

Phytochemistry, 1972, Vol. 11, p. 1855. Pergamon Press. Printed in England.

COMPOSITAE

CAMPESTEROL FROM *BLUMEA LACERA*

R. PAL, S. K. MOITRA, N. N. CHAKRAVARTI and R. N. ADHYA

Department of Chemistry, School of Tropical Medicine, Calcutta, India

(Received 31 March 1971)

Plant. Blumea lacera.¹ *Occurrence*. India, Ceylon, China and Malaya. *Uses*. Medicinal² (Antipyretic, cures bronchitis and blood diseases). *Previous work*. Isolation of essential oil³ and coniferyl alcohol.⁴

Whole plant (without roots). (Extd. with light petroleum and CHCl_3 ; chromatographed over neutral Brockmann alumina) gave *campesterol*, $\text{C}_{28}\text{H}_{48}\text{O}$, m.p. 158–159° (MeOH) (m.m.p.; $[\alpha]_D$ of sterol and acetate).

¹ *Wealth of India*, Vol. I, p. 198, C.S.I.R., New Delhi (1948).

² *Indian Medicinal Plants* (edited by K. R. KIRTIKAR and B. D. BASU), 2nd edition, Vol. II, p. 1341.

³ K. K. BASLAS and S. S. DESHPANDE, *J. Indian Chem. Soc.*, **27**, 25 (1950).

⁴ F. BOHLMANN and C. ZDERO, *Tetrahedron Letters* 69 (1969).

Key Word Index—*Blumea lacera*; Compositae; sterols; campesterol.

Phytochemistry, 1972, Vol. 11, pp. 1855 to 1856. Pergamon Press. Printed in England.

TRITERPENOIDS AND TRIACONTANE FROM *CONYZA FILAGINOIDES**

XORGE A. DOMÍNGUEZ, GRACIELA QUINTERO and DANIEL BUTRUILLE

Department of Chemistry, Instituto Tecnológico y de Estudios Superiores de Monterrey, Monterrey, N.L., Mexico

(Received 24 November 1971)

Plant. Conyza filaginoides DC. (simonillo). *Uses*. Medicinal, stomach ailments.¹ *Previous work*. Physiological activity of the aqueous extract² and on sister species.³

Present work. Independent Soxhlet extn. with light petroleum and MeOH. The light petroleum extract was saponified with MeOH-KOH and the unsaponifiable portion was taken into isopropyl ether. The components were separated by chromatography on SiO_2

* Part XX in the series "Study of Mexican Medicinal Plants".

¹ M. MARTÍNEZ, *Las Plantas Medicinales de México*, 4a. Ed. Editorial Botas, México (1959).

² F. ALTAMIRANO, *Materia Medica Mexicana*, Sria. Fomento México 1, 295 (1894).

³ R. HEGNAUER, *Chemotaxonomie der Pflanzen*, Birkhauser, Basle, 3 pág. 464, 509 (1964).