

Essential oils of the rhizomes of *Alpinia conchigera* Griff. and *Alpinia latilabris* Ridl

Abstract

The essential oils obtained by hydrodistillation of the rhizomes of *Alpinia conchigera* and *Alpinia latilabris* were analysed by capillary GC and GC-MS; 50 compounds were identified in *A. conchigera* rhizome oil, among which 30 have not been detected previously. The major chemical class was terpenoids, with β -bisabolene (28.9%), 1,8-cineole (15.3%) and β -caryophyllene (10.0%) the major components. *A. latilabris* rhizomes yielded 33 identified constituents, the majority terpenoids, but the oil was clearly dominated by methyl (*E*)-cinnamate (89.5%).