

# WEEKLY PRODUCT FEATURE

# NeuPerzine®



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Vastly complex, the human nervous system coordinates innumerable processes via a host of chemical messengers called neurotransmitters. Neurotransmitters are used for everything from signaling the heart and lungs to function, to enabling the body to sleep so regeneration and repair can occur. Emotions, affect, mood, appetite, and even energy levels are also regulated by neurotransmitters. Unfortunately, neurotransmitters operate within a very narrow confine, and their balance can be easily disrupted by a variety of factors including genetics, immune function, diet, stress, and general chemical toxicity. **NeuPerzine®** contains huperzine A, a powerful acetylcholinesterase inhibitor which makes acetylcholine more readily available in the brain, and according to published research, can enhance memory. **NeuPerzine®** contains a natural sesquiterpene alkaloid compound extracted from the *Huperzia serrata* plant. This natural compound has been shown to enhance memory in students<sup>1</sup>, while pharmaceutical derivatives of this natural compound are currently under study for the treatment of Alzheimers<sup>2</sup>. In fact, huperzine A compares favorably to synthetic acetylcholinesterase inhibitors in use, with the additional benefit of being an antioxidant and neuroprotective. It has been found to be protective against beta amyloid-mediated oxidative stress and apoptosis. It supports general cognition, global clinical status, behavioral disturbance and functional performance. Once again, Biotics Research brings to you supplements representing “*The Best of Science & Nature*”.



1. Sun, QQ; Xu, SS; Pan, JL; Guo, HM; Cao, WQ (1999). “Huperzine-A capsules enhance memory and learning performance in 34 pairs of matched adolescent students.”. *Zhongguo yao li xue bao = Acta pharmacologica Sinica* 20 (7): 601–3

2. Shulgina GI (1986). “On neurotransmitter mechanisms of reinforcement and internal inhibition”. *Pavlov J Biol Sci* 21 (4): 139–40

## Research Pertaining to Other Topics of Interest

*Specific nutrient combination lowers blood pressure (BP) in hypertensive patients.* A randomized, double blind, placebo controlled clinical trial of hypertensive patients was led by Dr. Mark Houston, Director of the Hypertension Institute in Nashville, and Associate Clinical Professor of Medicine at Vanderbilt University School of Medicine, and funded by Biotics Research Corporation. Study participants were directed to maintain their normal daily habits including dietary, exercise, and caffeine, tobacco and alcohol use. The active groups consumed a dietary supplement each day which consisted of a specific blend of nutrients. At week four of the study, the active group’s average systolic BP was lowered from 144.01 mm Hg to 128.05. Their diastolic BP was lowered from 91.81 to 80.51. According to author William Sparks, Vice President of Biotics Research, “Certain nutrients regulate the expression of Nitric Oxide by Nitric Oxide Synthase, while other nutrients impact BP via other mechanisms.”

Houston MC, Sparks WS. Combination Nutraceutical Supplement Lowers Blood Pressure in Hypertensive Individuals. *Integrative Medicine*. Vol. 12, No. 3. June 2013

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.