



Standardized Extract

BacoMind™

A clinically proven cognition enhancer for elderly and for growing children

Cognition and Memory

BacoMind™ (patent pending) is a clinically proven standardized phytochemical composition derived from the Indian medicinal plant *Bacopa monnieri* Linn. **BacoMind™** has scientific backup with *in vitro*, animal and clinical studies to substantiate its beneficial effects in enhancing memory and age related neuro-degenerative disorders.

Cognition and Memory

Cognition refers to the processes through which information coming from the senses is “transformed, reduced, elaborated, recovered, and used”. The term information, used here, refers simply to sensory input from the environment that informs us about something that is happening there. Cognitive processes are thus the mental processes involved in knowing about the world; as such, they are important in perception, attention, thinking, problem solving and memory.

Memory is the ability of the brain to store, retain and subsequently recall information. In the recent decades, it has become one of the principal pillars of a new branch of science, cognitive neuroscience.

Clinical trials on BacoMind™

In a Phase - II randomized double blind placebo controlled study, **BacoMind™** has been shown to exert positive effects on cognitive processes such as attention and long term memory. Another clinical study on children requiring individual education program has indicated significant improvement in various memory related parameters. Some of these include immediate recall, audio & visual memory, recognition, retrieval, verbal & motor perceptual development.

Animal and biochemical studies on BacoMind™

Animal experiments too have demonstrated the benefits of **BacoMind™** in memory related models like passive avoidance test and elevated plus maze test in mice. **BacoMind™** has been shown to modulate biochemical targets like 5-hydroxytryptamine receptor (5-HT₆) and butyrylcholinesterase in *in vitro* studies.

Safety : A phase I clinical study on **BacoMind™** has indicated that it is safe and well tolerated in healthy adults and elderly volunteers. No side effects were reported in any of the treated volunteers. The physical, hematological and biochemical parameters were within the normal limits.

Oral administration of **BacoMind™** (500mg/kg body weight) for 90 days did not cause any mortality and significant adverse effects in rats. LD₅₀ of **BacoMind™** was found to be 2400mg/kg in rats. In addition, no mutagenicity could be detected using Ames test.

Why BacoMind™ ?

- **BacoMind™** is clinically proven.
- Chemical standardization involving assay of 8 different bioactive compounds by HPLC.
- Biological standardization: IC₅₀ value in butyrylcholinesterase inhibition assay for each batch.
- Supported with phytochemical reference standards (with spectroscopic and chromatographic characterization).
- Manufactured in a GMP and ISO 9001-2000 certified manufacturing facility.

Availability : **BacoMind™** is available as a free flowing powder with a unique chemical and biological quality control support.

Recommended Dose : For adult- 450 mg /day/adult for 12 - 24 weeks.

For children-225mg /day/child for 4 - 6 months.

BacoMind™ is recommended for incorporation in dietary / nutraceutical formulations intended for improving memory and age related neuro-degenerative disorders.

Detailed lab reports available upon request

Disclaimer: *These statements have not been evaluated by the Food and Drug Administration or any other regulatory body. This product is not intended to diagnose, treat, cure or prevent any disease.*

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