

## **Magic Luna homeopathic mouth spray**

### **DSIP | Epithalon | Selank**

#### **Background**

**Magic Luna homeopathic mouth spray** is a comprehensive supplement formulary designed to promote relaxation and restful sleep. The DSIP (improved sleep quality), Epithalon (anti-aging), and Selank (anti-anxiety and calm) blend centers on promoting the ability to achieve serenity that allows for a holistic recharge of mind and body.

#### **Research**

**Delta Sleep Inducing Peptide (DSIP)** is designed to promote improved sleep quality and is a nonapeptide of MW 849 and has been shown to promote delta and REM sleep in previous animal and human studies. <sup>1</sup> Along with sleep, the peptide appears to act on circadian and locomotor patterns, electrophysiological activity, hormonal levels, neurotransmitter levels in the brain, psychological performance, and withdrawal effects from certain neuropharmacological drugs. <sup>1</sup> Other less validated outcomes as a neuropeptide are decrease in oxidative stress, modulate myocardial contractility, relief of depression symptoms, and normalization of many endocrine and physiological processes within the central nervous system (CNS).

**Epithalon (Epitalon)** is the synthetic version of the tetrapeptide epithalamin gaining attention as a marvel anti-aging peptide. <sup>2</sup> Epithalon is referred to as a pineal peptide, as it occurs naturally in the pineal gland, a miniscule endocrine gland in the brain. <sup>2</sup> The mechanism of action by which epithalon promotes life extension is by elongation of telomeres and telomerase activation. <sup>3</sup> A telomere is a section of repetitive DNA sequences at the end of a chromosome that serves to protect our genetic data, make it possible for cells to divide, and Shammas et al. (2011) states that recent studies suggest that telomere length, which can be modified by many lifestyle factors, can impact the rate of aging and onset of age-related ailments and diseases. <sup>4</sup> In other words, telomere length contracts with age and gradual shortening of telomeres leads to apoptosis, oncogenic transformation of somatic cells, senescence, which affects both individual health and lifespan. <sup>4</sup>

**Selank** is a synthetic peptide that is a modified version of the naturally occurring tetrapeptide tuftsin. Selank combines the native bioactivity of tuftsin's ability to regulate the immune system with additional design features to promote anxiolytic effects. <sup>5</sup> Selank is associated with stimulation of GABA receptors and reduction of cortisol levels leading to feelings of calmness and relaxation.

#### **Conclusion**

**Magic Luna homeopathic mouth spray** is a synergistic tri-peptide formulary designed to focus on anti-aging, relaxation, and promotion of restful sleep. As a stress reduction blend, this product may also serve as a potent antioxidant, regulating the circadian rhythm on the path to restoring mind and body balance.

## References

- <sup>1</sup> Graf, M. V., & Kastin, A. J. (1984). Delta-sleep-inducing peptide (DSIP): A Review. *Neuroscience & Biobehavioral Reviews*, 8(1), 83–93. [https://doi.org/10.1016/0149-7634\(84\)90022-8](https://doi.org/10.1016/0149-7634(84)90022-8).
- <sup>2</sup> Particle Peptides. (2018, June 17). *THE SCIENCE BEHIND EPITALON, THE MIRACLE ANTI-AGING PEPTIDE*. <https://particlepeptides.com/en/blog/news/the-science-behind-epitalon-the-miracle-anti-aging-peptide>. Retrieved May 23, 2024.
- <sup>3</sup> Khavinson VKh, Bondarev IE, Butyugov AA. Epithalon peptide induces telomerase activity and telomere elongation in human somatic cells. *Bull Exp Biol Med*. 2003 June;135(6):590-2. Doi: 10.1023/a:1025493705728. PMID: 12937682.
- <sup>4</sup> Shammas MA. Telomeres, lifestyle, cancer, and aging. *Curr Opin Clin Nutr Metab Care*. 2011 Jan;14(1):28-34. Doi: 10.1097/MCO.0b013e32834121b1. PMID: 21102320; PMCID: PMC3370421.
- <sup>5</sup> Koroleva, S.V., Mjasoedov, N.F. Physiological Effects of Selank and Its Fragments. *Biol Bull Russ Acad Sci* 46, 407–414 (2019). <https://doi.org/10.1134/S1062359019040071>.

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## Summary

**Magic Luna homeopathic mouth spray** is a comprehensive supplement formulary designed to promote relaxation and restful sleep. The DSIP (improved sleep quality), Epithalon (anti-aging), and Selank (anti-anxiety and calm) tri-peptide blend centers on promoting the ability to achieve serenity that allows for a holistic recharge of mind and body.