

British Journal of Pharmacology

page

Systematic Pharmacology

- 167 BELL, C., CONWAY, E.L., LANG, W.J. & PADANYI, R. Vascular dopamine receptors in the canine hindlimb (SP1, AP1, DM2)
- 173 OWEN, D.A.A. The effects of histamine and some histamine-like agonists on blood pressure in the cat (SP1, AP2)
- 181 FLYNN, SHEILA B. & OWEN, D.A.A. Histamine receptors in peripheral vascular beds in the cat (SP1, AP2, DM2)

Autopharmacology

- 189 COLLIER, B. & KATZ, H.S. Studies upon the mechanism by which acetylcholine releases surplus acetylcholine in a sympathetic ganglion (AP1)
- 199 WALLIS, D.I. & WOODWARD, B. Membrane potential changes induced by 5-hydroxy-tryptamine in the rabbit superior cervical ganglion (AP1)
- 213 ENDEAN, R., ERSPAMER, V., FALCONIERI ERSPAMER, G., IMPROTA, G., MELCHIORRI, P., NEGRI, L. & SOPRANZI, N. Parallel bioassay of bombesin and litorin, a bombesin-like peptide from the skin of *Litoria aurea* (AP2)
- 221 BROCCARDO, M., FALCONIERI ERSPAMER, G., MELCHIORRI, P., NEGRI, L. & DE CASTIGLIONE, R. Relative potency of bombesin-like peptides (AP2)
- 229 NAYLOR, B. & POYSER, N.L. Effects of oestradiol and progesterone on the *in vitro* production of prostaglandin F_{2α} by the guinea-pig uterus (AP2, AP3, PK2)

Drug Mechanisms

- 233 BLACKWELL, G.J., FLOWER, R.J. & VANE, J.R. Rapid reduction of prostaglandin 15-hydroxy dehydrogenase activity in rat tissues after treatment with protein synthesis inhibitors (DM1, AP2)
- 239P PROCEEDINGS OF THE BRITISH PHARMACOLOGICAL SOCIETY, Cambridge, 15-17 September, 1975.

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**

Cambridge, 15-17 September, 1975

- 239P FLOWER, R.J. & KINGSTON, W.P. Prostaglandin D₁ inhibits the increase in vascular permeability in rat skin produced by prostaglandin E₁, E₂ and D₂.
- 240P SACEYFIO, A.C. (introduced by Hicks, R.). A comparison of the histopathological effects of anaphylatoxin (AT) and prostaglandins E₂ (PGE₂) and F_{2α} (PGF_{2α}) in guinea-pig lungs.
- 241P HERMAN, A.G. Release of prostaglandins in the knee joint of the dog during local Shwartzman-like reaction.
- 242P WHITTLE, B.J.R. Gastric acidity and the mechanisms by which prostaglandins prevent indomethacin-induced gastric erosions.
- 243P GEORGE, A.J. The effect of prostaglandin E₁ and E₂ on drug-induced release of [³H]-noradrenaline from rat mesenteric arteries.
- 244P ARMSTRONG, J.M., BLACKWELL, G.L., FLOWER, R.J., McGIFF, J.C. & MULLANE, K. Possible contribution of prostaglandins to genetic hypertension in rats: identification of a biochemical lesion.
- 245P CLANACHAN, A.S. & McGRATH, J.C. Effects of ketamine on the peripheral sympathetic nervous system of the rat.
- 246P BIRMINGHAM, A.T., FENTEM, P.H., YATES, D. & YATES, JANET M. Cardiovascular responses of the anaesthetized cat to lower body negative pressure.
- 247P PATON, D.M. Mechanism of K⁺-induced release of cytoplasmic noradrenaline from adrenergic nerves.
- 248P MUSCHOLL, E., RITZEL, H. & RÖSSLER, K. The time course of noradrenaline release caused by high potassium-low sodium solution. Effects of methacholine or decrease of the calcium ion concentration.
- 249P GHYSEL-BURTON, J. & GODFRAIND, T. Stimulation and inhibition by ouabain of the sodium pump in guinea-pig atria.
- 250P CUTHBERT, A.W. & SHUM, W.K. An attempt to measure the lifetime of sodium channels in transporting epithelia.

- 250P ENGBERG, I., FLATMAN, J.A. & LAMBERT, J.D.C. (introduced by Woodruff, G.N.). DL-Homocysteate-induced motoneurone depolarization with membrane conductance decrease.
- 252P GILBERT, J.C. & WYLLIE, M.G. Synaptic vesicle magnesium-adenosine triphosphatase as a possible site of action of anticonvulsant drugs.
- 252P GOTTFRIED, S., PARKE, D.V., SACRA, P.J. & THORNTON, P.C. Interaction of carbenoxolone sodium with other drugs bound to plasma proteins.
- 253P GREEN, A.R., JOSEPH, M.H. & WOODS, H.F. Tryptophan metabolism by the isolated perfused rat liver.
- 254P LEFORT, J. & VARGAFTIG, B.B. Role of platelet aggregation in bronchoconstriction in guinea-pigs.
- 255P LEWIS, G.P. & WESTWICK, J. The effect of sulphinpyrazone, sodium aspirin and oxprenolol on the formation of arterial platelet thrombi.
- 256P BUTLER, K.D. & WHITE, A.M. The effect of sulphinpyrazone on the thrombocytopenia occurring in the Arthus reaction.
- 257P DRUMMOND, A.H. & GORDON, J.L. Inhibition of 5-hydroxy-[³H]-tryptamine binding to rat blood platelets by 5-HT antagonists and uptake inhibitors.
- 258P LIVSEY, C.J. & SMITH, G.M. A study of the binding of drugs of blood constituents.
- 259P GORDON, J.L. & MacINTYRE, D.E. Effects of prostaglandins E₁, E₂ and D₂ on platelet aggregation: variation with animal species and ionized calcium concentration.
- 260P BUTTERWORTH, K.R., LAKE, B.G., MASON, P.L. & ROWLAND, I.R. Enlargement of the caecum in the rat.
- 261P BLUNDELL, J.E. & CAMPBELL, D.B. The relationship between fenfluramine and norfenfluramine blood levels and anorectic activity in the rat.
- 262P CLARKE, CORAL H., FERRES, HELEN M., NICHOLSON, A.N. & STONE, BARBARA M. Effect of diazepam and a soluble salt of diazepam (fosazepam) on sleep in man.
- 263P BRANCH, R.A., HALLIWELL, M., JACKSON, L. & ROBERTS, C.J.C. The relationships between liver volume and the disposition of antipyrine and indocyanine green before and after phenobarbitone treatment.
- 264P ANGELO, M., DRING, L.G., LANCASTER, R., LATHAM, A. & SMITH, R.L. A correlation between the response to debrisoquine and the amount of unchanged drug excreted in the urine.
- 265P DUCE, I.R. & KEEN, P. A light and electron microscopic study of the accumulation of material in sectioned rat dorsal roots and the effect of demecolcine.
- 265P MILLER, A.A. & WEBSTER, R.A. Proconvulsant action of folic acid.
- 266P TURNBULL, M.J. & WATKINS, J.W. Further observations on the change in sensitivity to halothane induced by acute administration of central nervous system depressant drugs in the rat.
- 267P JENKINS, D.A., MARSHALL, I. & NASMYTH, P.A. Is morphine inhibition of the twitch response of the mouse vas deferens mediated via noradrenaline?
- 268P COLLARD, K.J. & ROBERTS, M.H.T. The effects of chronic lithium administration on the metabolism of L-tryptophan in the rat forebrain.
- 269P HILLIDGE, C.J. & LEES, P. Influence of etorphine acepromazine and diprenorphine on respiratory function in ponies.
- 270P BROOKS, S. & HALLIDAY, J. (introduced by Paterson, G.). Responses of the isolated sphincter of Oddi from the guinea-pig to field stimulation.
- 270P RIGTER, H. (introduced by Leonard, B.E.). Peptide hormones and the extinction of conditioned taste aversion.
- 272P BUCKINGHAM, JULIA C. & HODGES, J.R. Corticotrophin production by rat adenohipophysial segments *in vitro*.
- 272P RICHARDSON, P.D.I. & WITHRINGTON, P.G. The effects of glucagon on the hepatic arterial vasculature of the dog: an inhibition of the effects of vasoconstrictor agents.
- 273P METCALF, G. & MYERS, R.D. Investigations concerning TRH-induced hypothermia in cats.
- 274P FINCH, L. & HICKS, P.E. Central hypertensive action of histamine in rats.
- 275P FORRESTER, P.A. (introduced by Straughan, D.W.). An anticholinergic effect of general anaesthetics on cerebrocortical neurones.

- 276P TABERNER, P.V. The anticonvulsant activity of ketamine in mice following the inhibition of GABA synthesis by mercaptopropionic acid.
- 277P RENAUD, L.P. (introduced by Kelly, J.S.). Response of identified ventromedial hypothalamic nucleus neurones to putative neurotransmitters applied by microiontophoresis.
- 278P BOWERY, N.G. & NEAL, M.J. Failure of denervation to influence the high affinity uptake of choline by sympathetic ganglia.
- 279P COLLINS, G.G.S. The spontaneous and electrically-evoked release of endogenous amino acids from the rat visual cortex.
- 280P HILL, R.G., HORNBY, J. & ROBERTS, F. The actions of GABA on d.c. and field potential recordings from the rat cuneate nucleus.
- 281P EVANS, R.H. & WATKINS, J.C. Bimodal effect of glycine on frog spinal motoneurons.
- 281P HARRIS, J.B. & RIBCHESTER, R.R. Extracellular and intracellular effects of procion brilliant red H3BN on mammalian muscle fibres.
- 282P GRUNDY, H.C. & GRUNDY, H.F. The mechanism of 'adrenaline reversal' in the anaesthetized cat and rabbit.
- 283P FOREMAN, J.C., HALLETT, M.B. & MONGAR, J.L. 45-Calcium uptake in rat peritoneal mast cells.
- 284P BROADLEY, K.J. & LUMLEY, P. Reserpine-induced supersensitivity to the rate and tension responses to isoprenaline and salbutamol of guinea-pig atria.
- 285P HEAZELL, M.A. (introduced by Banerjee, A.K.). Is ATP an inhibitory neurotransmitter in the rat stomach?
- 286P OSBORN, D. (introduced by Jenkinson, D.H.). Comparison of the effects of selective α - and β -receptor agonists on intracellular cyclic AMP levels and glycogen phosphorylase activity in guinea-pig liver.
- 287P KING, J.J. & MAUDSLEY, D.V. Cyclic AMP in HeLa cells stimulated with cholera enterotoxin and methylxanthines.
- 288P DRAY, A., FOWLER, L.J., OAKLEY, N.R., SIMMONDS, M.A. & TANNER, T. Comparison of circling behaviour following unilateral inhibition of GABA-transaminase or discrete electrolytic lesioning in the rat substantia nigra.
- 289P COSTALL, B., MARSDEN, C.D., NAYLOR, R.J. & PYCOCK, C.J. Differences in circling responses following electrolytic and 6-hydroxydopamine lesions of the nigro-striatal pathway.
- 290P DONALDSON, I., DOLPHIN, ANNETTE, JENNER, P., MARSDEN, C.D. & PYCOCK, C. The role of dopamine in rotational behaviour produced by unilateral lesions of the locus coeruleus.
- 291P KELLY, P.H. Action of LSD on supersensitive mesolimbic dopamine receptors.
- 292P DOLPHIN, ANNETTE, JENNER, P. & MARSDEN, C.D. Biochemical evidence for the involvement of noradrenaline in motor activity produced by L-DOPA in rodents.
- 293P IVERSEN, SUSAN D. & MASON, T.S. Impaired response control in the rat after 6-hydroxydopamine lesions to the dorsal noradrenaline bundles.
- 293P AYLMER, C.G.G., STEINBERG, HANNAH & WEBSTER, R.A. Dopamine and drug-induced hyperactivity in rats.
- 295P CROW, T.J., DEAKIN, J.F.W. & LONGDEN, A. Do anti-psychotic drugs act by dopamine receptor blockade in the nucleus accumbens?
- 296P BOULTON, A.A., JUORIO, A.V., PHILIPS, S.R. & WU, P.H. Tyraminerbic mechanisms in rat striatum.
- 297P IVERSEN, L.L., MILLER, R.J. & ROGAWSKI, M. Pre- and postsynaptic actions of neuroleptic drugs.
- 298P BOURNE, R., LAI, J.C.K. & OWEN, F. (introduced by Crow, T.J.). Monoamine oxidase activity in distinct populations of rat brain mitochondria.
- 299P HORN, A.S. & PHILLIPSON, O.T. Noradrenaline-sensitive adenylate cyclase in rat limbic forebrain homogenates: effects of agonists and antagonists.
- 300P NAHORSKI, S.R. & ROGERS, K.J. Altered sensitivity of β -adrenoceptor-mediated cyclic AMP formation in brain.
- 301P BEVAN, P., BRADSHAW, C.M. & SZABADI, E. Comparison of the effects of DOPA and noradrenaline on single cortical neurones.

- 302P REIFFENSTEIN, R.J. & WOYTIUK, E. Induced receptors for noradrenaline and serotonin in guinea-pig vas deferens?
- 303P HAIGH, ELAINE & YOUNG, J.M. The effect of chlorpromazine on carbachol binding to muscarinic receptors in intestinal smooth muscle.
- 304P BOLTON, T.B. Is the latency of parasympathetic nerve effects due to a slow activation of muscarinic receptors? An iontophoretic study.
- 305P CALLINGHAM, B.A. & LYLES, G.A. Changes in the MAO activity with age in the rat vas deferens.
- 306P BARRAND, M.A., CALLINGHAM, B.A., FRY, J.P., MITCHINSON, M.J. & SHARMAN, D.F. Radiochemical assay of catecholamines in blood plasma.
- 306P HARRIS, J.B. & RIBCHESTER, R.R. A method for the micro-injection into mammalian muscle fibres of procion brilliant red H3BN.
- 307P TURNBULL, M.J. & WATKINS, J.W. The use of halothane-induced sleeping time as an index of central nervous system excitability.
- 308P CHAPMAN, D. & DICK, FABIENNE (introduced by Kelly, J.S.). Selective autoradiographic markers for GABA-releasing interneurons and nerve terminals.
- 309P KANAZAWA, I. (introduced by Kelly, J.S.). Topographical study of the distribution of GABA in the human substantia nigra.
- 310P GAUCHY, C.M., IVERSEN, L.L. & JESSELL, T.M. Spontaneous and evoked release of newly synthesized [^{14}C]-GABA from rat brain.
- 311P SZABADI, E. A theoretical model of two functionally opposite receptor populations.
- 312P ENGBERG, I., FLATMAN, J.A. & LAMBERT, J.D.C. (introduced by Woodruff, G.N.). A simple and cheap method of screening glass microelectrodes.
- 312P GOFF, D., MILLER, A.A., SMITH, R.E., SMITH, S.J. & WHEATLEY, P.L. Combined EEG recording and intraventricular administration of drugs in the conscious rat.
- 313P FINCH, L. A centrally-acting antihypertensive agent R28935, a pimozone analogue, not acting via α -adrenergic neurones.
- 314P MARRIOTT, A.S., SKINGLE, M. & TYERS, M.B. Evaluation of narcotic and narcotic antagonist analgesic drugs in the dog dental pulp stimulation test.
- 315P CHURCH, M.K. & MILLER, P. Simple models of anaphylaxis and of histamine and 5-hydroxytryptamine induced inflammation using the mouse pinna.
- 316P COWAN, A., DETTMAR, P.W. & WALTER, D.S. Analgesics and rotational behaviour in rats with unilateral substantia nigra lesions. Effects in the presence and absence of (+)-amphetamine.
- 316P FARROW, J.W. & WILLIS, A.L. Thrombolytic and anti-thrombotic properties of dihomogamma-linolenate *in vitro*.