Special Section
Pharmacology 1983;27:I-VI

Contents, Vol. 27, 1983

International Journal of Experimental and Clinical Pharmacology
Founded 1959 as ‘Medicina Experimentalis’, continued 1965-1967
as ‘Medicina et Pharmacologia Experimentalis’

Editors

Editorial Board
A.P. Alvares, Bethesda, Md. P.B. Andreasen, Hellerup L. Aronow, Bethesda, Md. L.Z. Benet,
N.Y. I. Bíhler, Winnipeg J.F. Borzelleca, Richmond, Va. A. Brekenridge, Liverpool U. Breyer-
G.I. Drummond, Calgary D.R. Ferguson, Cambridge J. Fishman, New York, N.Y. J.R. Fouts,
L.S. Harris, Richmond, Va. M.D. Hollenberg, Calgary, Alberta J. Jacob, Paris
N. Kaplowitz, Los Angeles, Calif. A. Kappas, New York, N.Y. R. Kato, Tokyo
J. Koch-Weser, Basel
O. Kraupp, Wien
W. Kraupp, Hannover
B.N. La Du, Ann Arbor, Mich.
L. Lemberger, Indianapolis, Ind.
P. Lomax, Los Angeles, Calif.
B.R. Lucchesi, Ann Arbor, Mich.
W.R. Martin, Lexington, Ky.
N.H. Neff, Washington, D.C.
F. Neumann, Berlin
R.I. Ogilvie, Montreal
D.M. Paton, Auckland
D.M.J. Quastel, Vancouver
D. Regoli, Sherbrooke
M.M. Reidenberg, New York, N.Y.
W.B. Severs, Hershey, Pa.
The Pharmacology of Verapamil. V. Tissue Distribution of Verapamil and Norverapamil in Rat and Dog
Hamann, S.R.; Todd, G.D.; McAllister, R.G., Jr
1
Calcium Channel Antagonists Verapamil and Gallopamil Are Powerful Inhibitors of Acid Secretion in Isolated and Enriched Guinea Pig Parietal Cells
Sewing, K.-F.; Hannemann, H
9
Hormonal and Cholinergic Influences on Pancreatic Lysosomal and Digestive Enzymes in Rats
Evander, A.; Ihse, I.; Lundquist, I
15
Central Effects of Prostaglandin F2α on the Cardiovascular System in the Rat
Ono, N.; Furukawa, T
23
Effect of Cancer Chemotherapeutic Agents on the Chemiluminescence of Human Granulocytes
Matamoros, M.C.; Walker, B.K.; Van Dyke, K.; Van Dyke, C.J
29
New Anticonvulsants Derived from 4-AIyl-2-Methoxyphenol (Eugenol): Comparison with Common Antiepileptics in Mice
Dallmeier Zelger, K.R.; Zelger, J.L.; Carlini, E.A
40
Drug Antagonism Studied on Frog Flexor Reflex and on Mouse Motility
Molinengo, L.; Orsetti, M  50

Enzymatic Reduction of Chloramphenicol and Nitrosochloramphenicol by Rat Liver
Microsomal Preparations
Lim, L.O.; Yunus, A.A  58

No. 2 Original Paper
Asbestos and Benzo(a)pyrene Synergism in the Transformation of Syrian Hamster Embryo Cells
DiPaolo, J.A.; DeMarinis, A.J.; Doniger, J  65

Diminished Conjugation of Products of Mixed-Function Oxidation in Perfused Livers from
Hypophysectomized Rats
Al-Turk, W.A.; Reinke, L.A  74

Effect of Baclofen Enantiomorphs on the Spinal Trigeminal Nucleus and Steric Similarities
of Carbamazepine
Terrence, C.F; Sax, M.; Fromm, G.H.; Chang, C.-H.; Yoo, C.S  85

IV
Contents
Displacement of Alpha- and Beta-Radioligands by Specific Adrenergic Agonists in Rat
Pancreatic Islets
Cherksey, B.; Mendelsohn, S.; Zadunaisky, J.; Altszuler, N  95

Beta-Adrenoreceptor Blockers and CaCl2-Induced Arrhythmias in the Rat: Discrepancies
between Antiarrhythmic Properties and Survival Rate
Evangelista, S.; Grimaldi, G.; Maggi, C.A.; Manzini, S.; Meli, A 103

Glycemic Response to Selected Sympathomimetics in Stressed Normal and Goldthioglucose
Mice
Sandage, B.W., Jr.; Fletcher, H.P 110

Determination of Isoxsuprine in Human Plasma by Gas Chromatography with Electron
Capture Detection
Cova, D.; Colombo, R.; Cellini, G 117

No. 3 Original Paper
Calmodulin Antagonists Enhance Calcium Binding to Calmodulin
Inagaki, M.; Tanaka, T.; Hidaka, H  125

Alterations in Cardiac Performance in Experimentally-Induced Diabetes
Ramanadham, S.; Tenner, T.E., Jr 130

Cardiovascular Effects of Dopamine and Some Methylated and Fluorinated Derivatives in
Pithed Normotensive Rats
Wilffert, B.; Gouw, M.A.M.; Timmermans, P.B.M.W.M.; Zwieten, P.A. van  140

An Attempt to Characterize the Beta-Adrenoceptor Subtype Mediating Tail Skin Temperature
Response of Rats to Acute Administration of Isoproterenol
Fregly, MJ 150

Anaphylaxis-Induced Increase in Plasma Cyclic AMP Dependent on Endogenous Catechol-
amines in Rats
Okabe, E.; Oyama, M.; Kadoya, K.; Kohno, H.; Ito, H  160

Protective Actions of Ibuprofen in Arachidonate-Induced Sudden Death
Roth, D.M.; Burke, S.E.; Lefer, A.M 169

Effect of Drug Pretreatment on the Metabolic Oxidation of Chlorpromazine in Rat
Oforah, E.; Dixon, P.A.F 176
Short Communication
Effects of Naloxone on Serum Corticosterone and Gastric Lesions in Stressed Rats
Dai, S.; Chan, M.-Y 180
No. 4 Original Paper
Action of Tetrodotoxin and Verapamil on Cardiac Purkinje Fiber Action Potentials in a Sodium-Free, Calcium-Rich Medium
Posner, P.; Kelleher, D.L 185
Sublingual Absorption of the Quaternary Ammonium Antiarrhythmic Agent, UM-272
Patterson, E.; Stetson, P.; Lucchesi, B.R 192
Antagonism of Pentobarbitone-Induced Respiratory Depression by Naloxone in Rats
Dai, S.; Wong, C.Y.; Ogle, C.W 197
Metabolic Responses to a New Beta-Adrenoceptor Agonist, ICI 118,587, in Conscious Rats
Ichihara, K.; Abiko, Y.; Miura, I.; Nishimura, T 202
Contents V
Adenylate Cyclase in Gastric Mucosal Biopsies from Patients with Achlorhydria. Stimulation by PGE2, Histamine and Gastrointestinal Hormones
Becker, M.; Mederer, S.E.; Ruoff, H.-J 211
Niacin Reduces Oxygen Toxicity in Mouse Alveolar Macrophages
Pearl, R.G.; Raffin, T.A 219
The Effects of SKF 525-A on the Analgesic and Barbiturate-Potentiating Activity of Δ9-Tetrahydrocannabinol in Mice and Rats
Sofia, R.D.; Barry, H., II 223
Pharmacokinetics and in vitro Effects of a 4-Aminobutyric Acid Derivative with Anticonvulsant Action
Bianchi, M.; Quadro, G.; Mourier, G.; Galzigna, L 237
Short Communication
Absence of Effect of Propoxyphene on Antipyrine Kinetics in the Rabbit
Paxton, J.W 241
No. 5 Original Paper
Hemodynamic Characterization of Pinacidil in Rats. Comparison with Hydralazine
Theolen, M.J.M.C; Van Meel, J.C.A.; Wilffert, B.; Timmermans, P.B.M.W.M.; Zwieten, P.A. van 245
Antiarrhythmic and Cardiovascular Actions of the New Antibiotic Agent Pirlimycin Adenylate
Kopia, G.A.; Driscoll, E.M.; Yeung, K.-F.; Lucchesi, B.R 255
Decreasing Inhibitory Potency of Prostaglandin Synthetase Inhibitors during Their Cooxidative Metabolism. Studies on Aminophenols, Pyrazolon Derivatives and 1,3-Diphenylosoexplofuran
Baumann, J.; Bruchhausen, F. von; Wurm, G 267
Dispositional and Pharmacodynamic Characteristics of Brodifacoum in Warfarin-Sensitive Rats
Bachmann, K.A.; Sullivan, T.J 281
Drug-Specificity in the Perturbation of Pulmonary Disposition of Serotonin in Rabbit in vivo
Morita, T.; Mehendale, H.M 289
Effects of Medroxyprogesterone Acetate on Hepatic Glucose Metabolism and Microsomal Enzyme Activity in Rats with Normal and Altered Liver
Stengård, J.H.; Saarni, H.U.; Sotaniemi, E.A 298
No. 6 Original Paper
Postjunctional Localization of Substance P Receptors on the Rat Portal Vein
Mastrangelo, D.; Mathison, R.; Huggel, H 305
Vascular Reactivity to Adrenergic Agents and Neuronal and Vascular Catecholamine Levels in Spontaneously Hypertensive Rats
Sun, C.-L.; Hanig, J.P 319
Effect of Indomethacin on Rats with Grollman Hypertension
Loyke, H.F 325
Anticonvulsant Potency of Common Antiepileptic Drugs in the Gerbil
Frey, H.-H.; Löscher, W.; Reiche, R.; Schultz, D 330
VI Contents
Sodium Reabsorption during Intrarenal Diazoxide Infusion in the Dog
Allen, W.R.; Brouhard, B.H.; Lynch, R.E 336
The Influence of Verapamil on Calcium Transport and Uptake in Segments of Rat Intestine
Pento, J.T.; Johnson, M.E 343
Author Index 350
Subject Index 352
Suppl. 1 Suprofen
Suppl. 2 Zopiclone, a Third Generation of Hypnotics
Proceedings of a Symposium at the 13th CINP Congress, Jerusalem, June 1982