Bone Health

One in three consumers are concerned about bone health and are looking for ways to support their bones.*

Besides having anti-inflammatory properties⁴ resveratrol has been shown to have beneficial effects on bone density.⁶-⁸ It supports bone health in a way that complements, rather than duplicates, the actions of Vitamin D and Calcium⁵ making it a vital addition to bone health products.

Bone health, a matter of balance

The delicate balance between bone formation and bone resorption is lost with ageing, when bone resorption overtakes bone formation. This process is further exacerbated by obesity-related low-grade inflammation and hormonal changes characteristic of menopause.¹-³

Resveratrol supports the balance between bone resorption and bone formation

Besides being known for its anti-inflammatory properties⁴, resveratrol, unlike many supplements targeting bone health, promotes the creation of new bone-forming cells.² Moreover, in a recent randomised, placebo-controlled study⁶, supplementation with Veri-te™ resveratrol led to a significant increase in bone-specific alkaline phosphatase (BAP), an important biomarker of bone formation.

24 healthy obese men, 4 weeks, 500 mg daily, Bone Alkaline Phosphatase

Resveratrol is shown to increase spinal bone density in humans

In a follow up to the above study⁷, again conducted with Veri-te™ resveratrol, the results show:

- A significant increase in bone specific alkaline phosphatase (BAP)
- A dose-dependent increase in spinal bone mineral density, with a significant effect observed for the 1,000 mg dose
- That resveratrol supplementation may affect bone primarily by stimulating formation or mineralisation

66 obese men w. metabolic syndrome, 16 weeks, 150 or 1,000 mg daily, BAP + Lumbar Spine bone mineral density

Resveratrol supports bone density in animal models of menopause

In a recent study, resveratrol limited bone mineral density reduction typically seen in post-menopausal women. The study was conducted with ovariectomised rats, a model for post-menopausal osteoporosis.⁸

40 female rats, 8 weeks, ovariectomy & 0 or 5 or 25 or 45 mg/kg daily, bone mineral density & others

On-going research

Evolva has recently signed a research agreement with the University of Newcastle, Australia to co-fund one of the most ambitious studies yet, measuring the effect of daily resveratrol supplementation on bone health and other parameters.⁹ The study has begun and Phase I results are expected in the second half of 2018.

170 post-menopausal women, 24 months, 75 mg Veri-te™ resveratrol twice daily, BAP + bone mineral density

Made Like No Other
Veri-.te™ resveratrol is produced using an innovative and natural yeast fermentation process.
This means our resveratrol is:

PURE: >98% pure
SAFE: free of contaminants (such as Emodin & PAHs)
RELIABLE: consistent batch to batch
VERSATILE: off-white, odourless and colourless

Our Products:
- > 98% pure food-grade for dietary supplements and foods and beverages
- Cosmetic-grade resveratrol with >99% purity
- API grade resveratrol product with DMF available. Sold as everesveratrol.

Regulatory & Quality Status:
- EU Novel Foods approved and US self-affirmed GRAS
- Made under cGMP and HACCP based food safety conditions
- Halal and Kosher certified resveratrol available

Evolva is committed to supporting clinical trials and research studies to further understand the important benefits of resveratrol in human ageing.

About us
Veri-.te™ resveratrol is produced by Evolva. Evolva was founded in 2004 and today has operations worldwide. Based on a strong research foundation, we focus on producing high-value ingredients for use in applications for health, wellness and nutrition. We have an R&D team of around 120 scientists working on the cutting edge of their field. Evolva is a pioneer and global leader in sustainable, fermentation-based approaches. Visit www.evolva.com to learn more.

For more information:
We have sales offices in the US, Europe and Asia. Our technical team can advise on formulations and ideal combinations and our marketing team can help you plan your marketing strategy for Veri-ite™ resveratrol. We are happy to supply samples for testing. We also have a webshop on our site where you can buy our products and order samples.

Evolva’s website: www.evolva.com
Veri-ite™ resveratrol website: www.veritesveratrol.com

For general enquiries and customer service enquiries please email: res@veritesveratrol.com

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References