

Rutacultins stützen die kürzlich mitgeteilten Vorstellungen über die Biosynthese der C3-substituierten Cumarine.^{2,7}

EXPERIMENTELLES

Eine ausführliche Beschreibung der bisher durchgeführten Isolationsarbeit soll im Zusammenhang an anderer Stelle erfolgen.⁸ Rutamarin-Alkohol: Schmp. 165° (Benzol), 118–119° (Äthanol/Wasser)

λ	589	578	546	436	405
$[\alpha]^{25}_D$	+2,2	+8,8	+13,2	+16,5	+16,5
(c = 1,82 CHCl ₃). Rutacultin: Schmp. 104–105° (Methanol). $\lambda_{\text{max}}^{\text{MeOH}}$: 340–342, 295, 287 infl., 258 infl., 252, 232 nm. log ϵ : 4,10; 3,79; 3,75; 3,75; 3,79; 4,10.					

Anerkennung—Eine Probe authentischen rutacultin verdanken wir Herrn Professor Dr. E. Reinhard, Pharmakognostisches Institut der Universität Tübingen.

⁷ K. SZENDREI, E. MINKER, I. NOVÁK und J. REISCH, *Herba Hungarica* 9, 33 (1970).

⁸ K. SZENDREI *et al.*, *Herba Hungarica*, im Druck.

Key Word Index—*Ruta graveolens*; Rutaceae; rutacultin; rutamarin alcohol.

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FURANOCOUMARINS FROM *PONCIRUS TRIFOLIATA* AND *PTELIA BALDWANII*

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Plant. Poncirus trifoliata and *Ptelia baldwanii*. *Source*. Collected near Teagu, Korea, and Concord, California, respectively, in the Fall of 1970. *Previous work*. Phytochemical screen on *P. trifoliata*.¹

Isolation. Dried seeds (1.6 kg) of the former and dried stems (0.2 kg) of the latter were extracted with light petroleum (30–60°). Concentration and chromatography over an alumina (grade V) furnished imperatorin (*P. trifoliata*) and heraclenin (prangenin) (both plants). Compounds were identified by spectral methods and by direct comparison with authentic samples.

¹ L. K. WOO and H. S. KIM, *Yakhak Hoeji* 8, 35 (1964).

Key Word Index—*Poncirus trifoliata*; *Ptelia baldwanii*; Rutaceae; imperatorin; heraclenin.