

# A Phenol Glucoside, Uncommon Coumarins and Flavonoids from *Pelargonium sidoides* DC

Tanja Gödecke, Maki Kaloga, and Herbert Kolodziej

Institut für Pharmazie, Pharmazeutische Biologie, Freie Universität Berlin, Königin-Luise-Str. 2+4, D-14195 Berlin, Germany

Reprint requests to Prof. Dr. H. Kolodziej. Fax: +30-838-53729.

E-mail: kolpharm@zedat.fu-berlin.de

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Structural examination of the metabolic pool of the aerial parts of *Pelargonium sidoides* DC has led to the isolation of two new metabolites, 4-allyl-2,5-dimethoxyphenol-1- $\beta$ -D-glucopyranoside and 6,7-dihydroxycoumarin-8-sulfate, along with a series of uncommon compounds including (2R,3R)-(+)-dihydroquercetin-3- $\beta$ -glucopyranoside, (2R,3R)-(+)-dihydrokaempferol-3- $\beta$ -glucopyranoside, fraxetin-7- $\beta$ -glucopyranoside, 7-methoxycoumarin-6- $\beta$ -glucopyranoside, umckalin, orientin-2''-gallate, and isoorientin-2''-gallate. They are accompanied by the widespread isoorientin, orientin, fraxetin, (2R,3S)-epigallocatechin-3-gallate, gallic acid and protocatechuic acid. The structures of the compounds were established from spectroscopic studies. Determination of configurations was achieved by circular dichroism.

*Key words:* *Pelargonium sidoides*, Phenol Glucoside, Coumarins, C-Glycosylflavones, Dihydroflavonols