



Specialty ingredients in weight management & metabolic health

OmniActive Evolution

150+ years strong history in natural products

1857 → 1970 → 1989 → 1996

Kanji Moorarji begins the trade in spices



BOI's Oleoresin Plant at Angamaly, Kerala

Joint venture with McCormick USA



Mariwala family re-acquires McCormick's share in Kancor



2013 ← 2010 ← 2004

Global team of over 350



OmniActive expands operations globally



OmniActive Health Technologies Incorporated



Our Vision

We improve lives





By enhancing nutrition
and wellness



Using science and
innovation

Product Portfolio | Current Products



Marigold Flowers



Eye Health



Skin Health



Paprika



Eye Health



Capsicum Peppers



Weight Management



Sports Nutrition



Turmeric Rhizomes



Joint Health



Brain Health

Product Portfolio | **Upcoming Launches**



Ginger



Digestive Health



Salacia



Weight Management



Glucose Control

10 more products in development



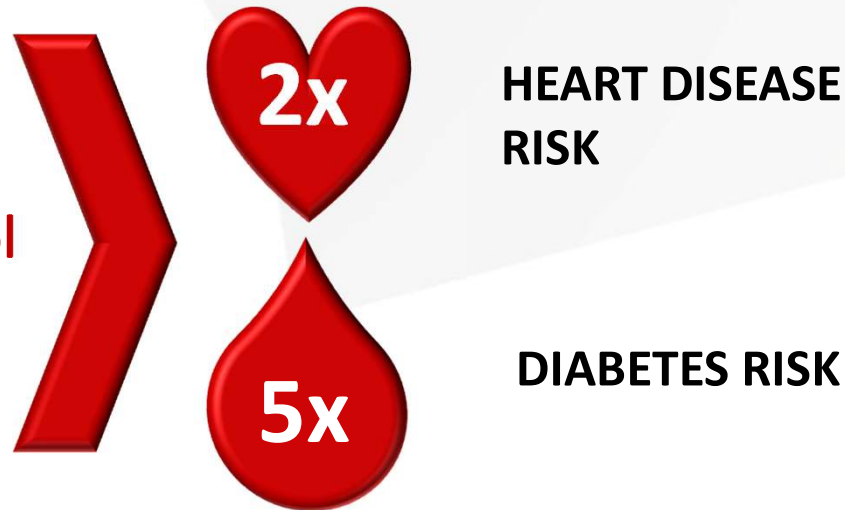
OmniLean

The Metabolic Synergizer

Weight gain, poor dietary choices and a sedentary lifestyle are key predictors for long-term health

Global population stats

- **~ 40%** overweight or obese, **~ 20%** obese **by 2025**
- **25%** metabolic health impacted
 - **Central obesity**
 - **Insulin resistance**
 - **Low HDL-cholesterol**
 - **Hypertension**
 - **High triglycerides**



Supporting BOTH metabolic health and weight management are key factors for maintaining long-term health and wellness

We need to target multiple benefits and build a comprehensive solution

Weight management

- ***Restrict calorie intake / absorption***
- ***Increase fat oxidation***
- ***Reduce fat accumulation***

Metabolic Health

- ***Heart health***
- ***Glucose metabolism***

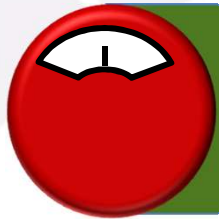


Consumers want to be healthier
regardless of the shape they are in

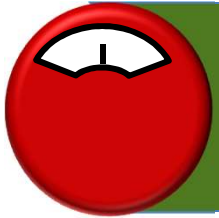
Metabolic synergizer: an
ingredient that provides a
comprehensive approach to
achieving multiple
objectives of healthy
metabolism and weight
management



OmniLean: Metabolic Synergizer targeting multiple benefits:



Reduced carbohydrate & fat absorption



Satiety



Healthy cholesterol mgmt



Healthy glucose metabolism



From ancient wisdom to modern science

OmniLean™ – Optimized Salacia Extract

- Standardized extract of “Salacia plant”
- Woody climbing vine found in India and Sri-Lanka
- Sometimes referred to as Kothala himbutu
- Roots, stems, dried parts of whole plant extensively used in Ayurveda to treat a variety of ailments especially for prevention of diabetes



Benefits in carbohydrate and fat metabolism

Prevent weight gain

- ↓ Fat absorption
- ↓ Fat accumulation
- ↓ Food intake
- ↓ Carb absorption
- ↑ Improved lipid metabolism

Healthy Glucose

- ↓ Carb absorption
- ↑ Carb / glucose metabolism
- ↓ Insulin resistance / improve insulin sensitivity

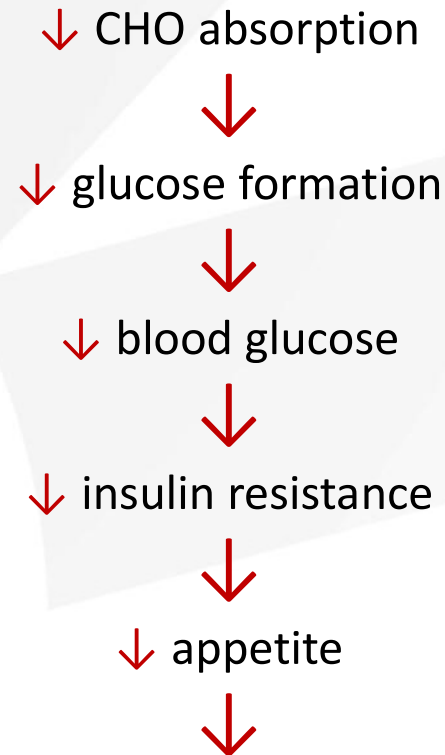
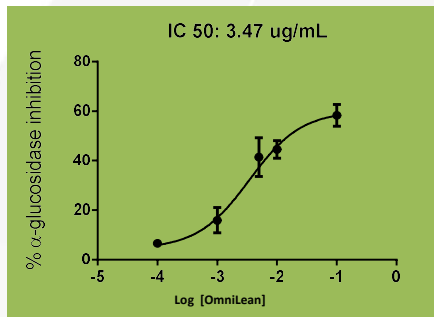
Healthy Cholesterol

Improved lipid metabolism / profile

Lower carbohydrate absorption: Manage weight & healthy glucose levels

Alpha-Glucosidase Inhibition

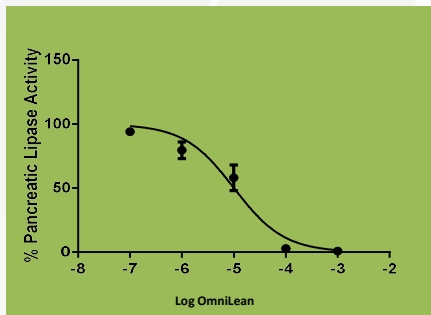
- Alpha-glucosidase: Brush border enzyme located in the small intestines
- Breaks down starch and disaccharides to glucose
- Inhibiting alpha-glucosidase activity slows down glucose absorption and reduces impact of carbohydrates on blood sugar and insulin



Lower fat absorption: Manage weight & healthy lipid levels

Pancreatic Lipase Inhibition:

- Pancreatic Lipase: Secreted from the pancreas
- Hydrolyzes (breaks down) dietary fat
- Converts triglyceride substrates found in ingested oils to monoglycerides and free fatty acids
- Inhibiting the breakdown of dietary fats slows the absorption and subsequent storage into the body



↓ fat absorption



↓ fat molecule size



↓ bad lipids



↓ fat storage



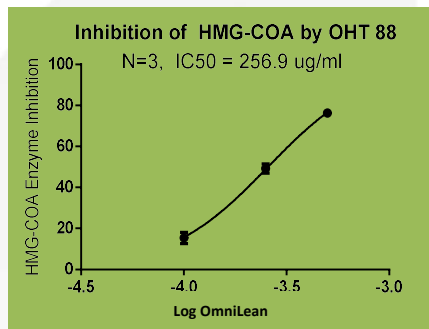
Healthy lipids & prevents weight gain

Limit cholesterol production: Healthy cholesterol management

HMG-CoA reductase inhibition:

- Rate-limiting enzyme in cholesterol production
- Reducing HMG CoA reductase activity reduces production of cholesterol

↓ cholesterol production



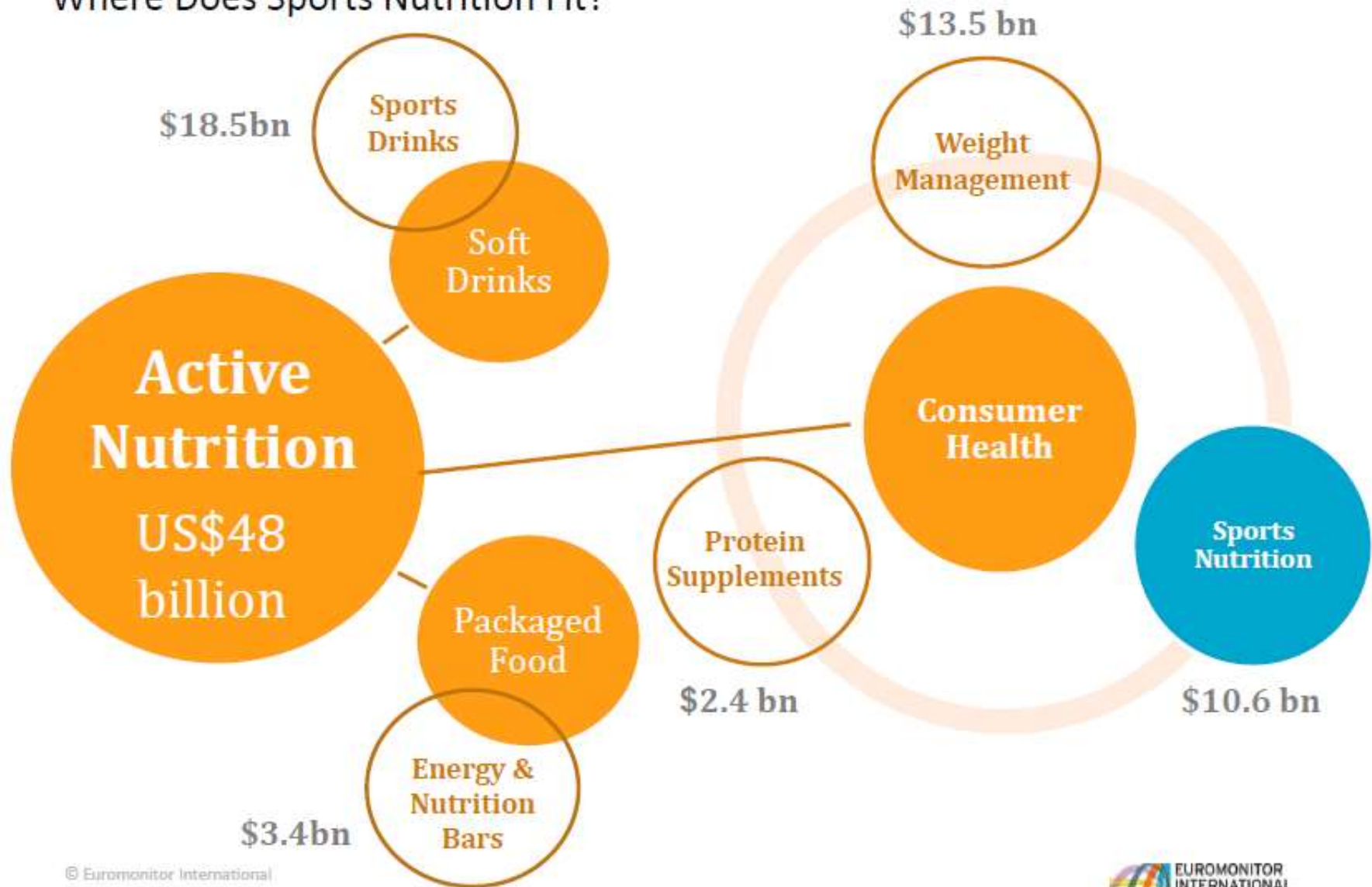
OmniLean research indicates efficacy & safety

Basic Research	Toxicological	Human Clinicals
<ul style="list-style-type: none"> • Enzyme Assays <ul style="list-style-type: none"> ○ Inhibition of α-glucosidase, pancreatic lipase, HMG CoA reductase • Nutrigenomics <ul style="list-style-type: none"> ○ \uparrowc/EPB alpha ○ \downarrow FAS, ACC, PPAR gamma, SCD-1 • Animal – C57BL/J mice <ul style="list-style-type: none"> ○ \downarrow weight gain & food intake ○ \uparrow lipolysis ○ \downarrow epididymal fat mass, glycerol & FFA ○ \uparrow Adiponectin and Ghrelin ○ \downarrow Insulin and leptin levels ○ \uparrowslightly GLP1 • Animal - C57BL/6 mice <ul style="list-style-type: none"> ○ HFD vs HFD+SCE ○ \downarrowBody weight & Fat mass 	<ul style="list-style-type: none"> • AMES • Chromosomal aberrations • Micronucleus • Animal studies (2): Safety & Efficacy : 10 week studies <ul style="list-style-type: none"> ○ No mortality or histopathological changes • Animal studies: 14-,28- and 90-day repeated dose studies <ul style="list-style-type: none"> ○ No mortality ○ No histopathological changes • GRAS self affirmation 	<ul style="list-style-type: none"> • BIG/OGTT <ul style="list-style-type: none"> ○ Cross over ○ Blood glucose& Insulin: 0 - 180 min ○ \downarrow AUC glucose; AUC insulin • Satiety (ongoing) <ul style="list-style-type: none"> ○ Cross over ○ VAS satiety scale ○ Biochemical markers of satiety, glucose and insulin ○ \downarrow AUC glucose & iAUC ○ \downarrow hunger \uparrow GLP-1 ○ \downarrow savory perception at 30,60, 90 and 120 mins • MHS (ongoing) <ul style="list-style-type: none"> ○ Parallel ○ Metabolic health markers, body composition



For the “Pro-actives”

Where Does Sports Nutrition Fit?



© Euromonitor International



More than 40% of this market is driven by the active lifestyle group, or simply the "ProActives"

- They want to :
 - Enhance their workout
 - Look good and maintain their appearance
 - Maintain healthy body weight
 - Control what they eat
- “Clean” nutrition is important
 - Easily identifiable
 - From natural sources/food
 - Resonates with their lifestyle
 - Well researched, science driven



Capsimax — proprietary & exploratory research on Capsaicinoids

Capsimax



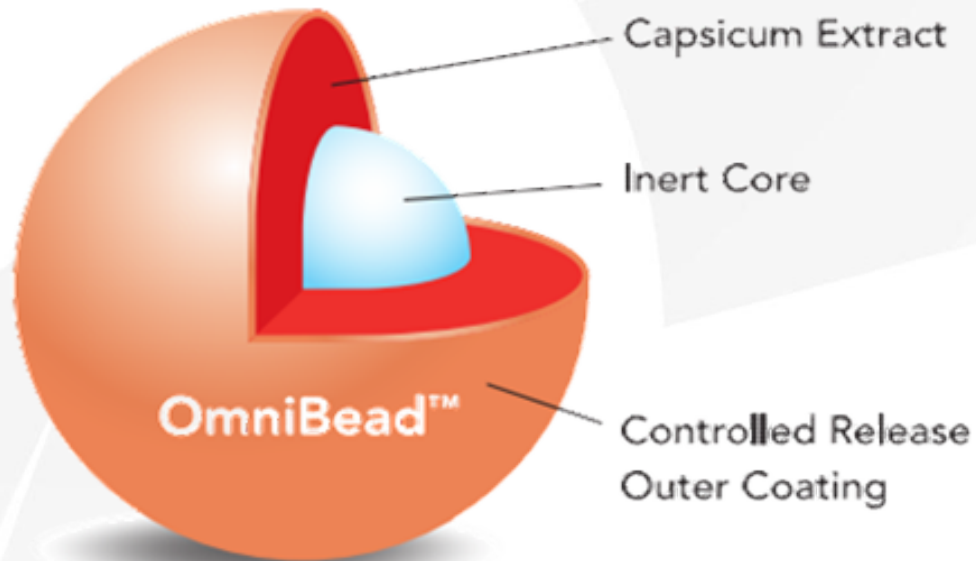
**Weight Management
(Satiety, Metabolic
rate, lipolysis)**

**Sports Nutrition (Endurance,
Energy)**

**Cardiovascular Health (Blood
Pressure)**

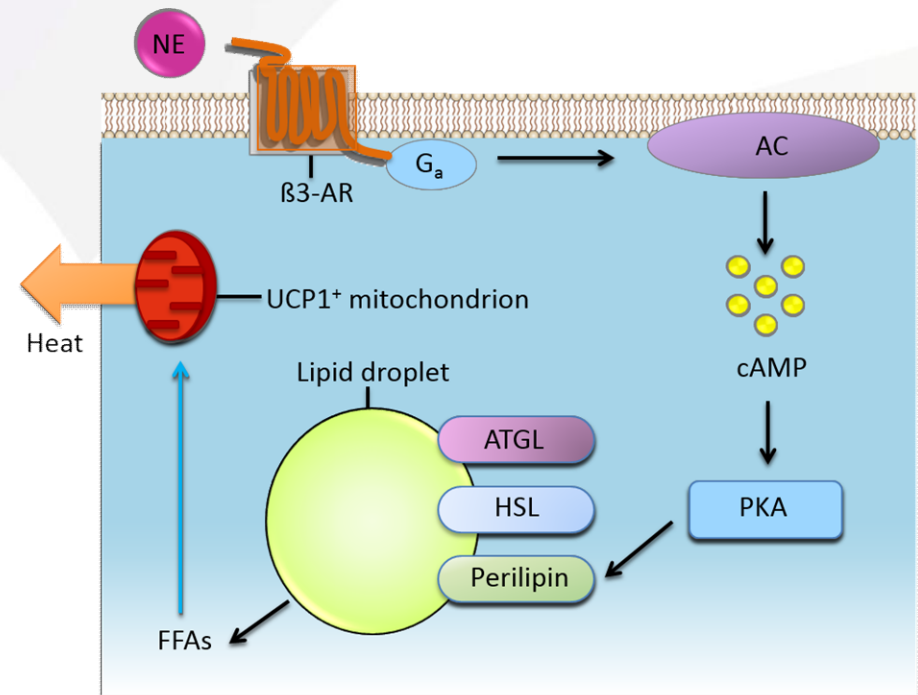
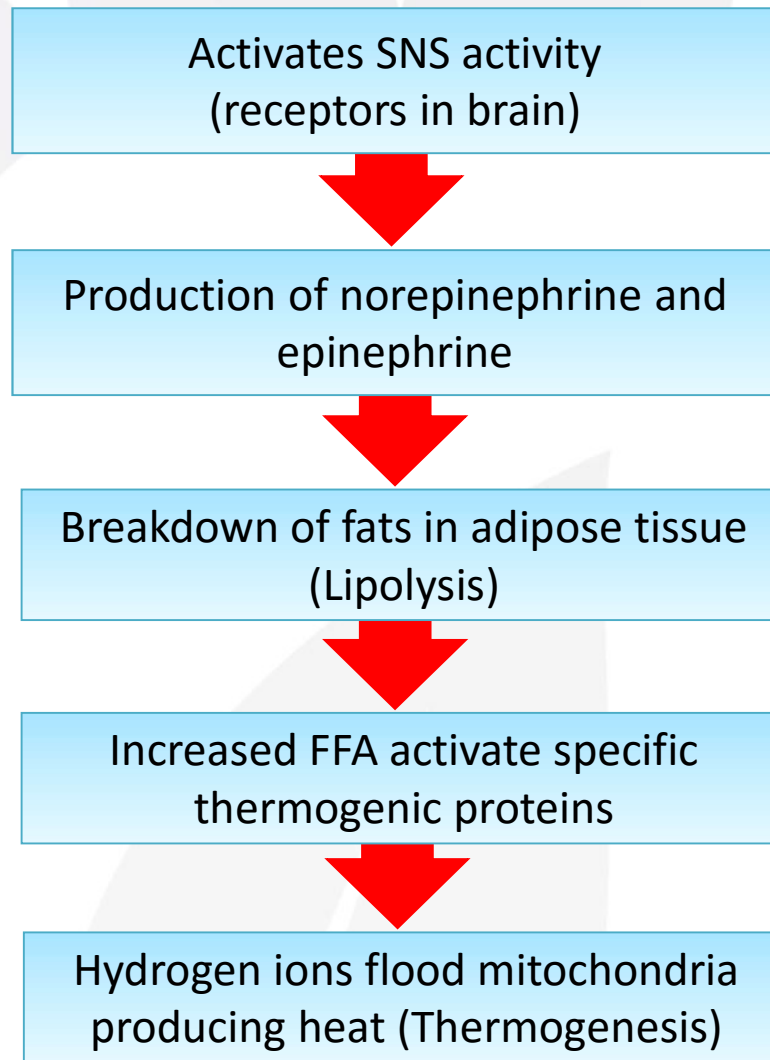
But the problem with capsaicinoids is delivery -

- With Omniactive patented Omnibead coating technology you can enjoy the benefits of capsaicinoids without any burn :



For representative purposes only

Capsacinoids 101 – Mechanism of Action



Study Findings Summary (Human CTs): Capsimax Sports Nutrition End Points (Ingredient alone and in combination)

End points	Capsimax Effects
Workout Intensity During Exercise ¹	↑
Plasma Free Fatty Acids ²	↑
Glycerol ²	↑
Energy expenditure ³	↑
REE for four hours post-ingestion while supporting increased focus, alertness, and energy as well as decreasing fatigue ⁴	↑
Calorie burn ⁴	↑
Metabolic rate ⁵	↑
Waist to Hip Ratio ⁶	↓
Appetite ⁶	↓

1. Open label study, FASEB J 2016, 30(1): LB226
2. Bloomer et al. Lipids Health Dis. 2010 Jul 15;9:72
3. Ryan et al. J Strength Cond Res. 2009 May;23(3):807-17.
4. J Int Soc Sports Nutr. 2013 Apr 30;10(1):25.
5. J Strength Cond Res. 2014 Aug;28(8):2154-63
6. UMHB study randomized double blinded placebo control (under publication CONFIDENTIAL)

Capsimax supports energy production for the active lifestyle user

- Just 2 mg capsaicinoids from **Capsimax**
 - Helps maintain healthy metabolic rate
 - Supports the mobilization of fats for energy production
 - Helps promote thermogenesis
 - Promotes healthy body composition
 - Helps promote satiety to reduce your hunger



A large, light gray, stylized sunburst or fan-like graphic composed of several curved segments radiating from the center, serving as a background for the text.

Thank you

For more information, please visit us at

www.omniactives.com