Dorycnioside, a New Phenylbutanone Glucoside from *Dorycnium pentaphyllum* subsp. *herbaceum*

Georgios Kazantzoglou, Prokopios Magiatis*, Georgios Panoutsopoulos, and Alexios-Leandros Skaltsounis

Division of Pharmacognosy and Natural Products Chemistry, University of Athens, Panepistimiopolis Zografou, GR-15771 Athens, Greece.
Fax: +30 210-7274594. E-mail: magiatis@pharm.uoa.gr

* Author for correspondence and reprint requests

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A new phenylbutanone glucoside, dorycnioside, was isolated from the methanol extract of the aerial parts of *Dorycnium pentaphyllum* subsp. *herbaceum* Vill. (Rouy) and identified as 4-(4′-*O*-*β*-D-glucopyranosyl-3′,5′-dimethoxyphenyl)-2-butanone (**1**). In addition, two known phenylbutanone glucosides, five flavonoids, one cyanogenic glucoside, one cyclitol and one hydroquinone glucoside were also isolated and identified. The major constituent of the methanol extract was found to be myricitrin. The structure of **1** was elucidated on the basis of its spectroscopic data. It is the first time that derivatives of phenylbutanone are isolated from the Leguminosae family.

Key words: Dorycnioside, Phenylbutanone, *Dorycnium pentaphyllum*