

Volatile constituents of the rhizome oil of *Alpinia laosensis* Gagnep. from Indochina

Dung N.X., Trung H.Q., Huong V.N., Phuong N.X., Leclercq P.A.

Ctr. Educ./Devt. Chrom. of Vietnam, 3 Giai Phong Street, HaiBa District, 10 000 Hanoi, Viet Nam;

Department of Chemistry, Hanoi National University, 19 Le Thanh Tong Street, 10 000 Hanoi, Viet Nam;

Laboratory of Instrumental Analysis, Department of Chemical Engineering, Eindhoven University of Technology, PO Box 513, 5600 MB Eindhoven, Netherlands

Abstract: The volatile constituents obtained by steam distillation of the rhizomes of *Alpinia laosensis* Gagnep., Zingiberaceae, were analyzed by capillary GC and GC/MS. Eighty-two compounds were observed of which 64 could be identified. The main component was 1,8-cineole (43-9%). None of the other constituents amounted to more than 5%. ??2000 Allured Publishing Corp.

Author Keywords: 1,8-cineole; *Alpinia laosensis*; Essential oil composition; Zingiberaceae

Year: 2000

Source title: Journal of Essential Oil Research

Volume: 12

Issue: 2

Page : 213-215

Link: Scopus Link

Correspondence Address: Dung, N.X.; Ctr. Educ./Devt. Chrom. of Vietnam, 3 Giai Phong Street, HaiBa District, 10 000 Hanoi, Viet Nam

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. Dung, N.X., Ctr. Educ./Devt. Chrom. of Vietnam, 3 Giai Phong Street, HaiBa District, 10 000 Hanoi, Viet Nam
2. Trung, H.Q., Ctr. Educ./Devt. Chrom. of Vietnam, 3 Giai Phong Street, HaiBa District, 10 000 Hanoi, Viet Nam
3. Huong, V.N., Department of Chemistry, Hanoi National University, 19 Le Thanh Tong Street, 10 000 Hanoi, Viet Nam
4. Phuong, N.X., Department of Chemistry, Hanoi National University, 19 Le Thanh Tong Street, 10 000 Hanoi, Viet Nam
5. Leclercq, P.A., Laboratory of Instrumental Analysis, Department of Chemical Engineering, Eindhoven University of Technology, PO Box 513, 5600 MB Eindhoven, Netherlands

References:

1. Dung, N.X., Phuong, D.L., Leclercq, P.A., Constituents of the stem, leaf and seed oils of *Alpinia katsumadai* Hayata L. from Vietnam (1990) J. Essent. Oil Res., 2, pp. 259-261
2. Dung, N.X., Chinh, T.D., Rung, D.D., Leclercq, P.A., The essential oil composition of Vietnamese *Alpinia breviligulata*

Gagnep. flowers (1993) J. Essent. Oil Res., 5, pp. 575-576

3. Dung, N.X., Ch??nh, T.D., R?ng, D.D., Leclercq, P.A., Chemical composition of the leaf oil of *Alpinia breviligulata* Gagnep. from Vietnam (1994) J. Essent. Oil Res., 6, pp. 181-182
4. Dung, N.X., Ch??nh, T.D., R?ng, D.D., Leclercq, P.A., Constituents of the seed and fruit peel oils of *Alpinia breviligulata* Gagnep. from Vietnam (1994) J. Essent. Oil Res., 6, pp. 295-297
5. Dung, N.X., Ch??nh, T.D., R?ng, D.D., Leclercq, P.A., Constituents of the rhizome and root oils of *Alpinia breviligulata* Gagnep. from Vietnam (1994) J. Essent. Oil Res., 6, pp. 499-501
6. Dung, N.X., Ch??nh, T.D., R?ng, D.D., Leclercq, P.A., Constituents of the flower oil of *Alpinia speciosa* K. Schum. from Vietnam (1994) J. Essent. Oil Res., 6, pp. 433-434
7. Dung, N.X., Ch??nh, T.D., R?ng, D.D., Leclercq, P.A., The chemical composition of the leaf oil of *Alpinia chinensis* Rosc. from Vietnam (1994) J. Essent. Oil Res., 6, pp. 91-92
8. Leclercq, P.A., Dung, N.X., Ch??nh, T.D., R?ng, D.D., Composition of the root oil of *Alpinia chinensis* Rosc. from Vietnam (1994) J. Essent. Oil Res., 6, pp. 401-402
9. Dung, N.X., Ch??nh, T.D., R?ng, D.D., Leclercq, P.A., Chemical composition of the flower oil of *Alpinia chinensis* Rosc, from Vietnam (1994) J. Essent. Oil Res., 6, pp. 637-638
10. Liangfeng, Z., Yonghua, L., Baoling, L., Biyao, L., Nianhe, X., (1993) *Aromatic Plants and Essential Constituents*, , Hai Feng Publishing Co., Hong Kong
11. Dung, N.X., Cu, L.D., Khi?n, P.V., Muselli, A., Casanova, J., Leclercq, P.A., Volatile constituents of the stem and leaf oils of *Eupatorium coelestinum* L. from Vietnam (1998) J. Essent. Oil Res., 10, pp. 478-482