

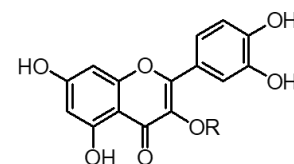
# VENETRON™ (Rafuma Extract)



Scientific name	: <i>Apocynum venetum</i>
Common name	: Rafuma, Luobuma
Origin	: China, Temperate region of central Asia
Traditional Use	: Anti-hypertension, Alleviates insomnia, etc
Characteristic Component	: Hyperoside & Isoquercitrin

## The features of VENETRON™

- **Standardized** with  $\geq 2.0\%$  Hyperoside &  $\geq 2.0\%$  Isoquercitrin
- Low dosage - **50 mg/day**
- **Patented** ingredient
- Clinically-proven **Efficacies** & Robust **Safety Studies**
- **No drug-drug interaction** - Neither CYP3A nor P-glycoprotein are induced
- Can be formulated in **various delivery format**



Hyperoside (R =  $\beta$ -D-galactosyl)  
Isoquercitrin (R =  $\beta$ -D-glucosyl)

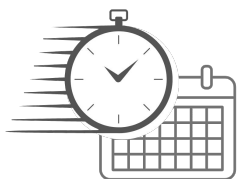


Recommended dose

**50 mg/day**

## Excellent Perceived Efficacy

User-perceived efficacy for *Sleep Improvement & Relaxation*



Efficacy felt in approximately

**1 week**

Consumers experience  
**superior effect**

**83%**

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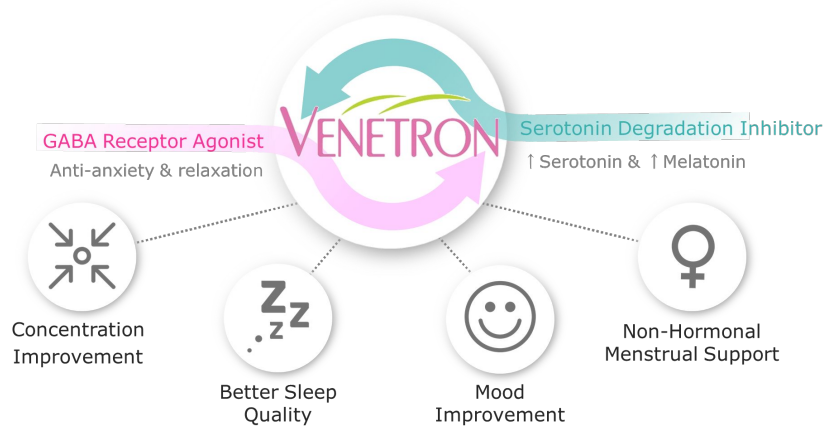
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【URL】 <https://www.tokiwaph.com/en/>

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**tokiwa**  
PHYTOCHEMICAL

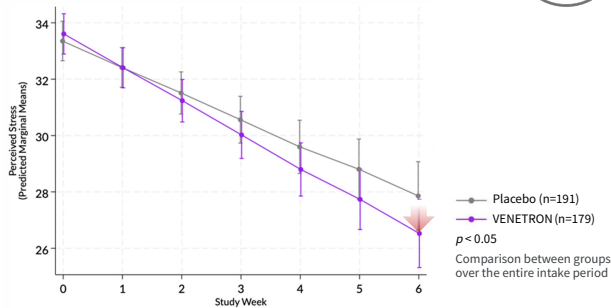
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# Clinical Proven Efficacies



## Mood Improvement

### NIH Toolbox Perceived Stress Scale Score



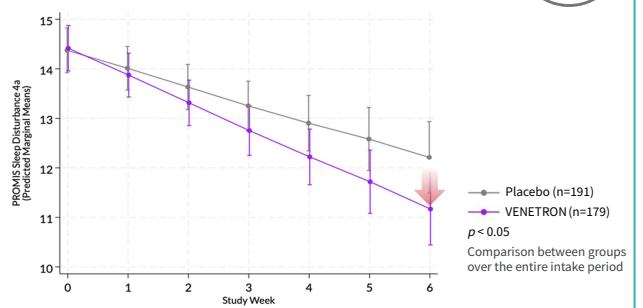
### Uchida-Kraepelin Questionnaire

UKQ (The change in the score before and after ingestion)			
Items	VENETRON	Placebo	P value
Nervous	<b>-0.5±0.7</b>	0.2±0.9	0.015
Restless	<b>-0.5±0.9</b>	0.3±1.2	0.038
Irritated	<b>-0.6±1.1</b>	0.1±0.7	0.038

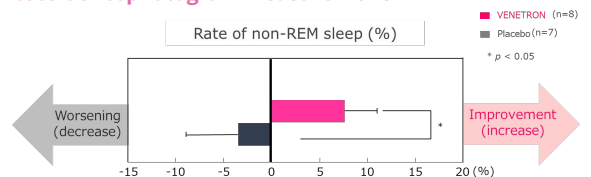
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## Better Sleep Quality

### PROMIS™ Sleep Disturbance Score

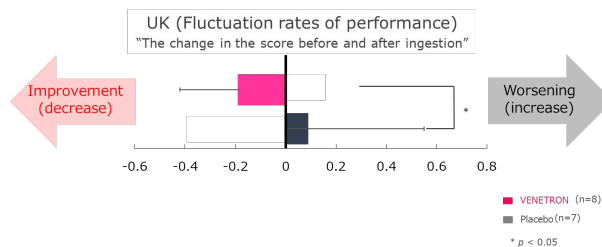


### Electroencephalogram Measurement



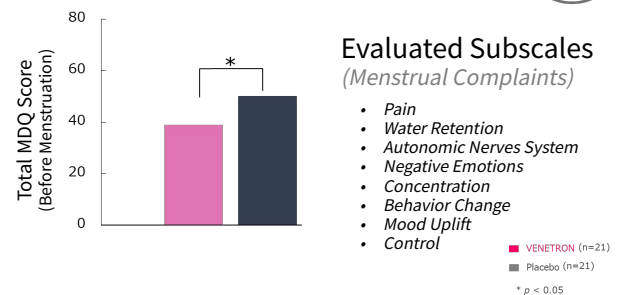
## Concentration Improvement

### Uchida-Kraepelin Questionnaire



## Menstrual Support

### Menstrual Distress Questionnaire



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