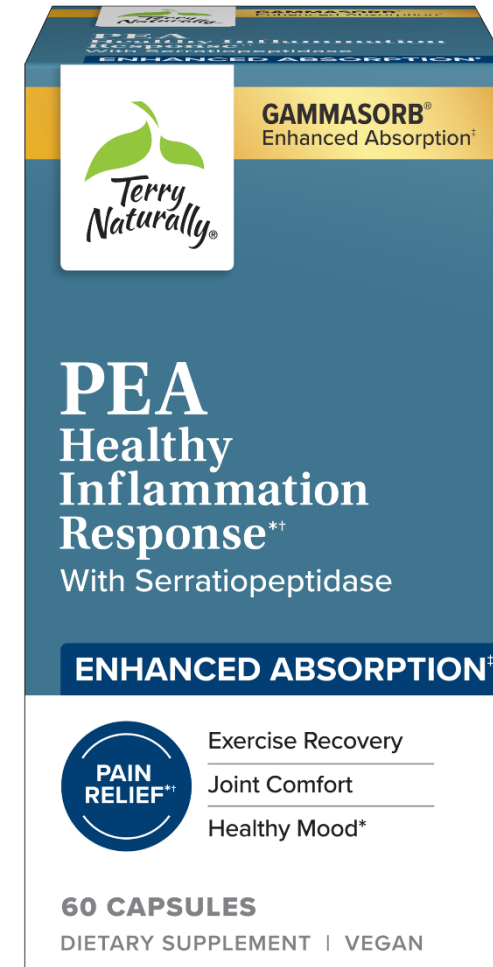


# PEA & Serratiopeptidase



# What is PEA?

- Palmitoylethanolamide, not green pea
- Naturally synthesized in the body – found in all tissues including the brain
  - In foods, found in egg yolks and peanuts
- In the scientific literature, PEA is sometimes described as **protecting health**
- PEA
  - Supports a healthy inflammation response†
  - Relieves pain†
  - Protects cells against free radical damage
  - Supports the immune system\*

† Occasional muscle pain or inflammation due to exercise or overuse

\*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

# PEA is the Team Captain

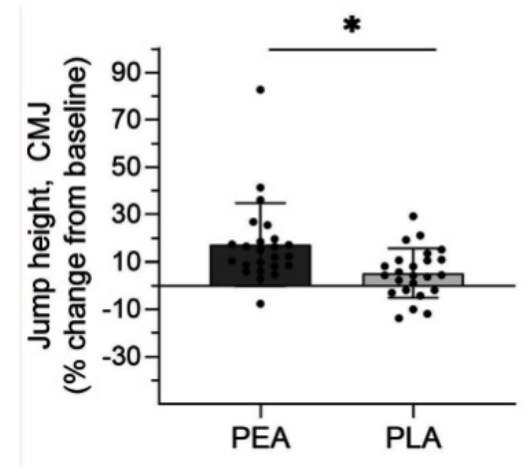
PEA is like the team captain – it can play all the positions, but it can also help guide players on both offense and defense to help them perform at their best!



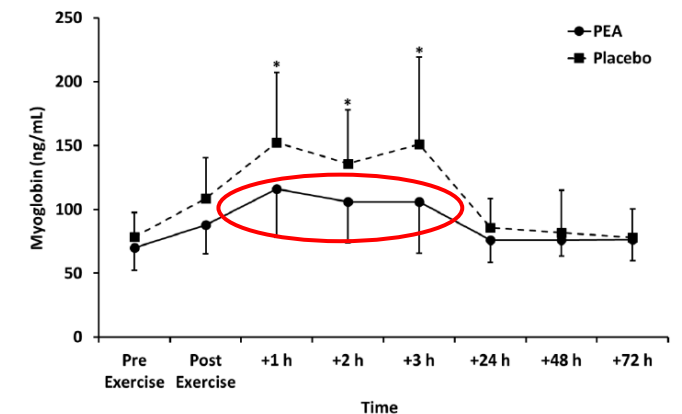
# PEA and Athletes

- PEA reduces pain and activates muscle protein synthesis\*†
  - Allows exercise to be maintained at a higher intensity for a greater length of time

Increased lower body power versus placebo (PLA)



Decreased myoglobin, a marker of muscle damage



† Occasional muscle pain or inflammation due to exercise or overuse

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# Serratiopeptidase

- Proteolytic enzyme from silkworms
- Used in Japan for health benefits since the 1950s
  - Helps break down protein
  - Supports a healthy inflammation response†
  - Relieves pain†
  - Supports circulation and a healthy blood clotting response\*

† Occasional muscle pain or inflammation due to exercise or overuse

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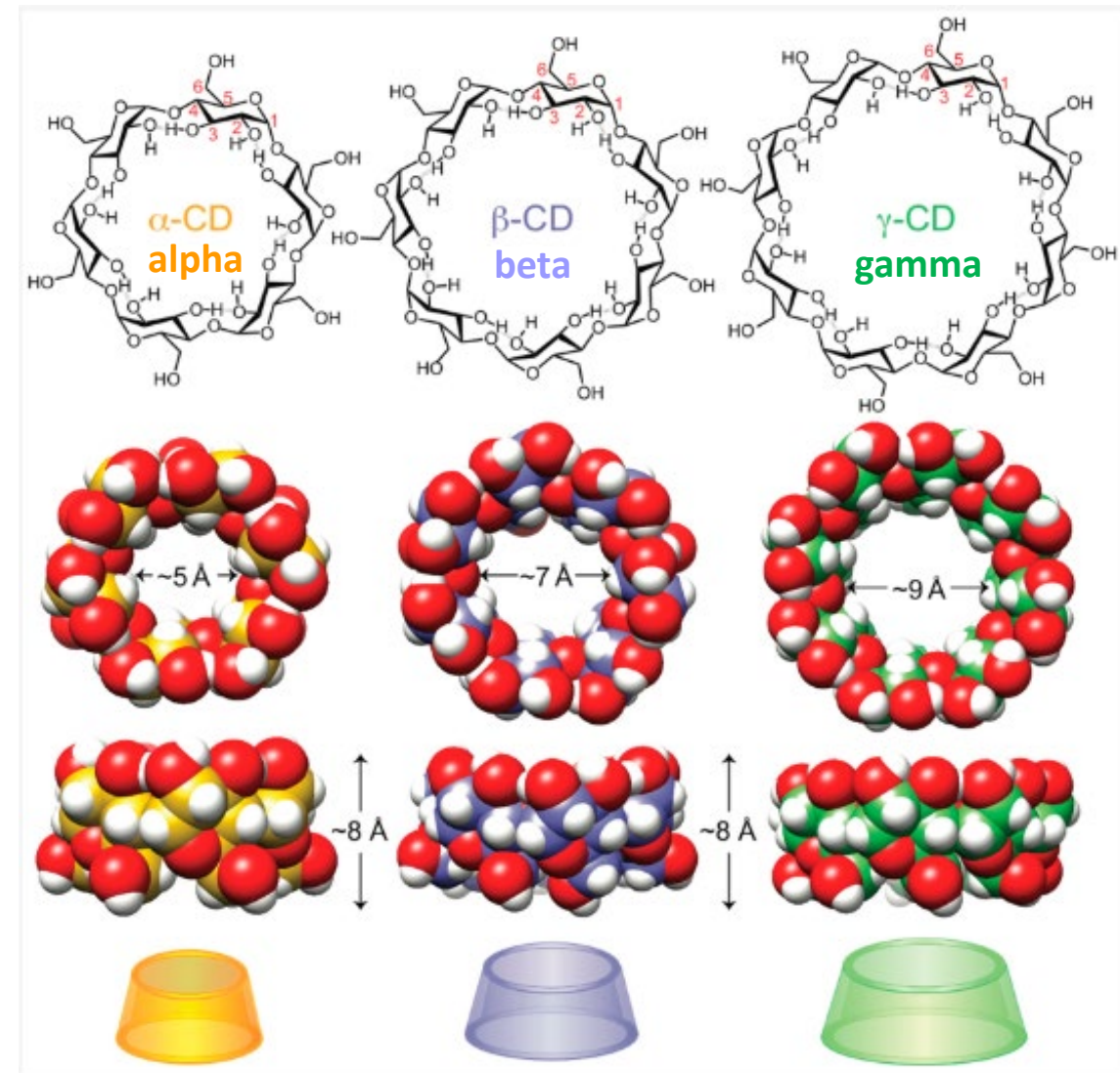
# Gamma cyclodextrin

# PEA Absorption and Bioavailability...

- Poorly water soluble with limited absorption and bioavailability
- Does have the ability to cross the blood/brain barrier
- Short half-life
- As a lipid, ideal for partnering with gamma cyclodextrin to boost absorption

# How Does it Work?


- Gamma cyclodextrin is the largest (biggest size) and the newest of the cyclodextrins used for pharmaceuticals and supplements
  - Supplement nutrients are larger than drugs so choose the largest cyclodextrin
  - Not just for increasing absorption
    - also ideal for improving taste (masks the taste) and stability
  - Stabilizes active material (half life and shelf life)






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# GAMMA CYCLODEXTRIN

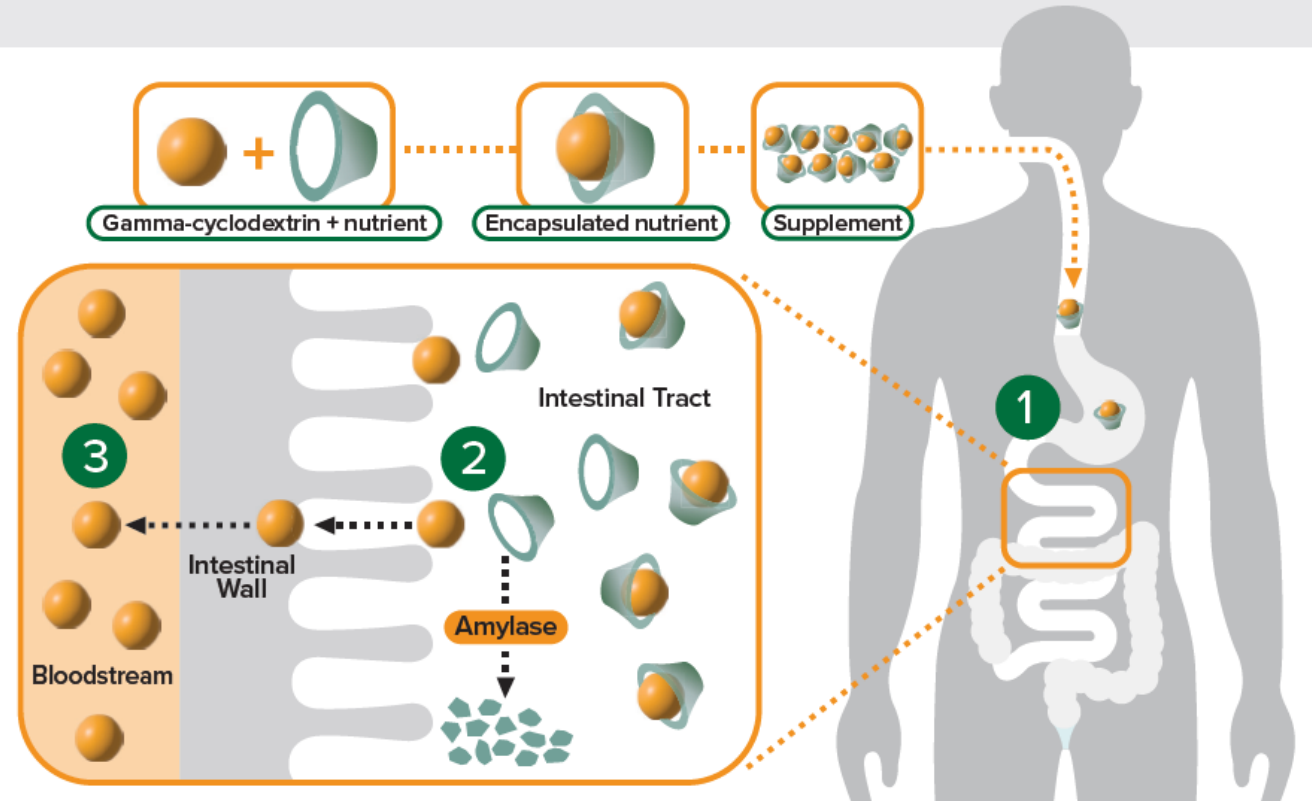
Helping Hard to Absorb Nutrients Achieve Their Full Potential



Discover how this plant-based innovation is making supplements more powerful and effective than ever before!

In-Depth Booklet Series

## HOW CYCLODEXTRINS WORK IN THE BODY



- 1** In a dietary supplement, the nutrient/ cyclodextrin combination travels through the stomach and into the intestinal tract.
- 2** Once in the intestines, the nutrient—and only the nutrient—is absorbed through the intestinal walls, while the gamma cyclodextrin is broken down by amylase.
- 3** This delivery system greatly increases the absorption of nutrients. In fact, in the case of CoQ10, it improves absorption by 8 times compared to standard forms, and has the potential to enhance the effectiveness of many other hard-to-absorb nutrients, too.

# PEA



- Combination of ingredients for an active life
  - PEA (palmitoylethanolamide) shown in clinical studies to relieve pain
  - Serratiopeptidase reduces inflammation
- Together, provide support for
  - Mobility and joint health
  - Mood
  - Exercise recovery
  - Microcirculation
  - Mental function and cognitive health
- Featuring GammaSorb for enhanced absorption

Recommendations: 1 or 2 capsules daily.

† Occasional muscle pain or inflammation due to exercise or overuse

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## SUPPLEMENT FACTS

Serving Size: 2 Capsules

Servings Per Container: 30

Amount Per 2 Capsules (Veg):		%DV
Palmitoylethanolamide (PEA)	600 mg	**
Serratiopeptidase	20 mg	**

\*\*Daily Value (DV) not established.