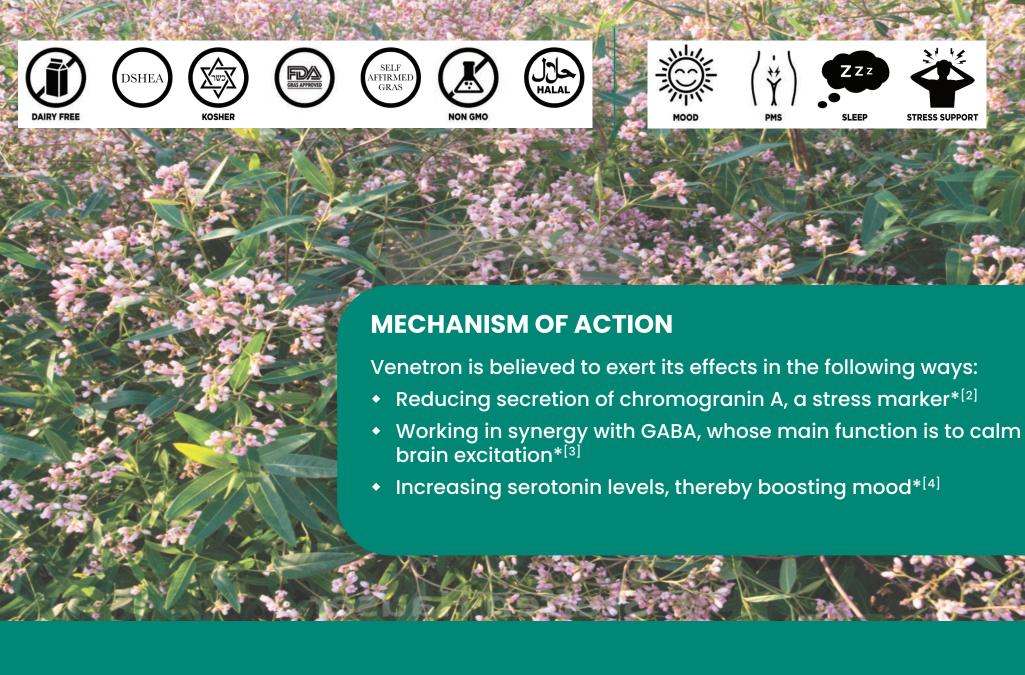
Have a Great Day with VENETRON

Derived from a patented, purified Derived from a patented, purified, powdered extract of Apocynum venetum, Venetron® is a dietary ingredient for sleep and mood support that has great potential to vastly improve health outcomes. Unlike other mood support herbs such as St. John's Wort, Venetron does not affect the CYP3A pathway and is also more potent and therefore requires a lower dose of just 50 mg per day. [1] Standardized to contain at least 4% hyperoside and isoquercitrin, Venetron has been shown in several placebo-controlled human clinical trials to: Support a positive outlook* Alleviate occasional stress* Improve sleep quality*

Functions Status



♦ Origin

◆ Scientific name

General name

Tarim Basin, Xinjiang Uighur **Autonomous Region, China**

Apocynum venetum L.

Luobuma (in Chinese)

Rafuma (in Japanese)

- **♦** Usage
- A traditional folk medicine in China as tea drink A beverage as Foods for Specified Health Uses
- (FOSHU) in Japan for over 20 years
- VENETRON® is extracted from the leaves of *Apocynum venetum* L. Developed by TOKIWA PHYTOCHEMICAL CO., LTD from 1998 in Japan

1. Theanine

- Used as a dietary supplement material for 20 years
 - First dietary supplement in US released in 2001 TOP 3 Best dietary supplement materials in Japan
 - - ALMOST 21% of the sleep supplement market

For sleep improvment

2. VENETRON°

3. GABA

VENETRON® will support a better night's sleep and a relaxed work day With VENETRON® Without Support

Left:

Standard

Right: Water-soluble type

Clinical trial 3

Clinical trial 4

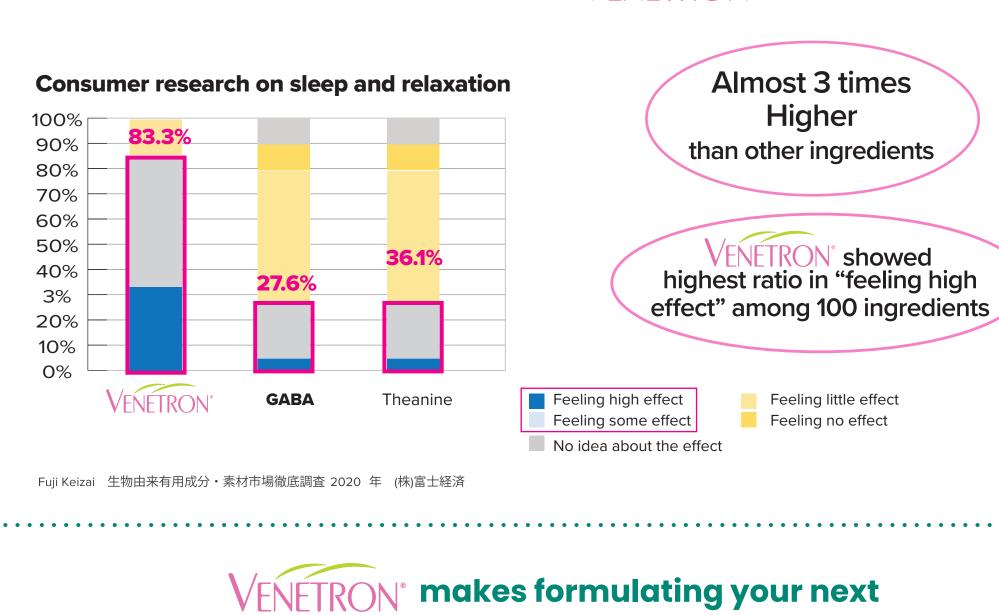
[a] https://www.stress.org/daily-life

: Sleep improvement on 8 people

The industry health new, 1667,01/05/19

Consumers gave positive feedback

on the effects of VENETRON®



product easier with two grades.

Granules

Supplement

Tablet

Tea

Jelly, Beverage, etc.

Journal of Nutritional Food. 12, 1-9 (2009)

Fruit tea

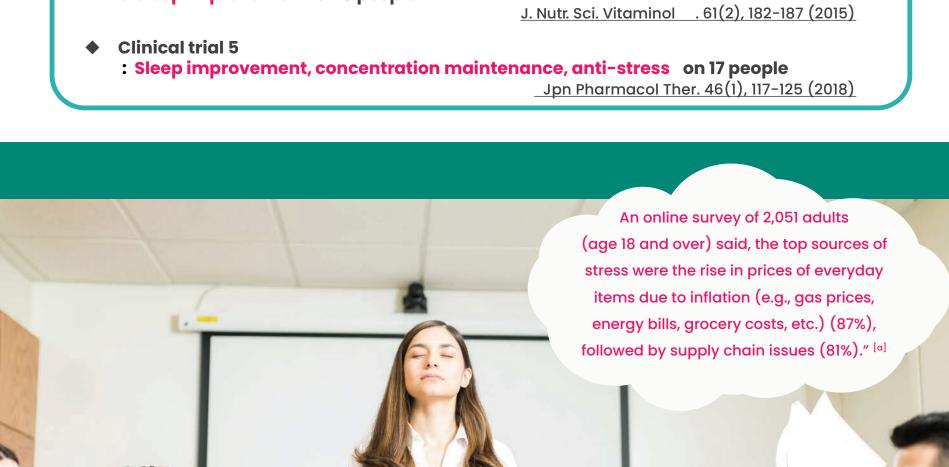
Clinical trial 1 : Mood and sleep improvement on 39 people Journal of Nutritional Food. 12, 1-9 (2009) **Clinical trial 2** : Safety study on 30 people

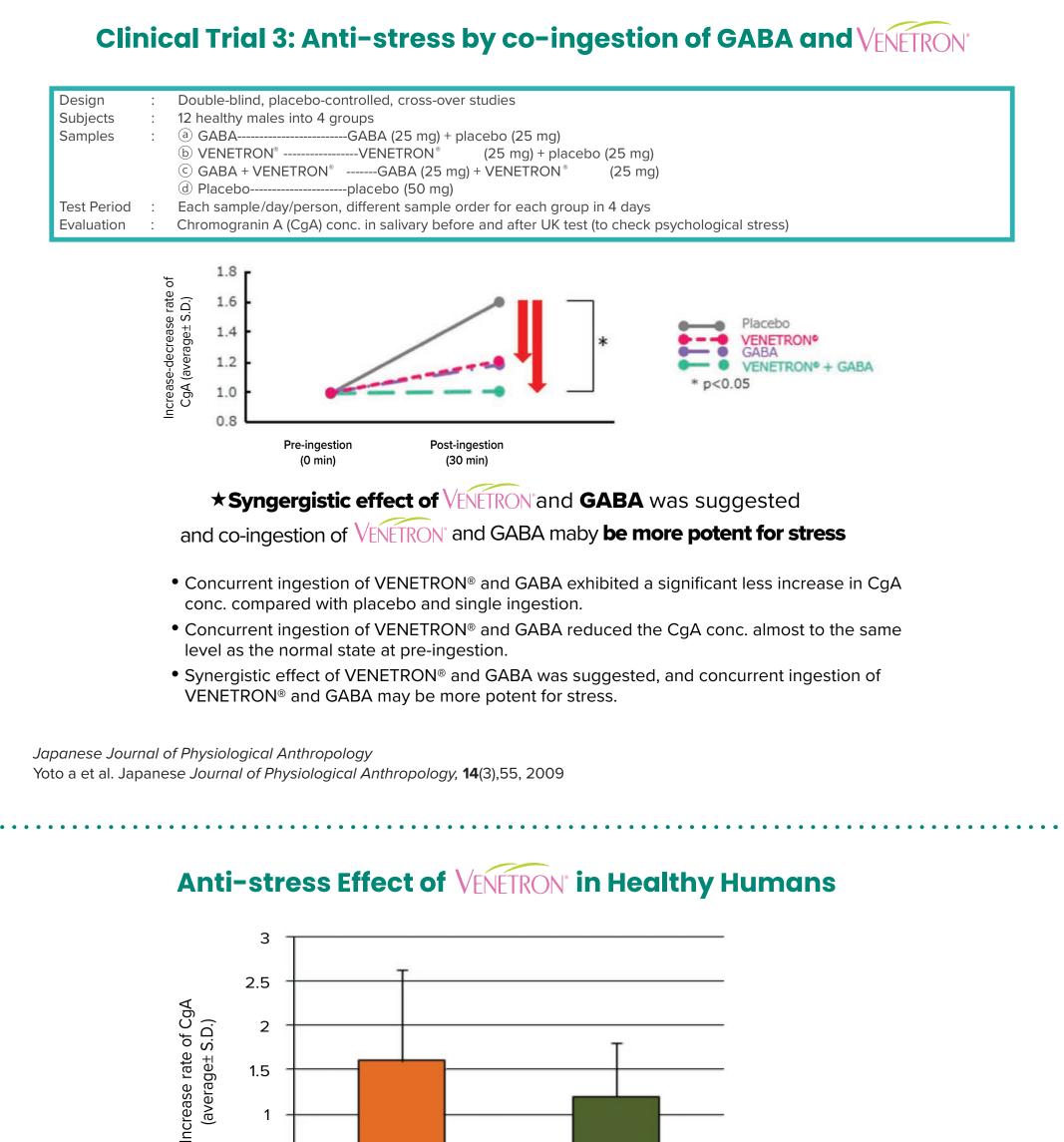
Japanese Journal of Physiological Anthropology 14(3), 151-155 (2009)

and over 20 published papers.

VENETRON° is backed by 5 clinical trials

: Anti-stress by co-ingestion of GABA and VENETRON® on 12 males





[c] https://www.cdc.gov/nchs/fastats/sleep-health.htm

50 mg VENETRON®/day (2 capsules/day)

: 1 week, 30 min before going to bed

People who have subjective dissatisfaction of sleep quality

Electroencephalogram (EEG) to observe sleep stage)

Placebo-controlled trial

(Mice)

Subacute toxicity

[b] http://healthysleep.med.harvard.edu/healthy/science/what/sleep-patterns-rem-nrem

2

1.5

1

0.5

0

Sleep Statistics

REM SLEEP MAKES UP BETWEEN **20-25%** OF

TOTAL SLEEP IN HEALTHY ADULTS. [b]

> **31.6%** OF ADULTS IN THE USA, 18

YEARS AND OVER, GET INSUFFICIENT SLEEP. [c]

Design

Intake

Subjects Dose

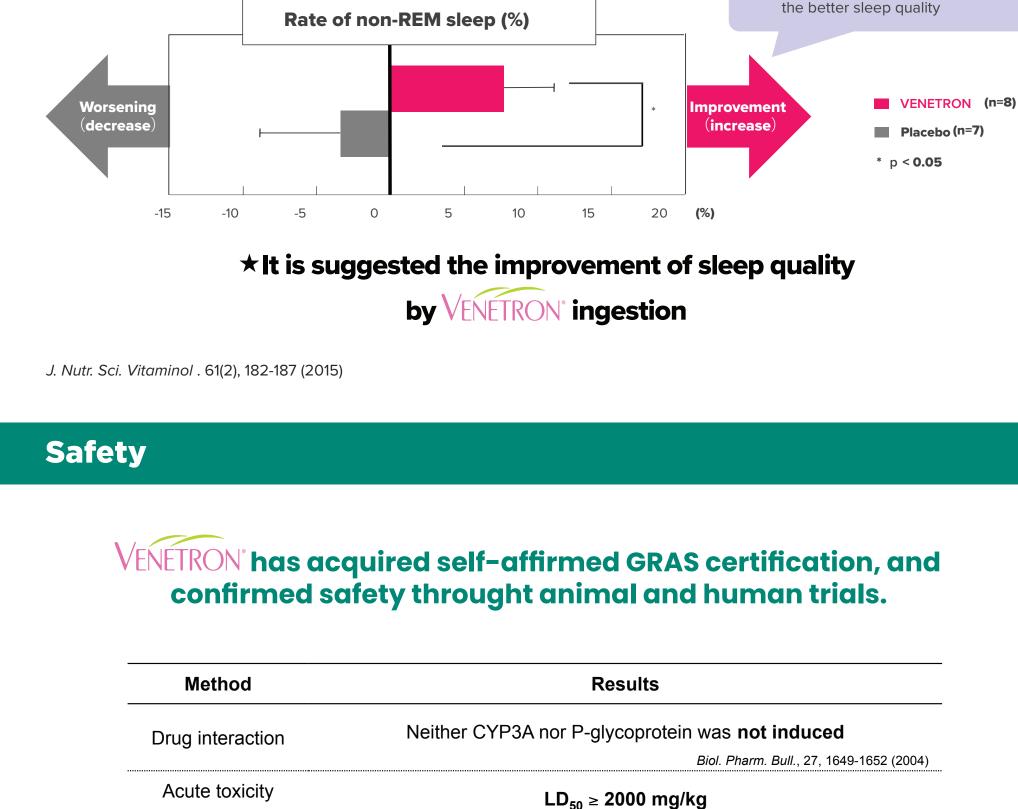
Evaluation:

Yoto a et al. Japanese Journal of Physiological Anthropology, 14(3),55, 2009

Placebo

Ingestion of Venetron® reduced the increase rate of CgA, compared with placebo.

VENETRON®



Clinical Trial 4: Sleep Quality Improvement

A higher rate of non-REM sleep,

Jpn Pharmacol Ther., 46, 127-135 (2018)

US/Japan Patent

Self-affirmed GRAS certified

[4] KGK Inc. Unpublished study.

JIHS health food raw materials GMP certified

(Rats) Jpn Pharmacol Ther., 46, 127-135 (2018) 12 week trial (50 mg/day for 8 weeks & 150 mg/day for 4 weeks) Clinical trial No severe adverse effects were observed Journal of Nutritional Food, 12, 1-9 (2009) A review paper of the safety of VENETRON ® has been published Jpn Pharmacol Ther., 46, 127-135 (2018) Safety

Venetron is an extract of Apocynum venetum, an herb that has been used for

centuries in Traditional Chinese Medicine and is also consumed as food and

tea. Studies on Apocynum venetum have confirmed its safety.[5],[6] Venetron's

not demonstrated any significant adverse effects in clinical trials.

action is based on well-known and safe flavonoid phytocompounds, and it has

8-week oral administration

NOAEL ≥ 250 mg/kg/day (Equivalent to 150 mg/day human)

- 宗像直一 [1] Butterweck V, et al. Pharmacol Biochem Behav. 2003 Jun;75(3):557-64.
- Kosher certified HACCP certified Patent **US Patent Japan Patent** Apocynum venetum **Mood Support** 特許第6417630号 JP 4629933 extract for use as United mood support US 6,737,085 B2 Usage for sleep improvement JP 2017-193127 Usage for sleep improvement 15/938 618

[2] [3] Yoto A, et al. Japanese Journal of Physiological Anthropology. 2009Aug;14(3):151-5.

[5] Xie W, et al. J Ethnopharmacology. 2012 May 7;141(1):1-8. [6] Yang J, et al. Journal of Nutritional Food. 2009;12:1-9. For more information, please contact: pbi@maypro.com or 914-251-0701

www.maypro.com