BACOGNIZE® CLINICAL FACTS:

- **4+ STUDIES IN HUMANS**[1,3,7,**]
- **300-600 MG/DAY**
- **STUDIED IN MULTIPLE POPULATIONS**
  Young adults (medical students 19-22yrs)[1]
  Older adults (60-65yrs)[3]
- **3+ MECHANISTIC STUDIES**[2,5,7]
- **THIRD-PARTY CERTIFICATIONS:**
  Non-GMO Project Verified, Certified Glyphosate Residue Free, Kosher, Halal, and more*
- **TRACEABLE / SUSTAINABLE SUPPLY CHAIN SECURITY**[8]
  Promoting long-term relationships, living wages, and clean labels
- **FUNCTIONAL SUPPORT POTENTIAL:**
  Working memory, mood, focus, cognitive wellbeing, healthy brain aging, cognitive processing speed, learning, recall, logical memory, concentration, improved sleep quality, language comprehension, spatial memory, attention, freedom from distractibility, improvements in orientation, emotional balance, and more*

28% 28% increase in nonsense syllables, indicating improved recognition & subtle differences in memory abilities[1]

53% 53% improvement immediate recall of logical material and language comprehension[1]

30% 30% increase in mood & emotional wellbeing from baseline in healthy older adults at 300mg/day[9]

85% 85% of measures for cognition in healthy older subjects showed improvements in mean scores[9]

BACOGNIZE® FOR MEMORY, FOCUS, MOOD, AND SLEEP SUPPORT - A ROBUST NOOTROPIC

The serotonergic system plays a key role in regulating mood, cognitive function, sleep, memory and more.[6] Bacognize® has been shown to be two times more active on the serotonergic receptor site 5HT1a over 5HT2a; however, it has shown activity on both receptor sites[2]. This activity allows for serotonin to circulate in synapse longer, which may contribute to the functional support potential of Bacognize® extract. This circulation of serotonin supported by Bacognize® may promote healthy sleep cycles, regulate mood, improve working memory, maintain focus, and reduce distractibility.[2**]













MEMORY & MOOD SUPPORT

Experts agree that "to properly regulate serotonin, proper regulation of cyclic AMP (cAMP) is also necessary," specifying that "in many cases a decrease in cAMP is needed to maintain normal function of the serotonin system."[2] Bacognize® decreases cAMP production, allowing serotonin to circulate longer than it might otherwise. This may play a role in bacopa's memory and mood promoting activities.[2]

ATTENTION & FOCUS SUPPORT

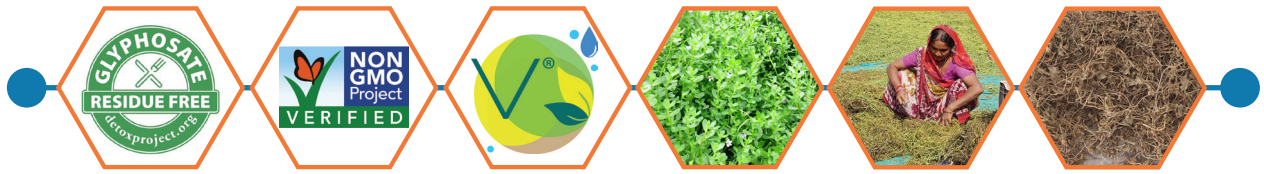
Research shows *Bacopa monnieri* may increase acetylcholine which could promote memory, learning, attention, and higher-order cognitive processing.[4]

EMOTIONAL BALANCE & HEALTHY SLEEP

Bacopa helps modulate GABA, an inhibitory neurotransmitter, which blocks certain brain signals and decreases activity in the nervous system. Mediating over-excitation of GABA results in a calming effect that may promote emotional balance, reduce stress, and increase overall mood.[4]

NOOTROPIC SUPPORT

Bacognize® has shown anti-glycative activity, known to inhibit the formation of AGEs which can lead to neuronal dysfunction.[5] Research suggests Bacognize® has shown positive outcomes for learning, emotional balance, and memory, as well as long-term cognitive vitality and function not only through its anti-glycative properties, but also serotonin regulation.[1-5,7**]



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vs-corp.com
+1.317.776.3600

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*Including but not limited to
**See all references at marketing.vs-corp.com/bacognize-science. *Not an exhaustive list of references or clinical trials.*

Please note that the physiological activity of the ingredient(s) described herein is supported by the referenced clinical trial report(s). Marketers of finished products containing the ingredient(s) described herein are responsible for determining whether claims made for such products are lawful and in compliance with the laws of the country in which they will market the products.

These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.