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Key Word Index—*Nicotiana tabacum*, Solanaceae, flue-cured tobacco, polyterpene, bombiprenone

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ALKALOIDS OF *SALPICHROA ORIGANIFOLIA*

W. C. EVANS, A. GHANI and VALERIE A. WOOLLEY

Department of Pharmacy, University of Nottingham

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Plant Salpichroa origanifolia (Lam.) Baillon. [*S rhomboidea* (Hook.) Miers] *Uses and properties*. No known uses. Excessive consumption of fruit reported¹ to produce symptoms of drunkenness *Previous work*. Unnamed alkaloids.^{1,2}

Root. Powdered root (20 g) with Ca(OH)₂ (4 g) and H₂O (6 ml); exhausted with ether (700 ml) Basic extract fractionated on kieselguhr supporting phosphate buffer solution pH 6.8. Eluting solvents—light petroleum, ether, CHCl₃ and ammoniacal CHCl₃ Ether-exhausted marc treated with EtOH (600 ml) and the evaporated extract boiled with acetone (100 ml), filtered and evaporated.

Cuscohygrine From ammoniacal CHCl₃ fraction Identified by co-chromatography (TLC, 2 systems, PC, 1 system), dipicrate m p and mixed m.p, IR, analysis (C and H).

ψ-Tropine. From ethanol-acetone extractions. Identified by co-chromatography (TLC, 2 systems, PC, 1 system), tigloyl ester,³ purified by column chromatography at pH 6.8 and characterised by TLC (3 systems) and m p of picrate

Tropine. In trace amount with ψ-tropine. Detected by TLC (2 systems) after formation of tigloyl ester.

Hyoscyamine. Possibly trace quantities in CHCl₃ eluate. Detected by TLC (2 systems) and faint Vitali-Morin + ve reaction.

Hygrine Trace amount in CHCl₃ eluate, TLC (2 systems)

Aerial parts Powder (20 g) exhausted and fractionated as roots. Weak alkaloid reactions obtained with no identifiable alkaloids by TLC (3 systems), negative Vitali-Morin reaction.

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¹ JOSÉ GERMÁN COSTA, *Anales Fac Quím y Farm* 4, 317 (1955)

² W E SCOTT, R M MA, P S SCHAFER and T D FONTAINE, *J Am Pharm Assoc* 46, 302 (1957)

³ W C EVANS and M WELENDORF, *J Chem Soc* 1406 (1959)

Key Word Index—*Salpichroa origanifolia*, Solanaceae, tropane alkaloids.