

## Determination of captopril in pharmaceutical forms by stripping voltammetry

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### Abstract

A voltammetric procedure is developed for determining captopril in pharmaceuticals. It is based on the preliminary electrochemical accumulation of the captopril oxidation product on a platinum electrode in a 0.1 M HNO<sub>3</sub> solution at 1.2 V versus a saturated silver-silver chloride electrode. The reduction current of the oxidation product is a linear function of captopril concentration in the range from  $1.2 \times 10^{-6}$  to  $3.2 \times 10^{-4}$  M. The determination limit is  $9.2 \times 10^{-7}$  M. The relative standard deviation is between 1 and 4%. © Pleiades Publishing, Inc., 2006.

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