

MELIACEAE

TETRANORTTRITERPENOIDS FROM *CABRALEA EICHLERIANA*

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Occurrence. Paraiba-São Paulo. *Source.* Horto Florestal, Serra da Cantareira, São Paulo. *Previous work.* On sister species.¹

Seeds (1.9 kg). The petrol extracts gave 334 g (17.6%) of oil. The defatted material was extracted with CHCl_3 and the viscous residue treated with petrol. The resulting crystalline-like precipitate (75 g), m.p. 70–88°, was chromatographed on silica gel columns. The benzene– CHCl_3 1:1 eluates furnished 9.77 g (0.51%) of angustinolide (fissinolide),² m.p. 168–174° (MeOH) while the benzene– CHCl_3 1:2 eluates yielded 2.6 g (0.13%) of 3 β -hydroxy-mexicanolide,³ m.p. 190–193° (Et₂O). These compounds were identified by direct comparison with authentic materials by m.m.p., co-chromatography and IR analysis.

This is the second example in which the 3 β -alcohol related to mexicanolide has been obtained as a natural product.⁴

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¹ J. D. CONNOLLY, K. H. OVERTON and J. POLONSKY, *Prog. in Phytochem.* **2**, 385 (1970).

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³ J. D. CONNOLLY, R. MCCRINDLE and K. H. OVERTON, *Tetrahedron* **24**, 1489 (1968).

⁴ R. ZELNIK and C. ROSITO, *Phytochem.* **10**, 1955 (1971).

Key Word Index—*Cabralea eichleriana*; Meliaceae; triterpenes; angustinolide; 3- β -hydroxymexicanolide.

RUTACEAE

CHLOROFORM-SOLUBLE ALKALOIDS FROM THE ROOT BARK OF *FAGARA CHALYBEA*

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Plant. *Fagara chalybea* Engl. (Synonym; *Zanthoxylum chalybeum* Engl.). *Source.* Collected in Kenya for the Tropical Products Institute, London and authenticated at