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COUMARINS FROM *ATALANTIA MISSIONIS*

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Key Word Index—*Atalantia missionis*, Rutaceae; isopimpinellin; ostruthin.

Plant. *Atalantia missionis* Oliver collected from Hooghly district of West Bengal, India (Voucher specimen No. 102 is kept in the Department of Chemistry, Bose Institute, Calcutta.)

Isolation. The petrol. (b.p. 60–80°) extract of the dry leaves of *A. missionis* upon column chromatography over silica gel furnished a pale yellow compound, m.p. 150–151°, $C_{13}H_{10}O_5$ (M^+ 246); ν_{\max}^{Nujol} 1730 cm^{-1} (coumarin lactone ring). These data together with mass and NMR spectra indicated the compound to be isopimpinellin. This was confirmed by direct comparison of m.m.p., TLC, and IR spectra with an authentic sample.

The petrol. extract of the root and stem bark of the same plant on concentration yielded a compound in 4.1% yield. It was crystallized from C_6H_6 -petrol., m.p. 116–118°, $C_{19}H_{22}O_3$ (M^+ 298); λ_{\max}^{EtOH} 335, 258 and 249 nm. The MS of the compound showed a peak at m/e 175 arising out of loss of 1.23 m.u. from the molecule. There was also a peak at m/e 123 due to the ion $C_9H_{15}7^+$. The above data together with the NMR spectrum indicated the compound to be ostruthin which was confirmed by comparison of m.m.p., TLC, UV and IR spectra with an authentic sample.

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PREGEIJEREN, HAUPTKOMPONENTE DES ÄTHERISCHEN WURZELÖLS VON *RUTA GRAVEOLENS**

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Key Word Index—*Ruta graveolens*; Rutaceae; root; essential oil; pregeijeren.

Pflanze. *Ruta graveolens* L. var. *hortensis* (Mill.) Gams. Botanischer Garten der Universität Hamburg. Über das ätherische Öl der grünen Pflanzenteile liegen zahlreiche Arbeiten

* 4. Mitt. der Reihe "Über ätherische Öle von Rutaceen". 3. Mitt. KUBECZKA, K.-H. (1971) *Herba Hungarica* 10, 109.