

Product Information Request ID #38357788

Healthcare Provider:
 NeuroScience
 373 280th Ave
 Osceola, Wisconsin 54020

Requested for:
 Sex: Female
 Age: 22



Pathways

GABA
 Glutamate
 Serotonin
 Taurine

Dopamine
 Epinephrine
 Histamine
 Norepinephrine
 Cortisol

Dopamine
 Epinephrine
 Norepinephrine

Serving Size



Suggested Use***

Take 1-3 capsules one to two times daily or as directed by your healthcare provider

Take 1-3 capsules one to two times daily or as directed by your healthcare provider

Take 1-2 capsules one to two times daily or as directed by your healthcare provider

Additional Information

Contains a blend of ingredients shown to improve mood and reduce stress*

Product Alternative: SeroTrex chewable tablets

Contains non-glandular ingredients important for adrenal health and reducing stress-induced fatigue*

Product Alternative: TyroCelle or Calm PRT

Contains ingredients important for the synthesis of dopamine, a catecholamine important for positive affect, mood, cognition, and craving control*

Notes

***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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Key Ingredients

TravaCor

Taurine

Neuroprotective amino acid that provides antioxidant protection and demonstrates GABA-A agonist activity.^{1-3*} GABA is the primary inhibitory neurotransmitter in the brain important for calm and sleep.⁴⁻⁶

L-theanine

Amino acid that acts as a glutamate receptor antagonist.^{7*} Glutamatergic signaling underlies mechanisms related to anxiousness and stress.⁸ In a randomized, double-blind, placebo-controlled study, L-theanine was shown to significantly reduce stress.^{9*}

5-HTP (from Griffonia simplicifolia seed extract)

5-hydroxytryptophan (5-HTP) crosses the blood-brain barrier and is a precursor to serotonin and melatonin.^{10*} Serotonin is important for regulating mood and sleep-wake function.¹¹ In a randomized, double-blind study, 5-HTP was shown to significantly improve mood.^{12*}

AdreCor

L-methionine

Precursor to S-adenosyl-L-methionine (SAME).¹ SAME is directly involved in methylation processes including catecholamine synthesis.²

L-tyrosine

Precursor to catecholamines including dopamine, norepinephrine, and epinephrine.

Rhodiola rosea root extract (5% rosavins)

Adaptogen that has been shown to reduce stress-induced effects.^{3,4*} In a randomized, double-blind, placebo-controlled study, *Rhodiola rosea* was shown to significantly improve mental fatigue and general well-being under stress.^{4*}

Green tea leaf extract (Camellia sinensis) (65% EGCG)

Epigallocatechin gallate (EGCG) is a polyphenol in green tea that provides antioxidant protection by its ability to scavenge free radicals and metal ions.^{5*}

Balance D

N-acetyl-L-cysteine

Precursor to L-cysteine.¹ L-cysteine is required for the synthesis of glutathione, an endogenous antioxidant.²

N-acetyl-L-tyrosine

L-tyrosine is a precursor to catecholamines including dopamine, norepinephrine, and epinephrine.³

Mucuna cochinchinensis seed extract (99% L-DOPA)

Natural source of L-DOPA.⁴ L-DOPA crosses the blood-brain barrier and is the direct precursor to dopamine.⁵

References

TravaCor

1. Kumari N, et al. *Adv Exp Med Biol*. 2013;775:19-27.
2. Shimada K, et al. *Adv Exp Med Biol*. 2015;803:581-96.
3. Kletke O, et al. *PLoS One*. 2013;8(4):e61733.
4. Gou Z, et al. *Dongwuxue Yanjiu*. 2012;33(E5-6):E75-81.
5. Mohler H. *Neuropharmacology*. 2012;62(1):42-53.
6. Saper C, et al. *Nature*. 2005;437(7063):1257-63.
7. Kakuda T, et al. *Biosci Biotechnol Biochem*. 2002;66(12):2683-2686.
8. Bermudo-Soriano C, et al. *Pharmacol Biochem Behav*. 2012;100(4):752-74.
9. Kimura K, et al. *Biol Psychol*. 2007; 74(1):39-45.
10. Shaw K, et al. *Cochrane Database Syst Rev*. 2002; (1):CD003198.
11. Monti J. *Sleep Med Rev*. 2011;15(4):269-81.
12. Jangid P, et al. *Asian J Psychiatr*. 2013;6(1):29-34.

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AdreCor

1. Duncan T, et al. *Mol Nutr Food Res*. 2013;57(4):628-36.
2. Mischoulon D and Fava M. *Am J Clin Nutr*. 2002;76(5):1158S-61S.
3. Chiang H, et al. *J Food Drug Anal*. 2015;23(3):359-69.
4. Spasov A, et al. *Phytomedicine*. 2000;7(2):85-9.
5. Legeay S, et al. *Nutrients*. 2015;7(7):5443-68.

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Balance D

1. Rushworth G and Megson I. *Pharmacol Ther*. 2014;141(2):150-9.
2. Schmitt B, et al. *Redox Biol*. 2015;6:198-205.
3. Ng J, et al. *Nat Rev Neurol*. 2015;11:567-84.
4. Tuleun C, et al. *Livestock Research for Rural Development*. 2008;20(10).
5. Pridridge W. *NeuroRx*. 2005;2(1):3-14.

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***Do not exceed suggested use

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