

Alpha GABA PM

Researched blend of botanicals and 400 mg of L-theanine shown to induce calming brain waves and naturally improve sleep during times of stress*

Patient Profile[†]

- □ Can't turn off the mind*
- □ Constantly feeling mentally engaged*
- Ruminating thoughts at bedtime*
- □ Need to mentally "downshift"*

Key Ingredients

L-theanine	 Amino acid that acts as a glutamate receptor antagonist^{1*} L-theanine has been linked to the generation of alpha brain waves, indicating a state of relaxation^{2*}
Melatonin	 Hormone important for the regulation of the sleep-wake cycle^{3*} Supplementation with melatonin has been shown to improve the onset of sleep^{4*}
Valerian (Valeriana officinalis) root extract (Valerenic acids 0.8%) (Micro-encapsulated)	 Both <i>in vitro</i> and <i>in vivo</i> studies demonstrate valerian extracts modulate GABA-A receptors^{5-8*} Micro-encapsulation reduces valerian root odors
Lemon balm (Melissa officinalis) leaf extract	 Botanical shown to inhibit the enzyme GABA transaminase, which may increase levels of GABA in the brain^{9*} Contains rosmarinic acid, shown to normalize GABA and glutamate activity altered by stress when combined with valarian root.^{10,11*}
5-HTP (from Griffonia simplicifolia seed extract)	 5-hydroxytryptophan (5-HTP) crosses the blood-brain barrier and is a precursor to serotonin and melatonin¹² Serotonin is important for regulating mood and sleep-wake function¹³



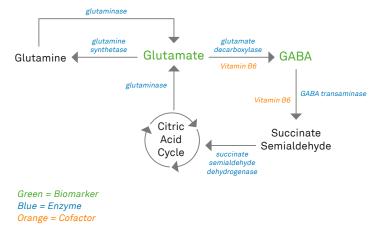
The Science

GABA

GABA is the primary inhibitory neurotransmitter in the brain¹⁴

GABA is important for **calm** and **sleep**^{15,16}

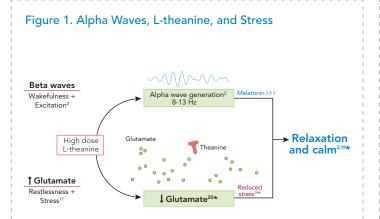
GABA Pathway



⁺ Symptom depictions represent a possible presentation based on scientific information and claims found on this sheet, references provided on reverse.

*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.

MORE SCIENCE BEHIND ALPHA GABA PM



High-dose L-theanine as a new approach

Alpha brain waves are naturally generated when an individual is calm and relaxed²

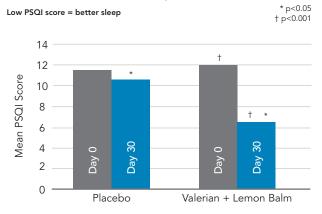
- In a placebo-controlled study, impactful amounts of L-theanine were shown to induce the generation of alpha brain waves in groups both with and without stress (Figure 1.)^{2*}
- Melatonin has been shown to rapidly increase alpha brain waves^{18*}

In a randomized, double-blind, placebo-controlled study, L-theanine intake led to significantly reduced stress^{19*}

L-theanine binds to receptors, blocking the attachment of glutamate, and at doses of 250 mg or more, lowers glutamate levels (Figure 1.)1,20*

Alpha GABA PM contains 400 mg of L-theanine and 3 mg of melatonin per serving to effectively calm the mind for sleep^{1,2,4}*





Proven sleep botanicals

In a randomized, triple-blind, placebo-controlled, 30 day study, valerian and lemon balm extracts together significantly improved quality of sleep as measured by the Pittsburgh Sleep Quality Index (PSQI) (Figure 2.)²¹*

Alpha GABA PM contains a blend of botanical extracts identical to the above study to naturally improve quality of sleep^{21*}

A combination of valerian root and lemon balm was shown to significantly increase brain concentrations of GABA in vivo22*

- Proprietary extracting technique of whole lemon balm leaf provides improved mechanism capability*
- Valerian and lemon balm are naturally GABAergic botanicals^{21,22*}

Alpha GABA PM contains proprietary whole lemon balm leaf extract and micro-encapsulated valerian root to improve onset and quality of sleep^{21,22*}



Supplement Facts erving Size: 2 Capsules ervings Per Container: 3

Proprietary Blend 530 mg Valerian extract (Valeriana officinalis) (root) (0.8% valerenic acids), Lemon ba extract (*Melissa officinalis*) (leaf), and 5-hydroxytrytophan (from *Griffonia simplicitolia* seed extract).

† Daily Value not established.

Other ingredients: Vegetable capsule

(hypromellose, water), organic rice concentrate,

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% Daily Value

400 mg 3 mc

Amount Per Serving

-theanine

Item Number	Available Sizes	Serving Size
20042	60 Capsules	2 Capsules

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- Kakuda T, et al. Biosci Biotechnol Biochem. 2002;66(12):2683-86. Juneja L, et al. Trends Food Sci Tech. 1999;10:199-204. Pandi-Perumal S, et al. Prog Neurobiol. 2008;85(3):225-53. Kunz D and Mahlberg R. J Sleep Res. 2010;19(4):591-6. Benke D, et al. Neuropharmacology. 2009;56(1):174-81. Khom S, et al. Br J Pharmacol. 2010;17(4):174-81. Murphy K, et al. Phytomedicine. 2010;17:674-8. Becker A, et al. BMC Complement Altern Med. 2014;14:267. Awad R, et al. Med J Nutrition Metab. 2011;4(3):211-8. Ibarra A, et al. Phytomedicine. 2010;17(6):397-403.

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- 14. 15.
- Shaw K, et al. Cochrane Database Syst Rev. 2002;(1):CD003198. Monti J. Sleep Med Rev. 2011;15(4):269-81. Gou Z, et al. Dongwuxue Yanjiu. 2012;33(E5-6):E75-81. Mohler H. Neuropharmacology. 2012;62(1):42-53. Saper C, et al. Nature. 2005;437(7063):1257-63. Bermudo-Soriano C, et al. Pharmacol Biochem Behav. 2012;100:752-774. Cajochen C, et al. Neuroscience Letters. 1996;207:209-213. Kimura K, et al. Biol Psychol. 2007;74(1):39-45. Ota M, et al. Acta Neuropsychiatrica.2015;22:291-296. Taavoni S, et al. Compl Thera Clin Pract. 2013;19:193-6. Scaglione F and Zangara A. J Sleep Discord Manag.2017;3:016. 16 17 18 19

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