Chemical constituents of the essential oil from the bark of Cinnamomum illicioides A. Chev. from Vietnam

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Abstract: The chemical constituents of the hydrodistilled essential oil from the bark of Cinnamomum illicioides A. Chev., Lauraceae, from Vietnam, have been studied by GC and GC-MS. Seventeen monoterpenoids, eugenol, and thirty-six sesquiterpenoids, accounting for 25, 41.2, and 27.9% of the oil, respectively, were identified. Terpinen-4-ol (10.4%), eugenol (41.2%), and ??-cadinene (5.6%) are the major components of the oil. ?? 2006 The Japanese Society of Pharmacognosy and Springer.

Author Keywords: ??-Cadinene; Cinnamomum illicioides; Eugenol; GC; GC-MS; Lauraceae; Terpinen-4-ol

Index Keywords: alpha thujene; beta elemene; beta pinene; borneol; bornyl acetate; camphene; carvacrol; caryophyllene; cineole; copaene; delta cadinene; elemol; essential oil; eugenol; gamma cadinene; humulene; myrcene; para cymene; pinene; sesquiterpenoid; spathulenol; terpenoid derivative; terpinen 4 ol; terpinene; terpinolene; article; bark; chemical composition; Cinnamomum; Cinnamomum illicoides; gas chromatography; mass spectrometry; Viet Nam

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Chemicals/CAS: alpha thujene, 2867-05-2; beta elemene, 13833-25-5, 33880-83-0, 515-13-9; beta pinene, 127-91-3; borneol, 10385-78-1, 507-70-0; bornyl acetate, 76-49-3; camphene, 79-92-5; carvacrol, 499-75-2; caryophyllene, 87-44-5; cineole, 470-82-6, 55962-72-6; copaene, 3856-25-5; delta cadinene, 13061-82-0, 483-76-1, 60305-17-1; elemol, 639-99-6; eugenol, 97-53-0; humulene, 6753-98-6; myrcene, 123-35-3; para cymene, 99-87-6; pinene, 80-56-8; spathulenol, 6750-60-3; terpinen 4 ol, 562-74-3; terpinene, 8013-00-1; terpinolene, 586-62-9

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