

British Journal of Pharmacology

page

Systematic Pharmacology

- 323 BASIL, B., JORDAN, R., LOVELESS, A.H. & MAXWELL, D.R. A comparison of the experimental anti-arrhythmic properties of acebutolol (M & B 17,803), propranolol and practolol. (SP1, DM1, AP1)
- 335 McDEVITT, D.G., SHANKS, R.G. & SWANTON, J.G. Further observations on the cardiotoxicity of isoprenaline during hypoxia. (SP1)
- 345 BRADLEY, P.B. & BRIGGS, I. Further studies on the mode of action of psychotomimetic drugs: antagonism of the excitatory actions of 5-hydroxytryptamine by methylated derivatives of tryptamine. (SP2, DM2)
- 355 MAXWELL, D.R. & SUMPTER, EILEEN A. A comparison of the actions of some drugs on decerebrate rigidity, muscle spindle activity and α -adrenoceptors. (SP2, DM2, AP1)

Autopharmacology

- 365 COMMISSIONG, J.W. & SEDGWICK, E.M. A pharmacological study of the adrenergic mechanisms involved in the stretch reflex of the decerebrate rat. (AP1)
- 375 CASTANIA, A. & ROTHSCILD, A.M. Lowering of kininogen in rat blood by adrenaline and its inhibition by sympatholytic agents, heparin and aspirin. (AP2, AP1, AP3)
- 383 HANSON, JENNIFER M., MORLEY, J. & SORIA-HERRERA, C. Anti-inflammatory property of 401 (MCD-peptide), a peptide from the venom of the bee *Apis mellifera* (L.). (AP2, DM1)

Pharmacokinetics

- 393 CORONEOS, N.J., KEANEY, N.P., McDOWALL, D.G., PICKERODT, V.W.A., GLYNN, J.P. & ROBERTSON, A. Distribution of pentazocine in blood and brain of the baboon following intravenous injection. (PK3, SP2)

Drug Mechanisms

- 399 GRUNFELD, Y. & SPIEGELSTEIN, M.Y. Effects of *Gymnodinium breve* toxin on the smooth muscle preparation of guinea-pig ileum. (DM1, AP1)

Clinical Pharmacology

- 405 HARRIS, M., JENKINS, M.V. & WILLS, M.R. Phenytoin inhibition of parathyroid hormone induced bone resorption *in vitro*. (CP, DM1)

Pharmacometrics

- 409 ROBINSON, I.C.A.F. & WALKER, J.M. Bioassay of oxytocin on the superfused mammary gland of the mouse using an automatic apparatus. (PM)

Miscellaneous

- 419 BHOOLA, K.D. & COGDELL, R. Electrophoresis of isolated secretory granules from guinea-pig submaxillary gland. (M)

SHORT COMMUNICATIONS

- 425 HILL, R.G. & MILLER, A.A. Antagonism by folic acid of presynaptic inhibition in the rat cuneate nucleus. (SP2)
428 MARSHALL, I. & SMITH, C.B. Acute and chronic morphine treatment and the hydroxylation of [1-¹⁴C]-L-tyrosine in the mouse brain. (SP2, DM2)
431 CURWAIN, B.P. & ENDERSBY, K. Enhancement of pentagastrin-induced gastric acid secretion by clonidine in the conscious dog. (SP3)
435 VEENENDAAL, G.H. & DE WAAL, M.J. Uncoupling activity of the anthelmintic oxcyclozanide in rodents. (DM1)

Systematic Pharmacology

- SP1 Cardiovascular system
SP2 Central nervous system
SP3 Other physiological systems

Pharmacokinetics

- PK1 Storage, distribution, fate
PK2 Synthesis, metabolism
PK3 Uptake, release

CP Clinical Pharmacology,
Experimental Therapy

CT Chemotherapy

M Miscellaneous

Autopharmacology

- AP1 Adrenergic, cholinergic
transmission
AP2 Histamine, kinins, prosta-
glandins, etc.
AP3 Hormones

Drug Mechanisms

- DM1 Molecular, cellular
biochemical, biophysical
DM2 Receptors, antagonism,
potentiation, tolerance

PM Pharmacometrics

PP Psychopharmacology

TX Toxicology

PROCEEDINGS OF THE BRITISH PHARMACOLOGICAL SOCIETY
London, 2-4 January 1974

- 439P LUSH, I.E. (introduced by J.R. Hodges). The effect of mescaline on defaecation in seven inbred strains of laboratory mice.
- 440P DOGGETT, N.S., RENO, H. & SPENCER, P.S.J. The effects of RX 336M and RX 5050M on tests for antidepressant activity in mice.
- 441P GRIFFITHS, P.J., LITTLETON, J.M. & ORTIZ, A. (introduced by G. Brownlee). Chronic administration of acetaldehyde to mice: behavioural and biochemical similarities with chronic ethanol administration.
- 441P LITTLETON, J.M. & RYAN, SUSAN M. (introduced by G. Brownlee). Hypothermia produced by inhibitors of catecholamine biosynthesis.
- 442P GRAHAME-SMITH, D.G. & GREEN, A.R. The role of brain dopamine in the hyperactivity syndrome produced in rats after administration of L-tryptophan and a monoamine oxidase inhibitor.
- 443P GRAHAME-SMITH, D.G. & GREEN, A.R. The role of brain 5-hydroxytryptamine in the hyperactivity produced in rats by lithium and monoamine oxidase inhibition.
- 444P DOLLERY, C.T., LEWIS, P.J. MYERS, M.G. & REID, J.L. Mechanism of the early pressor effect of centrally administered propranolol in the conscious rabbit.
- 445P BEVAN, P., BRADSHAW, C.M. & SZABADI, E. Potentiation and antagonism of neuronal responses to monoamines by methysergide and sotalol.
- 446P BARASI, S. & ROBERTS, M.H.T. Motoneurone field potential responses to iontophoretically applied 5-hydroxytryptamine.
- 447P PREMPEH, A.B.A. & PRINCE, A.K. (introduced by G. Brownlee). The effect of morphine on the choline acetyltransferase population of rat caudate nucleus.
- 447P PRINCE, A.K. & TOATES, P. (introduced by G. Brownlee). The heterogeneity of goldfish brain and muscle choline acetyltransferase.
- 448P MITCHELL, J.F., TABERNER, P.V. & YATES, R.A. Regional distribution of glutamate and γ -aminobutyric acid and their associated enzymes in the frog central nervous system.
- 449P ATTERWILL, C.K. & NEAL, M.J. Partial separation of retinal subcellular particles accumulating labelled γ -aminobutyric acid (GABA) at high and low concentrations.
- 450P DYE, D.J. & TABERNER, P.V. Effects of some clinically used anaesthetics on the enzymes of γ -aminobutyric acid metabolism.
- 451P COLLINS, G.C.S. & TOPIWALA, S.H. The release of [14 C]-taurine from slices of rat cerebral cortex and spinal cord evoked by electrical stimulation and high potassium ion concentrations.
- 452P GILBERT, J.C., SCOTT, A.K. & WYLLIE, M.G. Effects of ethosuximide on adenosine triphosphatase activities of some subcellular fractions prepared from rat cerebral cortex.
- 453P BENNETT, A. & STOCKLEY, HELEN L. Effect of electrode positions on contractions of guinea-pig isolated ileum to electrical stimulation.
- 454P ANSTEY, MARY D., BIRMINGHAM, A.T. & TOMLINSON, D.R. The noradrenaline concentration and the cholinesterase activity of the separated longitudinal and circular layers of muscle of the guinea-pig vas deferens.
- 455P BENNETT, T. & KEMP, P.A. (introduced by A.T. Birmingham). The *in vitro* effects of vinblastine on the nerve-mediated responses of the guinea-pig vas deferens.
- 456P SMALL, R.C. Activation of intramural inhibitory neurones of the rabbit caecum by nicotine.
- 456P LOEW, D.M. & WAITE, R. (introduced by B. Berde). A quantitative assessment of the effects of clonidine on pre-ganglionic sympathetic nerve activity in the cat.
- 457P HARRY, J.D., KNAPP, M.F. & LINDEN, R.J. Antagonism by ICI 66082 of the effects of electrical stimulation on the right ansa subclavia of the dog.
- 458P HOOPER, M., SPEDDING, M., SWEETMAN, A.J. & WEETMAN, D.F. 2-2' Pyridylisatogen tosylate: an antagonist of the inhibitory effects of ATP on smooth muscle.
- 459P BEDWANI, J.R. & MARLEY, P.B. Increased inactivation of prostaglandin E₂ by the rabbit lung during pregnancy.
- 460P MORTON, I.K.M., SAVERYMUTTU, S.M. & WOOD, J.R. Inhibition by prostaglandins of fluid transport in the isolated gallbladder of the guinea-pig.

- 461P FERREIRA, S.H., MONCADA, S. & VANE, J.R. Potentiation by prostaglandins of the nociceptive activity of bradykinin in the dog knee joint.
- 462P HENSBY, C.N. (introduced by E.W. Horton). Reduction of prostaglandin E₂ to prostaglandin F_{2α} by an enzyme in sheep blood.
- 463P BAKHLE, Y.S. & SMITH, T.W. The nature of the tryptamine receptor mediating spasmogen release from rat isolated lungs.
- 463P ROBINSON, D.A., TAYLOR, J.G. & YOUNG, J.M. (introduced by A.W. Cuthbert). The binding affinity of an alkylating muscarinic agonist: acetylcholine mustard.
- 464P GODWIN, S. & SNEDDON, J.M. Factors contributing to the binding of [³H]-5-hydroxy-tryptamine to butanol extracts of rat brain.
- 465P CUTHBERT, A.W. A two-state (allosteric) model for sodium channels in transporting epithelia.
- 466P HODGES, J.R. & VELLUCCI, SANDRA. The effect of reserpine on pituitary-adrenocortical function in the rat.
- 466P BHOOLA, K.D., DOREY, GUNDULA & JONES, C.W. Oestrogen dependence of enzyme activity and intracellular structure in the hamster submaxillary gland.
- 467P SENIOR, JUDITH & WHALLEY, E.T. Effect of oestrogens and progesterone alone and in combination on the female rat plasma kininogen concentrations.
- 468P LEWIS, A.J., NELSON, D.J. & SUGRUE, M.F. Potentiation by prostaglandin E₁ and arachidonic acid of oedema in the rat paw induced by various phlogogenic agents.
- 469P GORDON, J.L. & MACINTYRE, D.E. Inhibition of collagen-induced platelet aggregation by aspirin.
- 470P HOLLINGSWORTH, M. (introduced by H. Schnieden). The *in vitro* rat cervix.
- 470P NOTT, M.W. & WINSLOW, EILEEN. Effects of quazodine on cat fast- and slow-contracting skeletal muscles.
- 471P ODUMOSU, A. & WILSON, C.W.M. The relationship of ascorbic acid to leptazol-induced convulsions in guinea-pigs.
- 472P COHEN, G.M. & DAVIES, D.S. Uptake of propranolol by the isolated perfused rat liver.
- 473P LÜLLMANN, H.L. & LÜLLMANN-RAUCH, RENATE. Lipidosis-like ultrastructural alterations in rat tissues induced by an antidepressant drug (iprindole).
- 474P GIBSON, A. & POLLOCK, D. The involvement of corticosteroids in the supersensitivity produced in the rat anococcygeus muscle by morphine withdrawal or reserpine.
- 475P JASANI, M.K., LEWIS, G.P. & TWEED, M.F. A new approach for studying the anti-rheumatic activity of indomethacin using the homograft reaction as a model for chronic immunologically-mediated inflammation.
- 476P RICHARDSON, P.D.I. (introduced by D.F.J. Mason). Some observations upon the determination of capillary filtration coefficient (CFC) in the innervated small intestine of the anaesthetized cat.
- 477P KIRBY, MARILYN J. & TURNER, P. Effect of fenfluramine and norfenfluramine on glucose uptake by the isolated rat diaphragm.
- 478P ASSEM, E.S.K. The effect of methoxy-derivatives of catecholamines on histamine release from sensitized human leucocytes and its inhibition by the parent compounds.