

Quick Fact Sheet - Emulin

Emulin is a natural, over-the-counter compound derived from fruits, such as grapefruits, grapes and berries. Emulin works with enzymes to metabolize carbohydrates and lower blood sugar levels. Emulin was discovered by Daryl Thompson, a food and bio-chemist, and Dr. Joseph Ahrens, former director of research for the Florida Department of Citrus, by studying the use of grapefruit as a weight loss tool.

Studies have shown Emulin to...

- slow the conversion of complex carbohydrates to simple sugars
- reduce sugar absorption to the bloodstream while stimulating absorption to muscle tissue
- slow down gluconeogenesis by the liver
- increase breakdown of lipids in fat tissue
- increase insulin sensitivity by increasing glucose transporters in muscle tissue in the presence of insulin
- block an insulin inhibitor called TNF alpha, which therefore increases insulin release from pancreatic tissue

In a study at Scripps Clinic in Calif., Dr. Ken Fujioka found that individuals lost weight without changing their diets and adding grapefruit juice, fresh grapefruit and dehydrated powdered grapefruit and decreased their insulin resistance. Ahrens & Thompson identified three phytochemicals that emulated insulin at various key enzymatic control points and increased insulin sensitivity in order to create Emulin.

- Initial pre-clinical trials on humans found that insulin resistance could be overcome, and fasting blood glucose could be reduced by 25%.
- Eurofins Lab conducted a test on rats in 2007 and found that the area under the curve (AUC) blood glucose was reduced by 27%
- Additional studies were done in 2008 by Cetero Research that shows that when used with Metformin, Emulin increased the other diabetes medication's efficacy by ten-fold, and the AUC blood glucose level was reduced by 28%
- Emulin can be added universally to food and beverage
- Emulin can also be taken as a nutraceutical to manage weight.
- Emulin does not have any adverse side effects.
- Emulin is different than fen-phen, synephrine and other anti-obesity supplements because it does not increase metabolism; it works with the body's natural mechanisms to manage sugar.