

## L-Theanine SR

Secure Release



Brain Health +  
Relaxation Support\*

### What Is It?\*

L-Theanine SR is specially formulated with SmartMatrix<sup>TM</sup> secure release tablet technology to gradually deliver L-Theanine over several hours. The tablet releases up to 40% quickly for immediate support, while the remaining 60% is released slowly to provide longer-lasting effects.

### Product Availability

Bottle Size(s):  
– 200mg, 90 tablets  
– 400mg, 90 tablets

**Suggested Use:** As a dietary supplement for adults, take one (1) tablet daily with food or as directed by your healthcare professional.

**Other Ingredients:** Vegetable wax (rice bran and/or carnauba), stearic acid (vegetable), magnesium stearate (vegetable), and silica.

### How Does It Work?\*

Since L-Theanine has a similar structure to glutamate and can bind to glutamate receptors in the brain, researchers believe this is the main action responsible for its ability to help the body manage stress and reduce its negative effects.<sup>1</sup>

After ingestion, L-Theanine has the ability to cross the blood brain barrier from 30 minutes up to 5 hours. In the brain, L-Theanine is reported to exert its calming effect by several actions:<sup>2</sup>

- Modulating neurotransmitter activity: L-Theanine may influence the transport and activity of glutamine and glutamate, key neurotransmitters involved in mental alertness and calmness.
- Interacts with brain receptors: L-Theanine can interact with certain glutamate receptors in the brain, which may help promote a calm and relaxed mental state.
- Supports the growth of new brain cells: L-Theanine may help support neurogenesis. Stress can reduce the growth of new brain cells, but L-Theanine has been shown to help support neurogenesis.

### Supplement Facts

Serving Size 1 Tablet

Amount Per Serving	% DV
L-Theanine (Suntheanine <sup>®</sup> )	200 mg *

\* Daily Value (DV) not established.

### Supplement Facts

Serving Size 1 Tablet

Amount Per Serving	% DV
L-Theanine (Suntheanine <sup>®</sup> )	400 mg *

\* Daily Value (DV) not established.

This information is for healthcare professionals only to inform patient treatment and is not intended for consumer use.

\*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.

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Page 1 of 2

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## Research Highlights\*



### Promotes Calm, Relaxation

Typical Dosage 200–400 mg/day

Randomized, double-blind, placebo-controlled trials indicate L-Theanine helps reduce stress and promotes a positive mood. Effective amounts include both a single dose (200 mg)<sup>3,4</sup> and 200–400 mg/day for up to 4 weeks.<sup>5,6,7</sup>



### Supports Cognitive Function

Typical Dosage 100–200 mg/day

Randomized, placebo-controlled clinical trials indicate a single dose of L-Theanine (100–200 mg) supports optimal cognitive function in healthy adults, including promoting optimal reaction times in attention tasks in healthy young adults;<sup>8</sup> visual attention and reaction time in healthy adults under stress;<sup>9</sup> and attention, working memory, and executive function in middle-aged and older adults.<sup>10</sup>



### Promotes Sleep Quality

Typical Dosage 100–400 mg/day

A recent meta-analysis<sup>11</sup> of 18 clinical trials found L-theanine promotes overall sleep quality, including the ability to fall asleep quickly and reduced daytime sleepiness. Most studies used 100–400 mg/day, most often 200 mg/day. L-Theanine was typically taken 30–60 minutes before bedtime, either as a single dose or daily for several weeks.

## Ingredient Spotlight: Suntheanine® L-Theanine

*Suntheanine*®

### High Purity

The patented fermentation process yields no less than 98% L-isomer, ensuring a reliable and effective standardized ingredient.

### Robust Research Portfolio

Supported by extensive research, including clinical trials, animal safety studies, and mechanism of action investigations.

### Excellent Safety Profile

FDA Generally Recognized As Safe (GRAS) status and approvals by international food authorities underscore its strong safety profile.

SmartMatrix is a trademark of Innovite, Inc. Suntheanine® is a registered trademark of Taiyo International, Inc.

## References

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Page 2 of 2

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