



Analysis of psychiatric drugs

[

Boulton, A. A. (Alan A.)
Baker, Glen B. (1947-)
Coutts, Ronald Thomson

Humana Press,
c1988

Electronic books

Monografía

In this volume, we hope to cover the major techniques that are presently being used to analyze the actions of drugs used in psychiatry. The contributors of the chapters are active researchers who have considerable practical experience with the techniques they are describing, and the emphasis in the chapters is on three types of psychiatric drugs, namely antidepressants, antipsychotics, and anxiolytics. The first chapter, by Curry and Yu, discusses protein binding of psychotropic drugs, with special reference to equilibrium analysis as the method of assessment and to lipophilicity correlations. Since many of the drugs used in treating psychiatric disorders are bound extensively to protein, this aspect is of great importance with regard to their therapeutic actions and toxicity. Basic mathematical models, techniques for the study of protein binding, molecular aspects of protein binding, binding in relation to lipophilicity, indirect approaches to measurement of the fraction of drug bound, the function of protein binding, and tissue binding are among the topics discussed. Chapter 2, by Norman and Brown, deals with the principles of isotope derivative assays and their applications to antidepressants and antipsychotics; extensive protocols are provided. The third chapter, by Cooper, deals with analysis by gas-liquid chromatography. Sample collection and storage, extraction procedures, column selection, use of internal standards, types of detectors, techniques of application, and applications to specific drugs are among the topics discussed.

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjE0OTY2MDA>

Título: Analysis of psychiatric drugs [electronic resource] edited by Alan A. Boulton, Glen B. Baker, and Ronald T. Coutts

Editorial: Clifton, N.J. Humana Press c1988

Descripción física: 1 online resource (558 p.)

Mención de serie: Neuromethods 10

Nota general: Description based upon print version of record

Bibliografía: Includes bibliographies and index

Contenido: Protein Binding of Psychotropic Drugs -- Isotope Derivative Assays for Psychotropic Drugs -- GasLiquid Chromatography of Antidepressant, Antipsychotic, and Benzodiazepine Drugs in Plasma and Tissues -- Gas Chromatographic Mass Spectrometric Analysis of Antidepressants, Neuroleptics, and Benzodiazepines -- High-Performance Liquid Chromatographic Analysis of Antidepressants, Neuroleptics, and Benzodiazepines -- Principles of Radioreceptor Assays -- Application of Immunoassay Techniques in Psychopharmacology -- Drug Screening for Benzodiazepines, Antidepressants, and Neuroleptics -- In Vitro and Ex Vivo Neurochemical Screening Procedures for Antidepressants Neuroleptics Benzodiazepines -- Animal Models for Assessing Anxiolytic, Neuroleptic, and Antidepressant Drug Action -- High-Affinity Binding of Antidepressants to Platelets and Brain Tissues -- Structure-Activity Relationships at the Benzodiazepine Receptor

Lengua: English

ISBN: 1-280-83701-2 9786610837014 1-59259-615-0

Materia: Antidepressants- Analysis Tranquilizing drugs- Analysis

Autores: Boulton, A. A. (Alan A.) Baker, Glen B. (1947-) Coutts, Ronald Thomson

Enlace a formato fisico adicional: 0-89603-121-7

Punto acceso adicional serie-Título: Neuromethods 10

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es