

## Volatile constituents of the root, rhizome, leaf, stem and flower oils of *Alpinia Chinesis* Rosc. from Vietnam

**Citation for published version (APA):**

Dung, N. X., Rang, D. D., Chinh, T. D., & Leclercq, P. A. (1994). Volatile constituents of the root, rhizome, leaf, stem and flower oils of *Alpinia Chinesis* Rosc. from Vietnam. In *Abstracts of Eight Asian Symposium on Medicinal Plants, species and other natural products (ASOMPS VIII), 12-16 June 1994, Melaka, Malaysia* Article P94

**Document status and date:**

Published: 01/01/1994

**Document Version:**

Publisher's PDF, also known as Version of Record (includes final page, issue and volume numbers)

**Please check the document version of this publication:**

- A submitted manuscript is the version of the article upon submission and before peer-review. There can be important differences between the submitted version and the official published version of record. People interested in the research are advised to contact the author for the final version of the publication, or visit the DOI to the publisher's website.
- The final author version and the galley proof are versions of the publication after peer review.
- The final published version features the final layout of the paper including the volume, issue and page numbers.

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**VOLATILE CONSTITUENTS OF THE ROOT, RHIZOME, LEAF,  
STEM AND FLOWER OILS OF *ALPINIA CHINENSIS* ROSC.  
FROM VIETNAM**

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After Steam-distillation, the volatile Oils of the Root, Rhizome, Leaf, Stem and flower of *Alpinia chinensis* Rosc. from Vietnam were investigated using HRGC and GC/MS and many compounds were identified. The major components are:

- \* caryophyllene oxide (13.2%) and  $\beta$ -bisabolene (10.4%) in the Root oil.
- \* 1,8-cineole (26.8%),  $\beta$ -bisabolene (24.8%) and  $\alpha$ -humulene (9.3%) in the Rhizome Oil.
- \*  $\beta$ -bisabolene (47.9% and 47.6%) in the Leaf and Stem Oils.
- \* bisabolene (17.1%) and  $\beta$ -caryophyllene (13.1%) in the Flower Oil.

The use of *Alpinia chinensis* Rosc. in traditional Medicine and as a spice is also presented.