

GABA Trex and SeroTrex

Chewable tablets containing L-theanine, an amino acid shown to reduce stress, promoting balance*

Item Number	Product	Available Sizes	Serving Size
20025	GABA Trex	60 Tablets 2	2 Tablets
20026	SeroTrex		Z lablets



Key Ingredients

L-theanine

(GABA Trex and SeroTrex)

- Amino acid that acts as a glutamate receptor antagonist for balanced activity^{1*}
- Data shows L-theanine reduces feelings of stress, supporting balance^{2*}
- In individuals 8-12 years of age, L-theanine has been shown to increase the number of healthy nights with restful sleep and reduce nocturnal motor activity for balance^{3*}

5-HTP (from *Griffonia* simplicifolia seed extract) (SeroTrex)

- 5-hydroxytryptophan (5-HTP) crosses the blood-brain barrier and is a precursor to serotonin and melatonin⁴
- Serotonin is import for regulating mood and a balanced sleep-wake function⁵

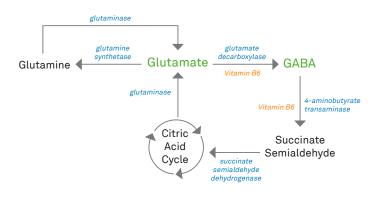
The Science

Glutamate

The primary excitatory neurotransmitter in the brain⁶

 Glutamatergic signaling underlies functions related to anxiousness and stress⁷

GABA Pathway

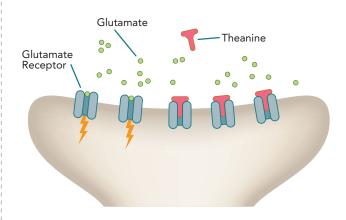


Green = Biomarker Blue = Enzyme Orange = Cofactor

*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 GABA TREX AND SEROTREX

Figure 1. L-theanine and Glutamate Receptors



Glutamate, anxiousness, and stress

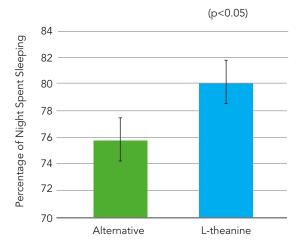
Fluctuations in glutamate activity are associated with anxiousness and stress⁷

- Stress activates the hypothalamus-pituitary-adrenal (HPA) axis which releases glucocorticoids that affect brain function8
- Data shows that the healthy brains of both pediatric and geriatric populations are particularly susceptible to stress8

L-theanine acts as a glutamate receptor antagonist for balanced activity1*

L-theanine binds to glutamate receptors (AMPA, kainate, and NMDA receptors) and blocks the binding of glutamate to its receptors to promote balance1*

Figure 2. Sleep Efficiency



L-theanine improves healthy sleep efficiency

Data on the effects of L-theanine revealed

- In individuals 8-12 years old, servings of L-theanine (200mg) twice daily (morning and afternoon) increased healthy sleep efficiency (percentage of night spent sleeping restfully) and reduced nocturnal motor activity, supporting balance3*
- In adults, a single serving of L-theanine (200mg) reduced feelings of stress under mental strain and promoted balance^{2*}

GABA Trex





SeroTrex



Supplement Facts Serving Size: 2 Tablets Servings Per Container: 30			
Amount Per Serving	% Daily Value		
Calories	5		
Total Carbohydrate	2 g <1%*		
Total Sugars	0 g †		
Xylitol	2 g †		
L-theanine	200 mg †		
5-hydroxytryptophan (from <i>Griffonia simplicifo</i>	60 mg † lia seed extract)		
* Percent Daily Values are calorie diet. † Daily Value not establish	ed.		
Not a significant source of	added sugars.		
Other ingredients: Stearic a magnesium stearate, natur stevia extract (Stevia rebau (Rebaudioside A).	al orange flavor, and		
Distributed by:	Osceola, WI 5402		
NeuroScience*	+1-888-342-727		



Stay focused

Learn more about Focus DL at www.neuroscienceinc.com/products/focus-dl



- Kakuda T, et al. Biosci Biotechnol Biochem. 2002;66(12):2683-2686. Kimura K, et al. Biol Psychol. 2007; 74(1):39-45. Lyon MR, et al. Alt Med Rev. 2011;16(4):348-54. Shaw K, et al. Cochrane Database Syst Rev. 2002;(1):CD003198. Monti J. Sleep Med Rev. 2011;15(4):269-81. Meldrum BS. J Nutr. 2000;130(4S Suppl):1007S-15S. Bermudo-Soriano C, et al. Pharmacol Biochem Behav. 2012;100:752-774. Lupien SJ, et al. Nat Rev Neurosci. 2009;10:434-45.

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