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MORACEAE

ALKALOIDS OF FICUS SEPTICA

R. B. HERBERT and C. J. MOODY

Department of Organic Chemistry, The University, Leeds LS2 9JT

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Instead of the alkaloids previously isolated from *Ficus septica*, we have found partially racemic antofine to be the major alkaloid in young trees. Other, minor, bases were of the phenanthroindolizidine type but could not be related to known alkaloids and are as yet of undetermined structure.

EXPERIMENTAL

The alkaloids (1.9 g from the roots and leaves of twelve 4-ft high trees) were isolated following a published method.⁴ Separation was achieved on Kieselgel G using 2-10% MeOH in CHCl₃. The major alkaloid (168 mg) was recrystallized (CHCl₃/EtOH), m.p. 212-214°, $[a]_D^{22}$ —32° (C = 0.002 in CHCl₃). (Found: C, 75·8; H, 7·0; N, 3·5. Calc. for $C_{23}H_{25}NO_3$: C, 76·0; H, 6·9; N, 3·85%) It was identical with antofine [TLC (3 solvents), UV, IR and MS] and a m.m.p. was undepressed.

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SESELIN FROM NAUCLEOPSIS CALONEURA*†

M. ALVARENGA, R. BRAZ FILHO and O. R. GOTTLIEB

Laboratório de Produtos Naturais da Fundação do Amparo da Pesquisa do Estado de São Paulo, Instituto de Química, Universidade de São Paulo, Brasil

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Plant. Naucleopsis caloneura (Hub.) Ducke, trivial name 'muiratinga', tree. Source. Manaus, Brasil.

Trunk wood. The ethanol extract (1%) was chromatographed on silica, giving an aliphatic ketone, sitosterol and seselin (2',2'-dimethylpyrano-5',6':8,7-coumarin, 0.0005%), m.p.

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