

Compositional analysis of the leaf, stem and rhizome oils of *Piper lolot* C. DC. from Vietnam

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Abstract: The essential oils isolated by hydrodistillation from the fresh leaves, stems and rhizomes of *Piper lolot* C. DC. have been analyzed for the first time by a combination of GC and GC/MS. The oils contained more than 35 compounds, of which 25 constituents could be identified according to their chromatographic retention indices and mass spectra. The main constituent of the oils was α -caryophyllene (26.1-30.9%). The rhizome oil contained bornyl acetate (10.0%) as second major component.

Author Keywords: α -caryophyllene; Essential oil composition; *Piper lolot* C. DC.; Piperaceae

Index Keywords: Composition; Distillation; Gas chromatography; Mass spectrometry; Plants (botany); Bornyl acetate; Chromatographic retention indices; Essential oils

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