



(주)너브 바이오사이언스
NERVE BIOSCIENCE CO.,LTD.

TECH INNOVATION

Stress Relief Sleep Patch

FOR INSOMNIA WITH NATURAL COMPONENTS



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Nerve BioScience is a company with over 20 years of expertise in natural materials research.

Our startup is composed of professional researchers specializing in fields such as life sciences, chemistry, cosmetics, food science, and pharmacology. Through various national research projects, we carry out multiple R&D initiatives.

Our mission is to improve the quality of life for people and their pets by promoting health. By developing innovative solutions for both humans and pets, we are dedicated to supporting healthy and happy lives.



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Market Problem



Limited Effectiveness of Existing Products

Current melatonin-based sleep aids are effective in inducing sleep but often come with side effects such as headaches or prolonged drowsiness. Additionally, some users face restrictions due to interactions with other medications, limiting their usage.

Lack of Trustworthy Natural Products

Consumers struggle to find reliable, natural ingredient-based sleep aids. Many products claim to be natural, but their effectiveness and safety are not always scientifically proven, leading to skepticism.

Short Duration of Effects

Many sleep products provide only short-term relief, inadequate for those needing sustained sleep support, leaving a gap in the market for long-lasting, dependable solutions.

Complex Selection Process

With a wide array of sleep products available, consumers find it difficult to determine which ones are both effective and safe due to a lack of clear information. This confusion often leads to unsatisfactory choices.

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The technology utilizes natural extracts from *Nypa fruticans* (nipa palm) to provide a sleep aid solution for the alleviation of sleep disorders. Unlike conventional chemical-based sleep aids, the technology harnesses natural ingredients to minimize potential side effects and support a more stable sleep pattern.

Key features include faster sleep induction, extended deep sleep time, and reduced awakenings, with multiple studies showing improved performance compared to existing products.

Natural Substance-Based Technology

The sleep aid technology leverages extracts from *Nypa fruticans* for enhanced safety and efficacy. Compared to chemical-based products, it has been developed based on research showing it to be safer for long-term use.

Durability and Sustained Effectiveness

The technology delivers continuous sleep aid effects for approximately 12 hours, with few reported side effects compared to conventional melatonin-based products. This is one of the advantages of using natural ingredients.



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Article

Antinociceptive and Anti-Inflammatory Effects of *Nypa fruticans* Wurmb by Suppressing TRPV1 in the Sciatic Neuropathies

Mi-sun Kang ¹ and Kyung-Yae Hyun ^{2,*}



Performance Optimization and Clinical Results

The performance of the product has been validated through the IRB (Institutional Review Board) clinical trials. Results show that sleep onset time was reduced on average by 57%, the duration of deep sleep increased by 20%, and the frequency of brief awakenings decreased by 40%, significantly improving sleep quality. This demonstrates the efficacy and safety of the product in real-world use.

Minimized Side Effects

By using natural ingredients, the technology helps reduce the common side effects seen with conventional sleep aids. It stabilizes the autonomic nervous system, which helps reduce negative mood changes.

Safety Validation

The safety of this technology has been scientifically validated through various In vitro tests and animal studies. Evaluations of the effects of *Nypa fruticans* extract on cell viability showed minimal cytotoxicity, and its neuroprotective effects were confirmed.

Mode of Collaboration

01

Cooperation Agreement

CRO companies or partners that can provide support in the clinical trials phase and certifications/regulations



Investment Agreement

02

Companies that would like to provide financial support for research and clinical trials phase

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THANK YOU

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