

# **DSM Nutritional Products Announces First Human Data on resVida(R) Trans-resveratrol Which Demonstrates Potential Cardiovascular Health Benefits**

## **Data Presented at 4th International Conference on Polyphenols and Health and The Nutrition Society of Australia and Nutrition Society of New Zealand Joint Annual Scientific Meeting**



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PARSIPPANY, N.J., Dec. 8 /PRNewswire/ -- DSM Nutritional Products today announced data from two analyses of the first human study of resVida® trans-resveratrol that were presented at the 4th International Conference on Polyphenols and Health (ICPH) in Yorkshire, England, Dec. 7-10, 2009 and the Nutrition Society of Australia (NSA) and Nutrition Society of New Zealand (NSNZ) Joint Annual Scientific Meeting in Newcastle, NSW, Dec. 8-11, 2009. The data showed resVida® is the first pure trans-resveratrol dietary ingredient to demonstrate cardiovascular health benefits in humans and was presented at both conferences this week by Narelle Berry, Ph.D., Nutritional Physiology Research Centre, School of Health Sciences, University of South Australia, and Rachel Wong, B.S., Nutritional Physiology Research Centre, University of South Australia, respectively.

(Logo: <http://www.newscom.com/cgi-bin/prnh/20091111/NY08935LOGO> )

"The safety of resVida® trans-resveratrol has been proven in multiple studies. These new study results are so exciting because they are the first data that show resVida's efficacy in humans," said Dr. Berry. "The potential cardiovascular health benefits of resVida® shown by these data are among the first to exhibit of health benefits in humans by any trans-resveratrol dietary ingredient."

The first analysis from this study presented by Dr. Narelle Berry at ICPH aimed to determine whether consuming resVida® trans-resveratrol could enhance flow mediated dilation (FMD) of the brachial artery and whether there is a dose-response relationship between resVida® trans-resveratrol and FMD. (1) The second study analysis presented by Rachel Wong at the NSA and NSNZ Joint Annual Scientific Meeting investigated whether consuming resVida® trans-resveratrol in small doses would enhance FMD and calm a rise in blood pressure in response to sub-maximal exercise and whether there was a dose-response relationship for these improvements. (2)

Both study analyses found that there was a significant effect of trans-resveratrol supplementation on FMD ( $P=0.006$ ) with FMD increasing from  $3.9 \pm 0.8$  after placebo to  $7.6 \pm 1.6\%$  at 270 mg. (1,2) FMD was also linearly related to plasma trans-resveratrol concentration. (1,2) These preliminary data suggest that resVida® trans-resveratrol is an active mediator of the purported cardiovascular health benefits of red wine and grape consumption. (1,2) Wong et al., also reported that they did not find a treatment effect with resVida® trans-resveratrol on the blood pressure response to exercise. (2)

"There is a lot of confusion right now among the public about the different types of trans-resveratrol dietary ingredients on the market. resVida® stands out among trans-resveratrol dietary ingredients because of its quality, reliability, traceability, safety," said Reto Rieder, Sr. Marketing Manager at DSM. "To better understand the healthy aging and health benefits of resVida® trans-resveratrol in humans, DSM Nutritional Products has committed to a comprehensive research program for resVida® with top-tier institutions."

### **About the Study**

This was a double-blind randomized cross over intervention that looked at the effect of trans-resveratrol on plasma levels and flow mediated dilatation of the brachial artery\* (FMD). (1,2) The study participants included 19 overweight or obese untreated hypertensive men and post-menopausal women (14 men and 5 women age  $55 \pm 2$  years, BMI,  $2.8 \pm 0.5 \text{ kg.m}^{-2}$ , BP  $140 \pm 2 / 89 \pm 1 \text{ mmHg}$ ) randomly assigned to consume placebo and three single doses of resVida® trans-resveratrol (30, 90, 270 mg) at weekly intervals. (1,2)

### **About Resveratrol**

Resveratrol is a powerful antioxidant that helps prevent free radical damage, which can lead to premature aging of cells. Resveratrol is found naturally in peanuts, mulberries, grapes and Japanese knotweed (*Polygonum cuspidatum*). Resveratrol is linked to healthy aging (3,4), the French Paradox (5) and antioxidant benefits. (3)

Resveratrol has scientifically demonstrated health benefits. It mimics the effect of calorie restriction (3,4,6), the only scientific intervention proven to slow aging and extend life. (7) Resveratrol has been demonstrated in various animal models to: extend lifespan (3,6,8); improve cardiovascular health (3); improve balance, coordination and endurance (4,6); improve insulin sensitivity and glucose utilization. (7)

### **About resVida® Trans-resveratrol**

resVida®, manufactured by DSM Nutritional Products, is a 99 percent pure form of trans-resveratrol, a powerful antioxidant polyphenol found in red wine that helps support cardiovascular health and overall healthy aging. resVida® is the leading trans-resveratrol dietary ingredient with self-affirmed GRAS (Generally Recognized As Safe) status by a nationally recognized, independent panel of experts. resVida® is 99 percent pure and free from pesticide and herbicide residues. resVida® trans-resveratrol has proven bioavailability in humans, which means it can be absorbed in the body. (9) resVida® trans-resveratrol has unmatched, comprehensive safety data. (10)

For more information, please visit [www.resvida.com](http://www.resvida.com).

DSM Nutritional Products sets the standard with resVida® brand trans-resveratrol. For more information, please contact DSM at 800-526-0189 or visit us at [www.unlimitednutrition-na.dsm.com](http://www.unlimitednutrition-na.dsm.com).

### **DSM Nutritional Products**

DSM Nutritional Products is the world's leading supplier of vitamins, carotenoids and other fine chemicals to the feed, food, pharmaceutical and personal care industries. The business has sales of over EUR 2 billion and a long tradition as a pioneer in the discovery of new products, new formulations and attractive applications for all industry segments.

### **DSM - the Life Sciences and Materials Sciences Company**

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