

# Essential Psychopharmacology

### Neuroscientific Basis and Clinical Applications

### STEPHEN M. STAHL, M.D., Ph.D.

Director Clinical Neuroscience Research Center and Adjunct Professor of Psychiatry University of California, San Diego

> With Illustrations by Nancy Muntner



٤,

•

## **CONTENTS**

#### PART 1: NEUROSCIENTIFIC BASIS OF CLINICAL PSYCHOPHARMACOLOGY

Chapter 1 Principles of Chemical Neurotransmission	1
Chapter 2	1
Receptors and Enzymes as the Targets of Drug Action	19
Chapter 3	
Special Properties of Receptors	48
Chapter 4	
Chemical Neurotransmission as the Target of Disease Actions	69
PART 2: PSYCHIATRIC MEDICATIONS AND PSYCHIATRIC DISORDERS	
Chapter 5	
Depression	99
Chapter 6	
Antidepressants and Mood Stabilizers	131
Chapter 7	
Anxiolytics and Sedative-Hypnotics	167
Chapter 8	
Drug Treatments for Obsessive Compulsive Disorder, Panic Disorder and Phobic Disorders	216
	iv

۰.

;

#### x Contents

;

Chapter 9 Psychosis and Schizophrenia	249
Chapter 10	
Conventional Neuroleptic Drugs for Schizophrenia and Novel Antipsychotic Agents	263
Chapter 11	
Cognitive Enhancers and Neuroprotective Agents	289
Chapter 12 Drugs of Abuse	332
Suggested Reading	367
Index	371