Complete glandular & nutritional formula to support brain function

- This formula is made from superior ingredients with quality control to ensure optimal potency, purity, and safety.*
- Brain Neuro Medulla Complex supplies a proprietary blend of pristine New Zealand bovine medulla oblongata, cerebellum, brain stem, pons, hypothalamus, thalamus, mesencephalon, pituitary gland, pineal gland, and papez circuit.
- The animal materials provided in this formula are derived from free range, hormone-free, and pesticide-free sources.
- The Brain Neuro Medulla Complex aims to support those specific areas of the brain represented in the formula and optimize their functioning.*
- The Amino Acid Complex supplies an array of amino acids, also known as the building blocks of protein and are utilized by the nervous system to manufacture neurochemicals called neurotransmitters.
- The other nutrients and herbs provided in NEURO MEDULLA COMPLEX support neurotransmitter production and blood flow to the brain.*

About Glandular Supplements

The brain extracts in this product belong to a class of supplements called "glandulars." Glandulars have a long history of use in medicine. As Elson Haas, M.D. writes, "In modern medicine, glandular therapy with the use of whole glands began in the late nineteenth century when doctors suggested that their patients eat the animal parts, usually from cows, that corresponded to the weak areas of their own bodies. As a result, people began eating brains, hearts, kidneys, and so on as part of their medical treatment. In fact, the ancient Greeks and Egyptians used glandular therapy, following their basic premise that 'like heals like.' Technology and medical endocrinology evolved this therapy by isolating specific hormones and peptides as the source of the glands' activities. These new drugs are more potent than consuming the gland as food or in supplement form, but they also have more potential for dangerous side effects than the whole glands."

Brain anatomy and the applications of NEURO MEDULLA COMPLEX™

This formula is intended to support regions of the brain represented by the purified glandular tissues in the product.* The hypothalamus secretes hormones that control the pituitary gland. Supplementing with hypothalamus is thought to help not only pituitary health but also may help anxiety.* The pituitary gland is composed of 2 sections, anterior and posterior, and it secretes a myriad of hormones: growth hormone which targets the musculoskeletal system, TSH which controls the thyroid gland, ACTH which modulates adrenal function, and MSH which oversees melanocytes and affects skin, hair, and the eyes. The pituitary gland also produces prolactin, FSH, and LH which are involved in the complex interplay of sex hormones that govern menstruation, ovulation, and lactation in women and gonadal function in men.

The posterior pituitary stores and secretes oxytocin which plays a role in birth and lactation, along with vasopressin (antidiuretic hormone) which helps maintain water concentration in body fluids. The mysterious pineal gland is situated in the center of the brain between the right and left hemispheres. This tiny gland, which is about the size of a grain of rice, is composed of pinealocytes, neuroglial cells, postganglionic fibers and vasculature. The pineal gland’s main hormone, melatonin, exerts a powerful influence on chronobiological rhythms, growth, and sexual maturation. The lower areas of the brain such as the medulla, pons, thalamus, cerebellum, amygdala, mesencephalon, and hypothalamus control subconscious activities like arterial pressure, respiration, equilibrium control, feeding reflexes, sensations of pain and pleasure, and emotional reactions such as anger and sexual response.

FORMULA AND MATERIA MEDICA REFERENCE

Niacinamide, or vitamin B3, has been thoroughly studied for its ability to improve cholesterol levels. Niacin should always be taken with food to mitigate the flushing sensation that can sometimes occur in higher doses. B3 and Zinc help drive the biochemical pathway which results in serotonin. Serotonin is a neurotransmitter, a natural chemical produced in the nervous system that sends signals from one neuron (nerve cell) across a synapse to another neuron or target organ. Serotonin affects many biological functions including pain control, mood, sleep, intestinal function, and inflammation.
Vitamin B1, or thiamine is required in energy production & nerve transmission in the brain. Many B vitamins are essential for nervous system health, such as nerve regeneration, nerve transmission, and neurotransmitter synthesis. B1-dependent enzymes are lower in the brains of some people with Alzheimer’s disease.

Gingko biloba is the world’s oldest living species of tree! Some individual trees are able to live as long as 1000 years. Gingko trees are found in the southern and eastern parts of the USA, China, Korea, and southern France. Gingko leaves are used by herbalists for medicinal purposes. Gingko biloba is an antioxidant, mildly inhibits platelet aggregation, enhances circulation, and may improve atherosclerosis. Gingko is traditionally thought to promote blood flow to the brain. As such, it is used for mild cognitive impairment, depression, tinnitus, glaucoma, and headaches. Several clinical trials have found gingko to be beneficial for age-related cognitive decline.

L-glutamine, is an amino acid that, like gingko, improves oxidative stress. Other roles include increased immune cell activity, prevention of diarrhea, and nourishing the intestinal tract. Glutamine also helps the body recycle and manufacture more glutathione. Glutathione is a powerful antioxidant with a variety of roles in the body including liver detoxification, DNA repair, protein synthesis, neutralizing free radicals, boosting immune health, and regulating the nitric oxide cycle.

5-HP, or 5-hydroxytryptophan, is utilized by the body to synthesize serotonin. 5-HP cannot be obtained from food. Rather, our bodies make 5-HP from the amino acid tryptophan, which is found in dietary protein. The 5-HP used in most supplements is derived from the seeds of a West African plant called Griffonia simplicifolia. 5-HP has been shown in research studies to help a variety of conditions such as fibromyalgia, depression, insomnia, migraines, and tension headaches. It may also reduce appetite & therefore obesity. 5-HP is best used under the supervision of an experienced healthcare practitioner and it should not be combined with some prescription drugs except when advised by your doctor. Uncommon side effects may include nausea and agitation.

Phosphatidylserine is derived from the amino acid serine and may have beneficial effects on depressed individuals. Phosphatidylserine has also been used to improve memory function in the elderly.

Proline is an amino acid necessary for collagen synthesis.

**REFERENCES**


**Supplement Facts**

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<thead>
<tr>
<th>Amount Per Serving</th>
<th>% Daily Value</th>
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<tbody>
<tr>
<td>Vitamin B1 (Thiamin HCl)</td>
<td>6 mg</td>
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<tr>
<td>Vitamin B3 (Nicotinamide)</td>
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<tr>
<td>Zinc (Glucinate)</td>
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<td>Brain-Neuro Medusa Complex (Proprietary Blend)</td>
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<td>Amino Acid Complex Proprietary Blend</td>
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<td>L-Glutamine</td>
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<td>Phosphatidylserine(s)</td>
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* Daily Value not established

Other Ingredients: Gelatin and Water.