
BRITISH JOURNAL OF PHARMACOLOGY

Contents

page

Systematic Pharmacology

- 497 GREWAL, R. S. and KAUL, C. L. Importance of the sympathetic nervous system in the development of renal hypertension in the rat. (SP1)
- 505 GULDBERG, H. C., SHARMAN, D. F. and TEGERDINE, P. R. Some observations on the estimation of 3-methoxytyramine in brain tissue. (SP2, PK2)
- 512 MAJOR, C. T. and PLEUVRY, BARBARA J. Effects of α -methyl-*p*-tyrosine, *p*-chlorophenylalanine, L- β -(3,4-dihydroxyphenyl)alanine, 5-hydroxytryptophan and diethyldithiocarbamate on the analgesic activity of morphine and methylamphetamine in the mouse. (SP2, DM1)
- 522 MARLEY, E. and STEPHENSON, J. D. Actions of dexamphetamine and amphetamine-like amines in chickens with brain transections. (SP2, DM2)

Autopharmacology

- 543 CHEAH, T. B., GEFFEN, L. B., JARROTT, B. and OSTBERG, A. Action of 6-hydroxydopamine on lamb sympathetic ganglia, vas deferens and adrenal medulla: a combined histochemical, ultrastructural and biochemical comparison with the effects of reserpine. (AP1, DM1)
- 558 POJDA, S. M. and VANE, J. R. Inhibitory effects of aprotinin on kallikrein and kininases in dog's blood. (AP2, SP1, PK2)
- 569 DAVIS, HEATHER A., HORTON, E. W., JONES, K. B. and QUILLIAM, J. P. Identification of prostaglandins in prevertebral venous blood after preganglionic stimulation of the cat superior cervical ganglion. (AP2, PK3)
- 584 BENNETT, A. and POSNER, J. Studies on prostaglandin antagonists. (AP2, DM2)
- 595 HODGES, J. R. and HOTSTON, R. T. Suppression of adrenocorticotrophic activity in the ascorbic acid deficient guinea-pig. (AP3)

Drug Mechanisms

- 603 INNES, I. R. and KARR, G. W. Protection against induction of supersensitivity to catecholamines by cocaine. (DM2)
- 611 CUMINGS, J. N. and HILTON, BARBARA P. Effects of methysergide on platelets incubated with reserpine. (DM2, SP3)
- 620 ASSEM, E. S. K. and SCHILD, H. O. Antagonism by β -adrenoceptor blocking agents of the antianaphylactic effect of isoprenaline. (DM2, AP1)

SHORT COMMUNICATION

- 631 ROTHSCHILD, A. M. Role of the adrenal gland in the leucocytosis caused by bradykinin or cellulose sulphate in the rat. (AP2)

Contents-contd.

Proceedings of the British Pharmacological Society, Aberdeen, 12-14 July, 1971

Communications

- 635P MICHAL, F. and SILVER, M. J. Inhibition of aggregation and plug formation of platelets subjected to ultrasound and tested in the revolving plastic loop.
- 636P FERGUSON, D. M. (introduced by A. P. SILVERMAN). Renal Handling of Paraquat.
- 637P ODUMOSU, A. and WILSON, C. W. M. Metabolic availability of ascorbic acid in female guinea-pigs.
- 638P GREEN, ANN Y. and GREEN, D. Wy 23205, a new non-steroidal anti-inflammatory agent.
- 639P HILL, R. G., SIMMONDS, M. A. and STRAUGHAN, D. W. Evidence that bicuculline can both potentiate and antagonize GABA.
- 640P BOURDOIS, P. S., MITCHELL, J. F. and SZERB, J. C. Effect of atropine on acetylcholine release from cerebral cortical slices stimulated at different frequencies.
- 641P MUCKART, ANN B. (introduced by D. W. STRAUGHAN). Neurally evoked release of nor-adrenaline from the olfactory bulb.
- 642P GILBERT, J. C. (introduced by H. W. KOSTERLITZ). Effects of an anticonvulsant, acetazolamide, on the sodium gradient and xylose uptake of cerebral cortex slices.
- 643P CHRISTIE, JANICE E. and CROW, T. J. (introduced by H. W. KOSTERLITZ). Possible role of dopamine-containing neurones in the behavioural effects of cocaine.
- 645P HOLLAND, P. and WHITE, R. G. Atropine sulphate absorption in humans after intramuscular injection of a mixture of the oxime-P2S and atropine.
- 646P GONG, S. N. C. and ROGERS, K. J. Role of brain monoamines in the fatal hyperthermia induced by pethidine or imipramine in rabbits pretreated with pargyline.
- 647P DOUGLAS, W. W. and SORIMACHI, M. Electrically evoked release of vasopressin from isolated neurohypophyses in sodium-free media.
- 648P ZEITLIN, I. J. (introduced by E. W. HORTON). Pharmacological characterization of kinin-forming activity in rat intestinal tissue.
- 649P HAYDEN, J. and TARGETT, MARGARET A. Inhibition by spinal transection of renin release from ischaemic rat kidneys.
- 650P JASANI, M. K. and LEWIS, G. P. Intracellular enzymes in local lymph during homograft rejection.
- 651P CLARKE, D. E., ERTEL, R. J., FRANKE, F. R. and OUYANG, G. Autonomic receptors and choline uptake in embryonic chick myocardial cell cultures.
- 652P KIRBY, MARILYN J. (introduced by P. TURNER). Influence of calcium on responses of human isolated uterine tissue to fenfluramine.
- 653P COLTART, D. J., MELDRUM, S. J., ROYDS, R. B. and SPILKER, B. A. Study of the contractile and electrophysiological maturation responses of the human foetal myocardium.
- 654P CLARK, R. B. and WILKINSON, S. (introduced by A. F. GREEN). Cardio-active amines found in ox spleen extracts.
- 655P OWEN, D. A. A. and STUERMER, E. Effect of dihydroergotamine (DHG) on the capacitance, resistance and precapillary sphincter vessels of denervated cat skeletal muscle.
- 656P SMALL, R. C. (introduced by H. SCHNIEDEN). Transmission from cholinergic neurones to circular smooth muscle obtained from the rabbit caecum.
- 657P AMBACHE, N. and ABOO ZAR, M. Augmentation of atropine resistant spasms in plexus-containing guinea-pig longitudinal muscle by ganglionic action of the acetylcholinesterase inhibitor BW 284C51 (1:5 bis(*p*-allyldimethylammonium phenyl)-pentan-3-one dibromide).
- 659P AMBACHE, N., DUNK, LINDA P., MIALL, P. and ABOO ZAR, M. Unexplained inhibitory action of D-lysergic acid diethylamide (LSD) on postganglionic motor transmission in the guinea-pig vas deferens.
- 660P HUGHES, J. Evaluation of neuronal and extraneuronal uptake mechanisms during adrenergic nerve stimulation.
- 661P SHORE, P. A., and SUGRUE, M. F. Amine uptake characteristics of the guinea-pig Auerbach plexus.
- 662P HART, S. L. and MIR, M. S. Adrenoceptors in the human foetal colon.

Contents-contd.

- 663P GEORGE, A. J. and LEACH, G. D. H. Differential effect of alterations in the calcium and magnesium concentrations on the responses to sympathomimetic amines in the perfused rat mesentery.
- 664P COLTART, D. J., MELDRUM, S. J. and ROYDS, R. B. (introduced by P. TURNER). Myocardial effects of indoramin hydrochloride, a new hypotensive agent.
- 665P ARBAB, A. G., HICKS, DEBORAH C. and TURNER, P. Relative potency of intravenous prindolol and propranolol in man.
- 666P NOTT, M. W. (introduced by W. C. BOWMAN). Interaction between phosphodiesterase inhibitors and catecholamines on contractions of the cat soleus muscle.
- 668P DHAWAN, B. N. and DUA, P. R. (introduced by D. F. J. MASON). α -Adrenoceptor mediation of central hyperthermic responses to noradrenaline in rabbits (T).

Systematic Pharmacology

Cardiovascular system SP1
Central nervous system SP2
Other physiological systems SP3

Pharmacokinetics

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

Clinical Pharmacology, Experimental

Therapy CP
Chemotherapy CT
Miscellaneous M

Autopharmacology

Adrenergic, cholinergic transmission AP1
Histamine, kinins, prostaglandins, etc. AP2
Hormones AP3

Drug Mechanisms

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

Pharmacometrics PM

Psychopharmacology PP
Toxicology TX