FLAVONOIDS FROM *PASSIFLORA TRINERVIA* AND *PASSIFLORA SANGUINOLENTA*

AYHAN ULUBELEN

Faculty of Pharmacy, University of Istanbul, Istanbul, Turkey

and

TOM J. MABRY*

Department of Botany, University of Texas, Austin, TX 78712

As a part of our continuing study (1-7) of the genus *Passiflora*, we report here the flavonoids obtained from two species placed in the subgenus *Psilantha*, *Passiflora trinervia* (Juss.) Pers. and *P. sanguinolenta* Mast.

EXPERIMENTAL

GENERAL EXPERIMENTAL PROCEDURES.—Spectra were recorded with the following instruments: uv, Varian Techtron model 635; pmr, Varian 90 MHz. Adsorbants for tlc and cc were from E. Merck. Sephadex LH-20 was from Pharmacia.

PLANT MATERIALS.—*Passiflora trinervia* was collected near Ascelento, Dept. Quindio, Columbia (voucher, Escobar No. 1013). The second species, *P. sanguinolenta*, was collected in Loja, Ecuador (Escobar Nos. 1539A and 1540). Vouchers of both species are deposited in the Herbarium of the University of Texas, Austin.

EXTRACTION AND ISOLATION OF THE FLAVONOIDS.[1]—Dried leaves of *P. trinervia* (100 g) and *P. sanguinolenta* (100 g) were worked up by standard procedures (1-5). The compounds obtained from *P. trinervia* were vitexin (5 mg), isovitexin (15 mg), luteolin 7-O-galactoside (30 mg), luteolin 7-O-galactoside (15 mg), esculetin (10 mg), isoorientin (7 mg). *P. sanguinolenta* yielded isovitexin (10 mg), luteolin 7-O-glucoside (17 mg), luteolin 7-O-galactoside (13 mg), xylosylvitexin (5 mg), apigenin (15 mg), apigenin 7-O-glucoside (25 mg) and luteolin (10 mg).

All flavonoids were identified by spectral and hydrolytic data, as well as by standard sample comparisons and color reactions (8).

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[1]Full details of isolation and identification of the compounds are available on request to the senior author.