

SHORT COMMUNICATION
THE LEAF OIL OF *PLATYSACE LINEARIFOLIA*
(UMBELLIFERAE)

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Plant. *Platysace linearifolia* (Cav.) C. Norman (Umbelliferae), collected at Berowra, N.S.W.

Uses. Not known.

Previous work. None.

Leaves. Steam distillation by cohobation of freshly collected foliage yielded straw-coloured oils; yield, 0.36–0.69 per cent; n_D^{20} , 1.4800–1.4801; $d_{15/15}$, 0.8695–0.8730; α_D^{24} , -5.96° to -10.70° . The oil was chromatographed on silica gel with petroleum ether (b.p. 60–80°) followed by ether. Vacuum fractional distillation of the petroleum ether eluate, followed by preparative GLC, yielded α -pinene, β -pinene and car-3-ene (n_D^{20} , i.r. and co-GLC of each; approximate amounts in oil: 30, 25 and 30 per cent respectively). Smaller amounts of limonene and *p*-cymene have been tentatively identified by their retention times and co-GLC. Crystallization of the ether eluate from ethanol yielded 7(11)-selinen-4 α -ol, m.p. 165–166°, $[\alpha]_D^{20}$ 0°, in 2 per cent yield (lit. m.p. 166.5°¹, i.r.² and m.p., mxd. m.p. of dihydro derivative¹).

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¹ O. MOTL, V. HEROUT and F. ŠORM, *Chem. Listy* **52**, 116 (1958).

² J. PLÍVA, M. HORÁK, V. HEROUT and F. ŠORM, *Die Terpene*, Vol. I, *Sesquiterpene*, spectrum S 91, Akademie-Verlag, Berlin (1960).