CONTENTS

JAVIER GARZÓN, RÜDIGER SCHULZ, AND ALBERT HERZ. Evidence for the ε-Type of Opioid Receptor in the Rat Vas Deferens .................................................. 1

DENNIS B. MCKAY, ROBERT S. ARONSTAM, AND ALLAN S. SCHNEIDER. Interactions of Microtubule-Active Agents with Nicotinic Acetylcholine Receptors: Relationship to Their Inhibition of Catecholamine Secretion by Adrenal Chromaffin Cells ............... 10

GILDA H. LOEW, JOHN NIENOW, JOHN A. LAWSON, LAWRENCE TOLL, AND EDWARD T. UYENO. Theoretical Structure-Activity Studies of β-Carboline Analogs: Requirements for Benzodiazepine Receptor Affinity and Antagonist Activity .............................................. 17


CONSTANCE TOM NOGUCHI, KENNETH L. LUSKEY, AND VINCENZO PAVONE. Dipeptides as Inhibitors of the Gelation of Sickle Hemoglobin ........................................ 40

JOANNE LINEVSKY, MARVIN B. COHEN, KATHLEEN D. KNODE, AND ROBERT I. GLAZER. Effect of Neplanocin A on Differentiation, Nucleic Acid Methylation, and c-myc mRNA Expression in Human Promyelocytic Leukemia Cells .................. 45

ROBERT J. FRAM, PAUL S. CUSICK, JOHN M. WILSON, AND M. G. MARINIUS. Mismatch Repair of cis-Diamminedichloroplatinum(II)-Induced DNA Damage ........................................ 51


PETER P. FU, LINDA S. VON TUNGEI, AND MING W. CHOU. Stereoselective Metabolism of 7-Chlorobenz(a)anthracene by Rat Liver Microsomes: Absolute Configurations and Optical Purities of trans-Dihydriodl Metabolites .............................................. 62

COSETTE J. SERABJIT-SINGH, JOHN R. BEND, AND RICHARD M. PHILPOT. Cytochrome P-450 Monoxygenase System: Localization in Smooth Muscle of Rabbit Aorta ................................................................. 72

CHUNG-HER JENH, PAMELA K. GEYER, FRED BASKIN, AND LEE F. JOHNSON. Thymidylate Synthase Gene Amplification in Fluorodeoxyuridine-Resistant Mouse Cell Lines .............................................................. 80

ITALO MACCHETTI, JOAN P. SCHWARTZ, AND ERMINIO COSTA. Use of mRNA Hybridization and Radioimmunoassay to Study Mechanisms of Drug-Induced Accumulation of Enkephalins in Rat Brain Structures ........................................... 86