

TERPENOIDS IN *SATUREJA DOUGLASII*

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(Received 14 October 1973. Accepted 1 November 1973)

Key Word Index—*Satureja douglasii*; Labiatae; essential oil; mono- and sesqui-terpenes.

Plant. Satureja douglasii (Benth.) Briq. ($\equiv$ *Micromeria chamissonis* Greene, (*Micromeria douglasii* Benth.) Herbarium specimen is retained at The University of California, Santa Cruz (JHL No. 5736). *Source*. Redwood Forest, Santa Cruz, California, U.S.A. *Previous work*. Formic, acetic and butyric acid in leaves.¹

Present work. The essential oil of *S. douglasii* was obtained by water distillation (1.3%).² Using techniques described previously³ the oil was found to contain (%) isomenthone (32.9), camphor (18.4), camphene (9.1), piperitone (8.2), carvone (8.0), β -bourbonene (4.1), menthone (2.8), α -pinene (2.3), limonene (1.8), *cis*-ocimene (1.8), linalool (1.4), *trans*-ocimene (1.1), β -pinene (1.0), terpinen-4-ol (0.9), myrcene (0.8), pulegone (0.7), piperitenone (0.7), 1,8-cineol (0.5), methyl carvacrol (0.5), terpinolene (0.3), caryophyllene (0.3), α -terpineol (0.3), thymol (0.3), sabinene (0.2), *p*-cymene (0.2), germacrene D (0.2), α -terpinene (0.1), δ -cadinene (0.1), and γ -terpinene, borneol and bicyclogermacrene (<0.1).

Comment. The area percentages were calculated from electronic integration of FID signal using capillary GLC with Carbowax 6000.

¹ BOURLAGE, H. M. (1931) *J. Am. Pharm. Assoc.* **20**, 38.

² GILL, L. S., LAWRENCE, B. M. and MORTON, J. K. (1973) *Bot. J. Linn. Soc.* **67**, 213.

³ LAWRENCE, B. M. (1971) *Can. Inst. Food Technol. J.* **4**, A44.