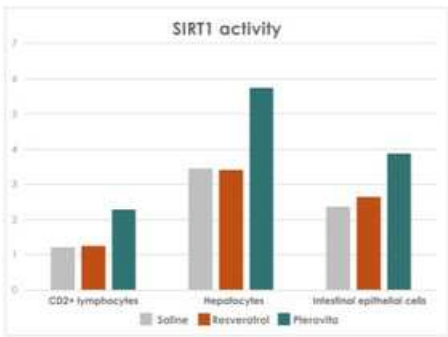
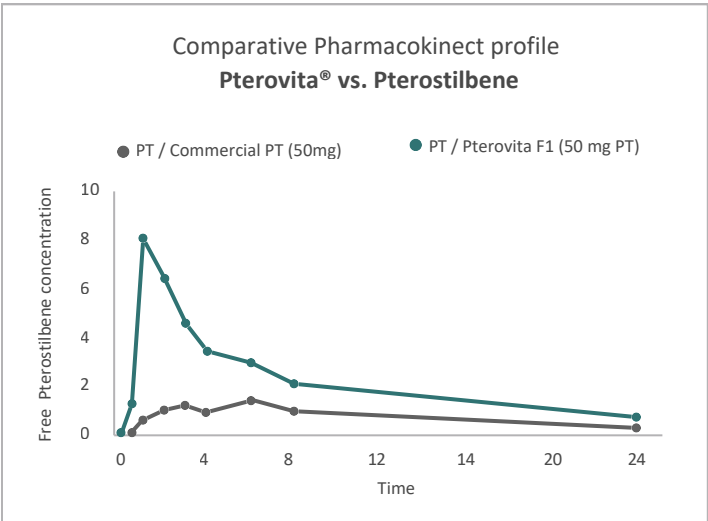
### Beauty from within

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

# 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 who established a 220 mg/day ADI (for a 60 kg adult).



## 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®

Leading experts in advancing ingredient optimization for enhanced health benefits.

CIRCE is a science-driven company specialized in the development of patented cocrystal-based ingredients that modulate key cellular pathways such as SIRT and Nrf2—enhancing resilience, supporting repair, strengthening cellular defenses, and restoring metabolic balance.

By combining advanced crystal engineering with polyphenol synergies, CIRCE optimizes the bioavailability, stability, and efficacy of high-value bioactive compounds.

Its team leverages years of research experience to maximize the functionality of these compounds, delivering innovative, scientifically validated solutions across the nutraceutical, dermocosmetic, animal health, and performance sectors.



**Ready to find out more about how you can use Pterovita® in your formulations?  
Contact our sales team. We're looking forward to working with you.**

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