

EVOLVA NEWS



Evolva's resveratrol shows potential to protect bones during aging

Reinach, Switzerland, 3 November 2014 – A new study has found that twice-daily resveratrol helps improve key bone health indicators. In a randomised, double-blind, placebo-controlled study published in the *Journal of Clinical Endocrinology & Metabolism*, Evolva's trans-resveratrol boosted bone density, bone formation, and resorption in middle-aged men diagnosed with metabolic syndrome – a condition linked to low-grade inflammation that can reduce bone density and lead to osteoporosis. Studies have shown metabolic syndrome affects more than 20% of the adult US population, with prevalence increasing with age.

In this new study, authored by Marie Juul Ornstrup, Torben Harsløf, Thomas Nordstrøm Kjær, Bente Lomholt Langdahl and Steen Bønløkke Pedersen of the Aarhus University Hospital in Denmark, 66 middle-aged Danish men diagnosed with metabolic syndrome took either 500 or 75 milligrams of Evolva's resveratrol, or a placebo, twice daily for 16 weeks. Men who took the 500 mg dose of resveratrol had a 2.6 percent increase in lumbar spine volumetric bone mineral density compared to those on placebo (P=0.043). They also had a 16 percent increase in levels of the bone formation marker bone alkaline phosphatase (BAP) versus placebo (P<0.001). Both measurements were statistically significant.

Evolva's trans-resveratrol is a high-purity (>98%) product made by fermentation, eliminating the need to extract this ingredient from the roots of the Japanese knotweed, an invasive plant pest that is grown in China for use as a laxative, but possession of which is illegal in much of Europe and North America. Resveratrol is also found in red grapes and red wine though at far lower levels than in knotweed. It has previously been shown that Evolva's Resveratrol can protect against bone loss in rodents.

This study, "*Resveratrol Increases Bone Mineral Density and Bone Alkaline Phosphatase in Obese Men: A Randomized Placebo-Controlled Trial*," is available in print or online at: <http://dx.doi.org/10.1210/jc.2014-2799>

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About Resveratrol

Resveratrol is a natural anti-inflammatory agent found in red grapes, berries and nuts. It is commercially sourced primarily from the root of the alien invasive species Japanese knotweed. Evolva's resveratrol is a high-purity (>98%) and formulation-friendly product made entirely by fermentation, which eliminates the need to source this compound from Japanese knotweed, which in turn eliminates the need for pesticide use in the production of resveratrol. Evolva's resveratrol is ideal for incorporating into dietary supplements and food & beverage products. Evolva is playing a leading role in the advancement of evidence-based resveratrol research focusing on healthy aging, blood sugar control, memory & cognition, and animal health.

About Evolva

Evolva is a pioneer and global leader in sustainable, fermentation-based approaches to ingredients for health, wellness and nutrition. Evolva's products include stevia, vanilla, saffron and resveratrol. As well as developing its own proprietary ingredients, Evolva also deploys its technology for partners, providing them with a competitive edge and sharing in the returns they make.

Disclosure of interest

Authors: none

Evolva : donated the resveratrol