

# Polarographic Behaviour Of Nitrendipine

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Nifedipine, a calcium antagonist drug, produces a well-defined polarographic wave due to the four-electron, four-proton reduction of the nitro group. This peak is diffusion-controlled and shows a linear dependence on the Nitrendipine concentration. This behaviour is used for analytical purposes in determining Nitrendipine content in commercial preparations. The method is sensitive enough to be applied to single tablet assays. However, the principal advantage lies in the prompt determination. Preparation of the samples is easy and no extraction procedure is required. The method is recommended for uniformity contents studies and stability tests in day-to-day routine analyses. © 1988, Taylor & Francis Group, LLC. All rights reserved.