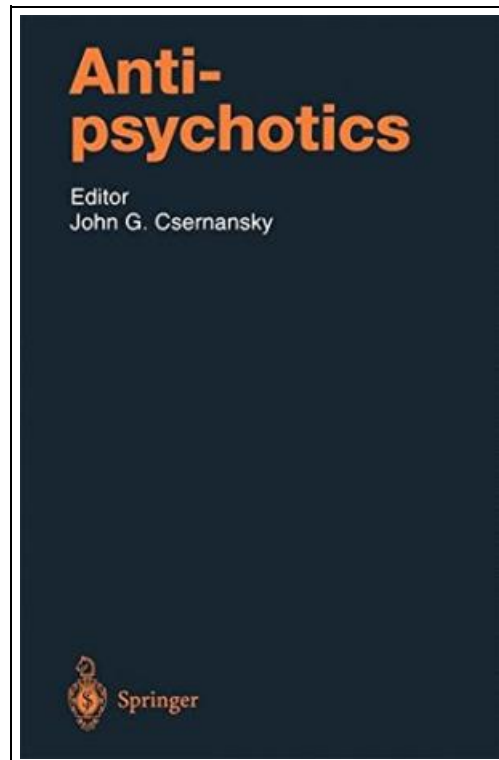


Antipsychotics



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Reviews

Just no phrases to describe. It typically does not price an excessive amount of. It is extremely difficult to leave it before concluding, once you begin to read the book.
(Felton Hessel)

ANTIPSYCHOTICS



Condition: New. Publisher/Verlag: Springer, Berlin | With contributions by numerous contributors | Antipsychotic drugs were first discovered in 1953, and not since the late 1970s has the Handbook of Experimental Pharmacology taken up this topic. A new treatment of this topic would be due under any circumstances; however, this is now particularly true, since remarkable progress has been made on several fronts in furthering our understanding of the mechanisms of antipsychotic drug action. First, we have learned that schizophrenia is an illness with particular neuroanatomical abnormalities, many of which suggest that the illness is caused by errors in neurodevelopment. These findings have helped to form a context for understanding neurochemical aberrations in the illness and suggest new approaches for pharmacological treatment. Propelled forward by rapid advances in neurochemical anatomy, current pathophysiological hypotheses of schizophrenia and antipsychotic drug action have taken on the appearance of complex electrical circuit diagrams. Second, molecular biology studies have now revealed that there is a multiplicity of dopamine receptors (i. e. , D₁, D₂, D₃, D₄, D₅, and D₆), some of which may become entirely new targets for antipsychotic drug action. Ironically, the development of drugs that are selective for these receptors and that can be used to investigate their function lags behind; yet the discovery of these new receptors offers unparalleled opportunities for developing drugs with improved efficacy and fewer side effects. | 1 Classification Schemes for Antipsychotic Drugs.- A. Introduction.- I. Historical Perspective.- B. Classification by Patterns of Efficacy and Neurological Side Effects.- C. Classification by Chemical Structure.- I. Phenothiazines.- II. Thioxanthenes.- III. Butyrophenones.- IV. Diphenylbutylpiperidines.- V. Indoles.- VI. Benzamides.- VII. Dibenzapines.- VIII. Others.- D. Classification by Potency and Nonneurologic Side-Effect Profile.- E. Classification by Pharmacological Mechanism.- I. Selective Dopamine Receptor D₂ Antagonists.-...



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