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RUTACEAE

COUMARINS FROM *ERIOSTEMON OBOVALIS* LEAF

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Plant. *Eriostemon obovalis* A. Cunn. (72-096 Museum of Applied Arts and Sciences Herbarium) restricted to the upper Blue Mountains west of Sydney, N.S.W.¹ **Source.** Pierce's Pass, Blue Mountains, N.S.W., Australia. **Previous work.** Essential oil,² anthocyanin,³ coumarin,^{4,5} alkaloid,^{5,6} benzodipyrans,^{6,7} and flavone⁷ components from sister species.

Leaf. Fresh dewaxed leaf was extracted exhaustively with petrol (60–80°). The material precipitating on cooling yielded, from MeOH, xanthoxyletin (0.3% fr. leaf wt; m.p., m.m.p., IR, TLC, comparison with authentic material).⁵ Concentration of the filtrate to a small vol. yielded a brown precipitate. The Me₂CO insoluble waxes from this precipitate were discarded and a portion of the Me₂CO soluble fraction yielded from EtOH bergapten (0.3% fr. leaf wt; m.p., m.m.p., IR, TLC, comparison with authentic material).⁵ The remainder of the Me₂CO soluble fraction was heated with petrol (60–80°) and the residue yielded, from MeOH, limettin (0.005% of fr. leaf wt; m.p., IR, TLC, MS,⁸ comparison with authentic material).

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