
BRITISH JOURNAL OF PHARMACOLOGY

Contents

Systematic Pharmacology

- 391 DAS, P. K. and SINHA, P. S. Effect of physostigmine on ventricular fibrillation and myocardial glycogen in hypothermic dogs. (SP1, AP1)
397 DAS, P. K. and BHATTACHARYA, S. K. Studies on the effect of physostigmine on experimental cardiac arrhythmias in dogs. (SP1, AP1)
404 DHAWAN, B. N., SHARMA, J. N. and SRIMAL, R. C. Selective inhibition by glycine of some somatic reflexes in the cat. (SP2)
413 MARLEY, E. and SELLER, T. J. Effects of muscarine given into the brain of fowls. (SP2, AP1, DM2)
435 CLARKE, G. and HILL, R. G. Effects of a focal penicillin lesion on responses of rabbit cortical neurones to putative neurotransmitters. (SP2)
442 HAMILTON, T. C. Effects of dopamine on the conductance of perfused vascular beds of the chloralosed cat. (SP1)
451 BURNSTOCK, G., DUMSDAY, B. and SMYTHE, A. Atropine resistant excitation of the urinary bladder: the possibility of transmission via nerves releasing a purine nucleotide. (SP3)

Autopharmacology

- 462 GERALD, M. C. and MAICKEL, R. P. Studies on the possible role of brain histamine in behaviour. (AP2, SP2)
472 HUGHES, J. Evaluation of mechanisms controlling the release and inactivation of the adrenergic transmitter in the rabbit portal vein and vas deferens. (AP1, PK3)
492 BENTLEY, G. A. Pharmacological studies on the hypogastric ganglion of the rat and guinea-pig. (AP1)
510 EAGLING, ELIZABETH M., LOVELL, H. G. and PICKLES, V. R. Interaction of prostaglandin E_1 and calcium in the guinea-pig myometrium. (AP2, DM2)
517 HENNINGSSON, S. S. G. and ROSENGREN, ELSA. Alterations of histamine metabolism after injections of sex hormones in mice. (AP2, AP3)
527 HAHN, R. A. and PATIL, P. N. Salivation induced by prostaglandin $F_{2\alpha}$ and modification of the response by atropine and physostigmine. (AP2, AP1)

Pharmacokinetics

- 534 BACK, D. J. and CALVEY, T. N. Excretion of ^{14}C -edrophonium and its metabolites in bile: role of the liver cell and the peribiliary vascular plexus. (PK1)

Drug Mechanisms

- 544 SHARKAWI, M. Morphine hyperthermia in the rat: its attenuation by physostigmine. (DM2, SP2)

Clinical Pharmacology, Experimental Therapy

- 549 MAWER, G. E., MILLER, N. E. and TURNBERG, L. A. Metabolism of amylobarbitone in patients with chronic liver disease. (CP, PK1)

Contents-contd.

Toxicology

- 561 BRIMBLECOMBE, R. W., GREEN, D. M. and MUIR, A. W. Pharmacology of *o*-chlorobenzylidene malononitrile (CS). (TX, MO)

Psychopharmacology

- 577 BARLOW, R. B., READING, H. W. and YATES, CELIA M. Distribution and excretion of N-(¹⁴C)-methyl labelled *m*-hydroxybenzyltrimethylammonium ions in mice. (PP, PK1)

SHORT COMMUNICATIONS

- 583 KUCHII, M. and SHIBATA, S. *In vitro* effect of 6-hydroxydopamine on isolated rat atria. (AP1, DM2)
586 COREY, SHARON E. and MCPHILLIPS, J. J. Supersensitivity to the negative chronotropic action of carbachol and methacholine in the rat. (AP1, SP1)
589 NOTT, M. W. and RAPER, C. Use of cumulative dose-response curves in potency comparisons of sympathomimetic amines on the cat soleus muscle. (PM)

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