

Voltammetric and chromatographic assay of trazodone

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Trazodone, a triazolopyridine derivative with antidepressant activity, is irreversibly oxidized in two steps in a large range of scan rates. The first peak shows a linear dependence on trazodone concentration. This behaviour is used for analytical purposes in determining trazodone concentrations in commercial preparations. An original alternative gas-liquid chromatographic method is also developed. Comparison of the chromatographic with voltammetric methods shows that a) both are sensitive enough to be applied to single tablet assays; b) the major advantage of the voltammetric method for analytical purposes lies in the rapid determination of the trazodone content in tablets. Preparation of the samples is easy and no extraction procedure is required. © 1986, Taylor & Francis Group, LLC. All rights reserved.