

New sesquiterpenoids from *Curcuma* aff. *Aeruginosa* Roxb.

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Abstract: Two new natural sesquiterpenoids, designated aeruginolactone (3) and aeruginone (10), and eight known sesquiterpenoids were isolated from the rhizomes of *Curcuma* aff. *aeruginosa* Roxb. (Zingiberaceae). Their structures were determined using spectroscopic analyses. ?? 2007 The Japan Institute of Heterocyclic Chemistry.

Year: 2007

Source title: Heterocycles

Volume: 74

Issue: C

Page : 977-981

Cited by: 1

Link: Scopus Link

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ISSN: 3855414

CODEN: HTCYA

Language of Original Document: English

Abbreviated Source Title: Heterocycles

Document Type: Article

Source: Scopus

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References:

1. Phan, M.G., Van, N.H., Phan, T.S., (1998) Symposium papers, 9th Symposium on Medicinal Plants, Spices, and Other Natural Products, Hanoi, pp. 92-93

2. Phan, M.G., Van, N.H., Phan, T.S., (1998) Vietnam J. Chem., 36, p. 67
3. Kuroyanagi, M., Ueno, A., Koyama, K., Natori, S., (1990) Chem. Pharm. Bull., 38, p. 55
4. Kuroyanagi, M., Ueno, A., Ujiie, K., Sato, S., (1987) Chem. Pharm. Bull., 35, p. 53
5. El Sayed, K.A., Hamann, M.T., (1996) J. Nat. Prod., 59, p. 687
6. Masuda, T., Jitoe, A., Nakatani, N., (1991) Chem. Lett., p. 1625
7. Masuda, H., Morikawa, T., Toguchida, I., Ninomiya, K., Yoshikawa, M., (2001) Chem. Pharm. Bull., 49, p. 1558
8. Syu, W.-J., Shen, C.-C., Don, M.-J., Ou, J.-C., Lee, G.-H., Sun, C.-M., (1998) J. Nat. Prod., 61, p. 1531
9. Takahashi, T., Kitamura, K., Nemoto, H., Tsuji, J., Miura, I., (1983) Tetrahedron Lett., 24, p. 3489
10. Ruecker, G., Schikarski, M., (1978) Arch. Pharm., 311, p. 754
11. Horiike, T., Ohshiro, M., Kuroyanagi, M., (1997) Phytochemistry, 44, p. 627