

## CONSTITUENTS OF *SENECIO HOLLERMAYERII*

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**Key words:** *Senecio hollermayerii*; acetophenones; flavonoids; coumarins.

**Plant.** *Senecio hollermayerii* Cabr. (Compositae), aerial parts, collected in January 1979 in Puyehue National Park,<sup>1</sup> Chile. A voucher sample is on deposit in the herbarium of the Natural History Museum, Santiago, Chile.

**Uses in traditional medicine.** Very toxic plant.

**Previously isolated classes of constituents.** None.

**New-isolated constituents.** Piceol (0.0002%), scopoletin (0.004), scopoletin-7-O- $\beta$ -D-glucoside (scopolin) (0.008), piceol-4- $\beta$ -O-D-glucoside (picein) (0.005), chrysoeriol-7- $\beta$ -O-D-glucoside (0.001) and cosmosin (0.0002).

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## CONSTITUENTS OF *CENTAUREA CHILENSIS*

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**Key words:** *Centaurea chilensis*; flavonoids.

**Plant.** *Centaurea chilensis* Hook. et Arn. (Compositae), leaves and stems, collected in Salamanca, 31° 45' S, 71° W, during summer 1982. A voucher sample is on deposit in the herbarium of the Natural History Museum, Santiago, Chile.

**Uses in traditional medicine.** General infections, treatment of kidney stones, rheumatic disorders.<sup>1</sup>

**Previously described classes of constituents.** Sesquiterpenes,<sup>2,3</sup> flavonoids<sup>4</sup> and guaianolides.<sup>5</sup>

**New-isolated constituents.** 8-Methoxy-apigenin (0.035%), 8-methoxy-luteolin (0.013%), and taxifolin (0.005%).

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## FLAVONOIDIC CONSTITUENTS OF *GARCINIA XANTHOCHYMUS* LEAVES

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**Key words:** *Garcinia xanthochymus*; flavonoids.

Plant. *Garcinia xanthochymus* Hook f. (Guttiferae), dried leaves, collected in December, 1988 from Botanical Garden, Calcutta, India, identified by Prof. Wazahat Husain, Department of Botany, Aligarh Muslim University, Aligarh; voucher specimen No. Husain 3098, Aligarh Muslim University, Herbarium, Aligarh.

Previously isolated classes of constituents. Xanthones,<sup>1,6</sup> biflavonoids,<sup>3,5</sup> benzophenones,<sup>3,4,6</sup> terpenoids.<sup>7</sup>

New-isolated constituents. Agathisflavone (from 3 g, 35 mg). 7-O-methylamentollavone (50 mg) and vitexin (40 mg).

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## ALKALOIDS OF *XYLOPIA AETHIOPICA*

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**Key words:** *Xylopia aethiopica*; aporphine alkaloids.

Plant. *Xylopia aethiopica* A. Rich. (Annonaceae), air-dried leaves (1 kg), collected in April 1988 from the village Snagbandou (East Guinea), identified by Prof.