



## NATURAL HERBAL PRODUCTS

### Krachai Dum (*Kaempferia parviflora*)



#### Ethnopharmacology

Krachai Dum (*Kaempferia parviflora*) is an herbaceous plant belonging to the Zingiberaceae family. Since ancient time, it has traditionally been used as a health promoting, stimulating and vitalizing agent.

This plant is very popular for using stimulate sexual performance mostly in male, have various products form viable in the market. In Thai traditional medicine this plant is one of all popular plant have been use for a long time.

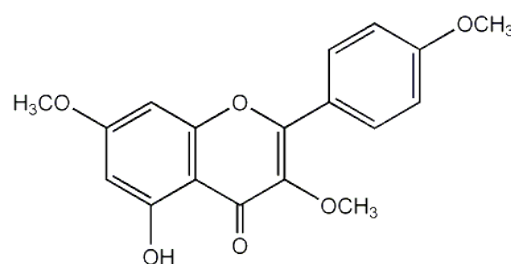
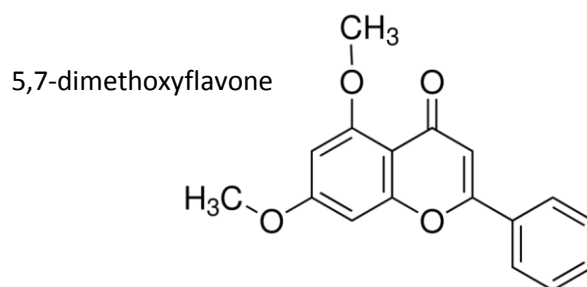
#### Rejuvenation and sex enhancement

Krachai Dum has many interesting activity and the one of the most interest is sex enhancement and rejuvenation. Krachai Dum contains substantial amounts of PDE5 inhibitors, which act like Viagra, and it also enhances sex performance by increase blood-flow to the testis and stimulates dopaminergic function in hypothalamus.

Moreover, Krachai Dum can help increasing sperm density and promotes health by its other effects such as adaptogenic activity, reducing triglycerides, preventing diabetes and etc.

#### Chemical Constituents from *Kaempferia parviflora*

The chemical constituents from *Kaempferia parviflora* are consisting of 5,7-dimethoxyflavone, 5-hydroxy-3,7,4'-trimethoxyflavone and almost major flavones compounds.



5-hydroxy-3,7,4'-trimethoxyflavone





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## Benefits

- Aphrodisiac activity (enhance sexual desire, sexual motivation and sexual performance)
- Increase sperm density and increase condensation of lysosome in the basal part of Sertoli cells
- Antiplasmodial, antifungal and mild antimycobacterial
- Excellent antioxidant
- Anti-inflammatory
- Adaptogenic activity
- Anti-allergic activity
- Anticholinesterase activity (prevent and cure Alzheimer's disease)
- Anti-gastric ulcer effect
- Antiobesity effects
- Anxiolytic and antidepressant effects

## Applications

For your various demand, we have Krachai Dum (*Kaempferia parviflora*) products in many forms to use for various products such as supplement, beverages and cosmetics

- Crude powder
- Liquid extract (Maceration Extraction)
- Powder extract (Supercritical Fluid Extraction)

## Quality Control

5,7-dimethoxyflavone and 5-hydroxy-3,7,4'-trimethoxyflavone is the flavones which are used for standardization of crude extract by HPLC analysis and also for control the quality

## Dosage and Safety

- Maximum dose depends on each country's FDA restrict
- Should not use if under 25 years of age, who are diagnosed with Hypertension, tumors/cancer in Prostate and Benign Prostatic Hyperplasia (BPH)

## Packaging

Standard Package: Plastic vacuum bag  
Plastic gallon container

We can provide packaging in various types of contains depending on custom requirements.

## Recommended Storage

Store in cool dry place, away from light, excessive heat or freezing temperatures

Shelf life: 2 years

## Documents

We provide copies of Specification Sheet, MSDS, Plant information, HPLC and analysis report from ALS Laboratory



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## CONTACT

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## Product Range

(Updated 14/11/2012)

### Herbal Products

- AQUACUMIN (Water Soluble Curcuminoids)
- Kwao Krua Kao (*Pueraria mirifica*)
- Kwao Krua Dang (*Butea superba*)
- Tongkat Ali (*Eurycoma longifolia*)
- Krachai Dum extract (*Kaempferia parviflora*)
- Kam Pang Jed Chun extract (*Salacia chinensis*)

### Essential Oil

N/A

