

Chemical composition of the flower essential oil of *artabotrys hexapetalus* (L. f.) bhandare of Vietnam

Phan G.M., Phan S.T., Konig W.A.

Faculty of Chemistry, College of Natural Science, Vietnam National University, 19 Le Thanh Tong Street, Hanoi; Institut f r Organische Chemie, Universit t Hamburg, D-20146 Hamburg, Germany

Abstract: The pleasant smelling flower essential oil of *Artabotrys hexapetalus* (L. f.) Bhandare (Annonaceae) was analyzed by GC and GC/MS. Twenty-six components of the oil including sesquiterpene hydrocarbons (33.3% of the oil) and oxygenated sesquiterpenoids (47.7%) were identified, β -caryophyllene (11.4%) and caryophyllene oxide (31.5%) were identified as the major components of the oil.    2007 Allured Publishing Corp.

Author Keywords: β -caryophyllene; Annonaceae; *Artabotrys hexapetalus*; Caryophyllene oxide; Essential oil composition

Index Keywords: Hydrocarbons; Plants (botany); *Artabotrys hexapetalus*; Caryophyllene oxide; Chemical composition; Essential oil composition; Essential oils; Annonaceae; *Artabotrys hexapetalus*

Year: 2007

Source title: Journal of Essential Oil Research

Volume: 19

Issue: 6

Page : 523-524

Link: [Scopus Link](#)

Correspondence Address: Phan, S.T.; Faculty of Chemistry, College of Natural Science, Vietnam National University, 19 Le Thanh Tong Street, Hanoi

ISSN: 10412905

CODEN: JEORE

Language of Original Document: English

Abbreviated Source Title: Journal of Essential Oil Research

Document Type: Article

Source: Scopus

Authors with affiliations:

1. Phan, G.M., Faculty of Chemistry, College of Natural Science, Vietnam National University, 19 Le Thanh Tong Street, Hanoi
2. Phan, S.T., Faculty of Chemistry, College of Natural Science, Vietnam National University, 19 Le Thanh Tong Street, Hanoi
3. K  nig, W.A., Institut f r Organische Chemie, Universit t Hamburg, D-20146 Hamburg, Germany

References:

1. Joulain, D., K  nig, W.A., (1998) The Atlas of Spectral Data of Sesquiterpene Hydrocarbons, , E.B.-Verlag, Hamburg
2. D.H. Hochmuth, W.A. K  nig and D. Joulain, MassFinder 2.3. Software and Data Bank, Hamburg (2003). Available at: www.massfinder.com