CONTENTS

PREFACE vii

CONTRIBUTORS ix

1 Chemical Perspective on Neurotransmission and Drug Discovery for the Central Nervous System 1
2 Cognition 15
3 Cholinergics/Anticholinergics/Muscarinics/Nicotinics 61
4 CNS Stimulants 89
5 Anticonvulsants 121
6 Antipsychotic Agents 161
7 Antidepressants 219
8 Therapeutic Agents for the Treatment of Migraine 265
9 Approaches to Amyloid Therapies for the Treatment of Alzheimer’s Disease 329
10 Non-amyloid Approaches to Alzheimer’s Disease 405
11 Stroke Therapy 447
12 Therapeutic and Diagnostic Agents for Parkinson’s Disease 529
13 Opioid Receptor Ligands 569
14 PET and SPECT in Drug Development 737

INDEX 749