

Turkish Journal of Chemistry

Turkish Journal

of

Chemistry

Chromatographic Determination of Phenolic Acids in the Snowdrop by HPLC

Mustafa TÜZEN

Gaziosmanpaşa University, Department of Chemistry, 60250

Tokat-TURKEY

e-mail: mtuzen@gop.edu.tr

Mustafa ÖZDEMİR

Karadeniz Technical University, Department of Chemistry, 61080

Trabzon-TURKEY

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



chem@tubitak.gov.tr

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

Abstract: Free and esterified phenolic acids of *Galanthus elwesii* (snowdrop) were extracted with petroleum ether and determined by HPLC. Cinnamic, ferulic, vanillic, p-coumaric, p-hydroxy benzoic, and caffeic acids were detected by a linear gradient elution with acetic acid/water (2:98 v/v) and acetic acid/acetonitrile/water (2:30:68 v/v) as the mobile phases in 30 min with a flow rate of 1.5 mL/min. Among the acids from snowdrop extracts, p-hydroxy benzoic was the major constituent followed by vanillic and ferulic acids.

Key Words: *Galanthus elwesii* (snowdrop), phenolic acids, HPLC

Turk. J. Chem., **27**, (2003), 49-54.

Full text: [pdf](#)

Other articles published in the same issue: [Turk. J. Chem., vol.27, iss.1.](#)