


Turkish Journal of Chemistry

Turkish Journal

of

Chemistry

 [Keywords](#)
 [Authors](#)



chem@tubitak.gov.tr

[Scientific Journals Home](#)
[Page](#)

Neolignan and Phenylethanoid Glycosides from *Verbascum salviifolium* Boiss

Neolignan and Phenylethanoid Glycosides from *Verbascum salviifolium* Boiss
Zeliha Ş. AKDEMİR, İ. İrem TATLI

Hacettepe University, Faculty of Pharmacy, Department of Pharmacognosy,
06100, Ankara-TURKEY

e-mail: zakdemir@hacettepe.edu.tr

Erdal BEDİR

Ege University, Faculty of Engineering, Department of Bioengineering,
35100, Bornova-İzmir-TURKEY

Ikhlas A. KHAN

The University of Mississippi, School of Pharmacy, National Center for
Natural Products Research, Research Institute of Pharmaceutical Sciences,
University MS 38677 USA

Abstract: From the aerial parts of *Verbascum salviifolium* Boiss., 2 neolignan glucosides, dehydrodiconiferyl alcohol-9'-O- β -D-glucopyranoside (1) and dehydrodiconiferyl alcohol-9-O- β -D-glucopyranoside (2), along with 5 phenylethanoid glycosides, acteoside (= verbascoside) (3), β -hydroxyacteoside (4), forsythoside B (5), angoroside A (6) and martynoside (7), were isolated. The structure elucidation of the isolated compounds was established on the basis of spectroscopic evidence. Compounds 1-7 demonstrated scavenging properties toward the 1,1-diphenyl-2-picrylhydrazyl (DPPH) radical in TLC autographic and spectroscopic assays.

Key Words: *Verbascum*, Scrophulariaceae, neolignan glucosides, phenylethanoid glycosides, radical scavenging activity

Turk. J. Chem., **28**, (2004), 621-628.

Full text: [pdf](#)

Other articles published in the same issue: [Turk. J. Chem., vol.28, iss.5.](#)