

Turkish Journal of Chemistry

Turkish Journal

of

Chemistry

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



chem@tubitak.gov.tr

[Scientific Journals Home
Page](#)

Differential Pulse Polarographic Determination of Enalapril Maleate

Fikriye ELMALI, Güzin ALPDOĞAN
Yıldız Technical University, Faculty of Science and Arts,
Department of Chemistry,
34210, Davutpaşa, İstanbul-TURKEY

Şule AYCAN
Celal Bayar University, Faculty of Science and Arts,
Department of Chemistry, Manisa-TURKEY
Sıdıka SUNGUR

Yıldız Technical University, Faculty of Science and Arts,
Department of Chemistry,
34210, Davutpaşa, İstanbul-TURKEY

Abstract: A differential pulse polarographic (DPP) method has been developed for the quantitative analysis of enalapril maleate. Enalapril maleate gives a peak at -1.4 V in methanol. A calibration curve was constructed for the 20 -100 $\mu\text{g ml}^{-1}$ concentration range. As a reference method, a reversed phase high performance liquid chromatographic procedure has been developed. Commercially available tablets were analysed by the two methods. Statistical evaluations indicated that there was no significant difference between the mean values and precisions of the two methods at a 95% confidence level.

Key Words: Differential pulse polarography, high performance liquid chromatography, enalapril maleate, tablets

Turk. J. Chem., **27**, (2003), 65-70.

Full text: [pdf](#)

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