



presents:

ThermoDiamine™

ENHANCED THERMOGENIC SUPPORT

INSPIRATION. INCEPTION. INNOVATION.

What is ThermoDiamine™?

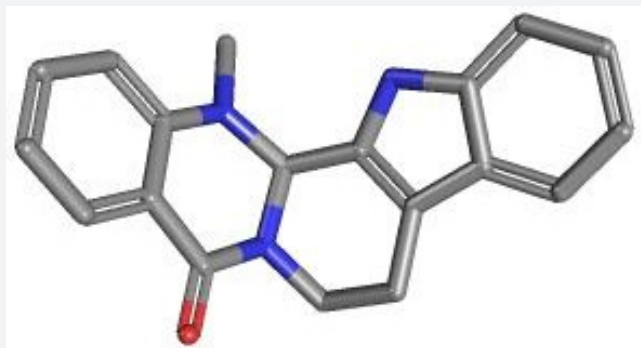
ThermoDiamine™, otherwise known as Evodiamine, is a quinoxaline alkaloid isolated from the unripe fruit of *Evodia Rutchae*. Through thermogenic pathways similar in process to capsaicin, ThermoDiamine™ may support a reduction in body fat without the common side effects like burning and indigestion, associated with using capsaicin.

Evodiamine chemical structure

How does it work?

ThermoDiamine™ appears to support an increase in lipolytic (fat burning) activity through several mechanisms.

- **Helps burn fat** - Similar to the action of capsaicin, evodiamine appears to effect receptors known as vanilloids. These receptors are involved in the regulation of body temperature. Secondly, evodiamine may support an increased output of catecholamines like epinephrine and nor-epinephrine from the adrenals. Since catecholamines are intimately involved in fat loss, evodiamine assists in supporting healthy fat oxidation. Thirdly, studies suggest evodiamine may support an increase in peripheral heat loss. This may be due to evodiamines activating affect on uncoupling protein 1 (UCP1) in both brown and white adipose tissue causing an increase in energy expenditure and heat production. In a recent study, (Kobayashi Y et al, 2001) when evodiamine was supplemented at 0.02% in a high-fat diet for 21 days, the body weight, perirenal fat weight and epididymal fat of test subjects' weight were found to be significantly reduced compared to the control group. Additionally, the treated groups on a high fat diet gained significantly less body fat than the control groups.
- **Helps suppress hunger** - Lastly, in recent research evodiamine has been elicited a hunger suppressing affect, this may have been caused by the reduction in neuropeptide Y, a hypothalamic peptide, that regulates hunger.



Application & Serving Size

ThermoDiamine™ is an appropriate product for weight management. It can be taken in a variety of forms including capsule, tablet, powder or liquid. The recommended serving of evodiamine, the principal constituent, is 10-20 mg and can be taken one to three times daily. ThermoDiamine™ is available in both 10% and 98% material. As with any weight management program, ThermoDiamine™ should be used in conjunction with proper nutrition and exercise.

**For more information, please contact us at:
800.479.2879 or visit www.in-ingredients.com**

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