

# British Journal of Pharmacology

*page*

## Systematic Pharmacology

- 129 JAMES, I.M. & MACDONELL, LINDSAY. Factors affecting the cerebrovascular response to noradrenaline in the dog (SP1, SP2, AP1)
- 145 ARCHER, L.T., BLACK, M.R. & HINSHAW, L.B. Myocardial failure with altered response to adrenaline in endotoxin shock (SP1, DM2, CP)
- 157 GAITONDÉ, B.B. & JOGLEKAR, S.N. Role of catecholamines in the central mechanism of emetic response induced by peruvoside and ouabain in cats (SP2)
- 163 DEY, P.K. & FELDBERG, W. Hyperglycaemia produced by drugs with analgesic properties introduced into the cerebral ventricles of cats (SP2, SP3, AP2)
- 171 CUTTING, D.A. & JORDAN, C.C. Alternative approaches to analgesia: Baclofen as a model compound (SP2)
- 181 SEGAL, M., SIMS, K. & SMISSMAN, E. Characterization of an inhibitory receptor in rat hippocampus: A microiontophoretic study using conformationally restricted amino acid analogues (SP2, DM2)

## Autopharmacology

- 189 FRAME, MADELINE H. & HEDQVIST, P. Evidence for prostaglandin mediated prejunctional control of renal sympathetic transmitter release and vascular tone (AP1, AP2)
- 197 BENNETT, A., ELEY, K.G. & STOCKLEY, HELEN L. The effects of prostaglandins on guinea-pig isolated intestine and their possible contribution to muscle activity and tone (AP2)
- 205 DAVIES, B.N. & WITHRINGTON, P.G. The responses of the isolated blood-perfused spleen of the dog to angiotensin, oxytocin and vasopressin (AP3, SP1)

## Drug Mechanisms

- 213 RIBEIRO, J.A. & WALKER, J. The effects of adenosine triphosphate and adenosine diphosphate on transmission at the rat and frog neuromuscular junctions (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, prostaglandins, 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

Cardiff, 26-27 March, 1975

- 219P PHILLIPS, JEAN L., STURMAN, GILLIAN & WEST, G.B. A possible mode of action of piperazine.
- 220P BADCOCK, JEMIMA K., FORD-HUTCHINSON, A.W., SMITH, M.J.H. & WALKER, J.R. Site of action of an anti-inflammatory fraction from normal human plasma.
- 221P MICHAL, F. & MOTAMED, MINA. Time-dependent potentiation and inhibition by 5-hydroxytryptamine of platelet aggregation induced by ADP.
- 222P JOHNSTON, BARBARA M. & OWEN, D.A.A. The effect of histamine on tissue blood flow in the cat.
- 223P BROADLEY, K.J. A procedure to demonstrate the release of a vasoactive metabolite by catecholamines from perfused guinea-pig hearts.
- 225P RICHARDSON, P.D.I. The effects of glucagon and pentagastrin on capillary filtration coefficient in the innervated jejunum of the anaesthetized cat.
- 226P FOY, J.M. & LUCAS, P.D. Cardiovascular sensitivity of experimentally diabetic and genetically obese pithed rats to autonomic agents.
- 226P ODUMOSU, A. & WILSON, C.W.M. Inhibition of the effects of weight-reducing drugs in guinea-pigs by Vitamin C.
- 227P BADAWEY, A.A.-B., BAILEY-WOOD, R., EVANS, M. & JACOBS, A. (introduced by Graham, J.D.P.). Rat liver tryptophan pyrrolase activity in iron deficiency anaemia.
- 228P AHERNE, G.W., MARKS, V., MORRIS, B.A., PIAL, EVELYN M., ROBINSON, J.D. & TWYCCROSS, R.G. The measurement of serum morphine levels by radioimmunoassay following oral administration of diamorphine or morphine.
- 229P CURRY, S.H. & MOULD, G.P. A microsomal oxidase system in rat intestinal mucosa.

- 230P BRADSHAW, D. & HEMSWORTH, B.A. The acetylation of HC-3 by choline acetyltransferase.
- 231P LIVINGSTON, A. & PHILLIPS, ELIZABETH. Mechanism of accumulation of chlorpromazine in subfractions of rat brain.
- 232P CURZON, G. & MARSDEN, C.A. The effect of L-tryptophan on changes in motor activity caused by parachlorophenylalanine.
- 233P JENNER, F.A., JUDD, A. & PARKER, JUDITH. The effects of lithium, rubidium and caesium on the response of rats to tranlycypromine and  $\alpha$ -methyl-*p*-tyrosine given separately or in combination.
- 234P BROWN, K. & COOPER, S.J. (introduced by D'Arcy, P.F.). Effects of lysergic acid diethylamide on auditory and visual discrimination in the rat.
- 235P PILCHER, C.W.T. & STOLERMAN, I.P. (introduced by Bradley, P.B.). Aversive properties of naloxone in morphine-treated rats.
- 236P ANGLES d'AURIAC, G. & WORCEL, M. Variations in cGMP and cAMP levels in rat uterine smooth muscle induced by carbachol,  $\text{PGF}_{2\alpha}$  and changes in ionic composition.
- 237P BARASI, S. & ROBERTS, M.H.T. The effects of cinanserin and phentolamine applied by microiontophoresis in the spinal cord.
- 238P EVANS, R.H. & WATKINS, J.C. Amino acid receptors on frog spinal motoneurons.
- 238P CROCKER, ANN D. & WILSON, K.A. (introduced by Ferry, C.B.). Sodium and the response of rat descending colon and rat uterus to angiotensin II.
- 239P COLLINS, J.F., HILL, R.G. & ROBERTS, F. A study of tetramethylenedisulphotetramine (TETS) and related compounds as antagonists of presynaptic inhibition and microiontophoretically applied  $\gamma$ -amino-butyric acid (GABA) and glycine in the rat cuneate nucleus.
- 241P HILL, R.G. & TABERNER, P.V. Some neuropharmacological properties of the new non-barbiturate hypnotic etomidate (R (+)-ethyl-1-( $\alpha$ -methyl-benzyl) imidazole-5-carboxylate).
- 242P NICHOLLS, P.J. & SCOULAR, I.T. Preliminary pharmacological study of N,2-dimethyl,2-(*p*-aminophenyl) succinimide.
- 243P KIZER, J.S., KOPIN, I.J. & ZIVIN, J.A. (introduced by Reid, J.L.). Estimates of catecholamine turnover rates in individual hypothalamic nuclei of the rat by use of alpha-methyl-para-tyrosine.
- 244P IVERSEN, S.D., KELLY, P.H., MILLER, R.J. & SEVIOUR, P. (introduced by Iversen, L.L.). Amphetamine and apomorphine responses in the rat after lesion of mesolimbic or striatal dopamine neurones.
- 244P STONE, T.W. Responses of cortical pyramidal tract cells to amantadine and amphetamine after depletion of central catecholamines.
- 245P DOBRZANSKI, S. & DOGGETT, N.S. Effect of dopamine- $\beta$ -hydroxylase inhibitors and centrally administered noradrenaline on (+)-amphetamine anorexia in mice.
- 246P DOLPHIN, A., JENNER, P. & MARSDEN, C.D. The mechanism of the effect of dopamine- $\beta$ -hydroxylase inhibitor FLA-63 on the L-DOPA reversal of reserpine akinesia.
- 247P HALL, R.C. & KEANE, P.E. (introduced by Bradley, P.B.). Dopaminergic and cholinergic interactions in the caudate nucleus in relation to the induction of sleep in the cat.
- 248P FINCH, L., HERSOM, A. & HICKS, P. Hypotensive action of  $\alpha$ -methyldopamine.
- 249P CALDWELL, J. & PUTMAN, J.L. The potentiation of certain effects of amphetamine by inhibitors of prostaglandin synthesis.
- 250P ARTUNKAL, A., MARLEY, E. & STEPHENSON, J.D. Dissociation of bacterial pyrexia from prostaglandin E activity.
- 251P BLATCHFORD, D., HOLZBAUER, M. & YODIM, M.B.H. Substrate and strain-dependent differences in the development of monoamine oxidase in the rat brain.
- 252P GODWIN, S. & SNEDDON, J.M. The specificity of the binding of  $^3\text{H}$ -5-hydroxytryptamine ( $^3\text{H}$ -5-HT) to butanol extracts of rat brain.
- 253P DAY, M.D. & PETERS, A.S. Effect of propranolol treatment on the development of DOCA/saline hypertension in rats.
- 254P DASCOMBE, M.J. & MILTON, A.S. Cyclic adenosine-3',5'-monophosphate in cerebrospinal fluid.
- 255P NAHORSKI, S.R., REES, WENDY & ROGERS, K.J. Cyclic AMP in developing chick brain: changes with ischaemia and catecholamine administration.

- 256P SEWELL, R.D.E. & SPENCER, P.S.J. Antinociceptive activity in mice after central injections of  $\alpha$ - and  $\beta$ -adrenoceptor antagonists.
- 257P BEVAN, P. The uptake of mescaline by rat brain synaptosomes.
- 258P LEVER, J.D., LU, K.-S., PRESLEY, R. & SANTER, R.M. Depleting effects of reserpine on intracellular catecholamines in rat coeliac-mesenteric ganglion.
- 259P CRITCHLEY, J.A.J.H., TIBENHAM, J. ISOBEL, UNGAR, A., WAITE, J. & WEST, CHRISTINE P. The effects of nicotinic and muscarinic agonist drugs on the release of catecholamines from the isolated perfused adrenal glands of the dog.
- 260P APPERLEY, G.H. & LEVY, G.P. Characterization of the  $\beta$ -adrenoceptors of guinea-pig tracheobronchial, skeletal and cardiac muscle.
- 261P McCULLOUGH, D.A. & WALLACE, W.F.M. (introduced by Roddie, I.C.). Inhibition of constrictor responses of the rabbit ear artery by a mixture of oxytetracycline and ascorbic acid.
- 262P JAMES, W.R.L. & THOMAS, A.J. (introduced by Graham, J.D.P.). Adrenergic blockade and the pulmonary pressor response to lactic acid.
- 263P DARWISH, SUZAN A.E. & FURMAN, B.L. Hypoglycaemic action of L-DOPA in nialamide treated mice.
- 263P BARBER, H.E., CALVEY, T.N., MUIR, K.T. & TAYLOR, K. The relation between the plasma concentration of edrophonium, inhibition of erythrocyte acetylcholinesterase, and the facilitation of neuromuscular function in the rat.
- 265P HENDERSON, G. & NORTH, R.A. (introduced by Kosterlitz, H.W.). Presynaptic action of 5-hydroxytryptamine in the myenteric plexus of the guinea-pig ileum.
- 266P JOHNS, A. & PATON, D.M. Effect of rubidium on responses of rabbit vas deferens to transmural stimulation.
- 266P AITKEN, MAUREEN M. & SANFORD, J. Effects of prostaglandins in calves.
- 267P McELHATTON, P.R. & SULLIVAN, F.M. Teratogenic effects of primidone in mice.
- 268P BUTTERWORTH, K.R., CARPANINI, F.M.B., GAUNT, I.F., GRASSO, P. & LLOYD, A.G. A new approach to the evaluation of the safety of flavouring esters.
- 269P CHAPPLE, D.J., HUGHES, R. & JOHNSON, B.F. Cardiotoxicity and the plasma digoxin concentration profile in conscious dogs.
- 271P KELLY, P.H., MILLER, R.J. & NEUMEYER, J.L. (introduced by Iversen, L.L.). Effect of aporphine alkaloids on central dopamine receptors.
- 272P NAHORSKI, S.R. & ROGERS, K.J. The effect of phosphodiesterase inhibitors on the stimulation of cerebral cyclic AMP formation by biogenic amines *in vitro* and *in vivo*.
- 273P CURZON, G. & KNOTT, P.J. Plasma tryptophan changes on environmental disturbance and their prevention by propranolol and nicotinic acid.
- 274P GASCOIGNE, J.E., WILLIAMS, D. & WILLIAMS, E.D. (introduced by Graham, J.D.P.). Histochemical demonstration of an additional form of rat brain MAO.
- 274P BAKER, S.P. & HEMSWORTH, B.A. Some studies on the purification of monoamine oxidase by affinity chromatography.
- 275P JENNER, P., MARSDEN, C.D. & PERINGER, E. Behavioural and biochemical evidence for cerebral dopamine receptor blockade by metoclopramide in rodents.
- 276P GREENWOOD, R., LLOYD, H., MOTTRAM, R.F. & ROBERTS, G. (introduced by Pickles, V.R.). Measurement of metabolism of resting and exercising human skeletal muscle *in situ*.
- 277P LEWIS, M.J.  $\Delta^1$ -Tetrahydrocannabinol and adrenergic mechanisms.
- 277P SPRIGGS, T.L.B. & WYNNE-EVANS, DAPHNE. Ultracryotomy for high resolution drug-localization studies.
- 278P PARNHAM, M.J. & SNEDDON, J.M. Metyrapone inhibits prostaglandin synthesis and release from the pregnant rat uterus *in vitro*.
- 278P PAPADIMITRIOU, A. & WORCEL, M. Action of spasmogenic substances on  $\text{Ca}^{2+}$  movements of rat uterine smooth muscle.
- 279P ISHIZAWA, M. & PICKLES, V.R. A comparison of some smooth-muscle effects of GABA and of prostaglandin  $\text{E}_1$ .
- 280P STEFANDU, J. & WOOSTER, M.J. (introduced by Pickles, V.R.). A superfusion system used for loading and washing out  $^{45}\text{Ca}$  from frog ventricular strips.
- 282P EATON, J.C.R. & HENSON, T.A. (introduced by Armstrong, J.M.). An indirect blood pressure measuring system with digital readout.