

# British Journal of Pharmacology

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## Systematic Pharmacology

- 317 CHAWLA, NARESH, JOHRI, M.B.L., SAXENA, P.N. & SINGHAL, K.C. Cholinergic mechanism in central thermoregulation in pigeons (SP2, AP1)

## Autopharmacology

- 323 JONES, MARGARET E.L. & SPRIGGS, T.L.B. Noradrenaline and motor transmission in the vas deferens of the mouse (AP1)  
333 MINATOYA, H. & SPILKER, B.A. Lack of cardiac or bronchodilator tachyphylaxis to isoprenaline in the dog (AP1)  
341 BURDEN, D.T. & PARKES, M.W. An investigation of the tachycardia produced by intracerebroventricular injections of isoprenaline in mice (AP1, SP1, DM2)  
349 SLOTKIN, T.A. Effects of reserpine on the adrenal medulla of the spontaneously hypertensive rat (AP1)  
357 RUBIN, R.P. & WARNER, W. Nicotine-induced stimulation of steroidogenesis in adrenocortical cells of the cat (AP3, DM1)

## Drug Mechanisms

- 363 ROBINSON, D.A., TAYLOR, J.G. & YOUNG, J.M. The irreversible binding of acetylcholine mustard to muscarinic receptors in intestinal smooth muscle of the guinea-pig (DM2, DM1)  
371 HUGHES, J., KOSTERLITZ, H.W. & LESLIE, FRANCES M. Effect of morphine on adrenergic transmission in the mouse vas deferens. Assessment of agonist and antagonist potencies of narcotic analgesics (DM2)  
383 COX, B.M., GINSBURG, M., WILLIS, JULIA & DAVIES, J.K. The offset of morphine tolerance in rats and mice (DM2, SP2)  
393 NESHEIM, BRITT-INGJERD. Action of  $\beta$ -adrenoceptor antagonists on the response to isoprenaline in the oestrogen dominated rabbit uterus (DM2, AP1)  
403 NESHEIM, BRITT-INGJERD, OSNES, J.-B. & ØYE, I. Role of cyclic adenosine 3',5'-monophosphate in the isoprenaline-induced relaxation of the oestrogen dominated rabbit uterus (DM2, DM1, AP1)

## Miscellaneous

- 409 EVANS, D.P. & THOMSON, D.S. Inhibition of immediate hypersensitivity reactions in laboratory animals by a phenanthroline salt (ICI 74,917) (M, AP2)

## SHORT COMMUNICATIONS

- 419 ANLEZARK, G.M. & MELDRUM, B.S. Effects of apomorphine, ergocornine and pibedil on audiogenic seizures in DBA/2 mice (SP2, DM2, AP1)
- 422 BOWERY, N.G., BROWN, D.A. & COLLINS, J.F. Tetramethylenedisulphotetramine: an inhibitor of  $\gamma$ -aminobutyric acid induced depolarization of the isolated superior cervical ganglion of the rat (DM1, AP1)
- 425 AUNIS, D., MANDEL, P., MIRAS-PORTUGAL, M.T., COQUILLAT, G., ROHMER, F. & WARTER, J.M. Changes of human plasma dopamine- $\beta$ -hydroxylase activity after intravenous administration of theophylline (DM1)
- 428 BOTTING, J.H. Sensitivity of neonatal rabbit ileum to histamine (AP2)
- 431P PROCEEDINGS OF THE BRITISH PHARMACOLOGICAL SOCIETY, London, 8-10 January, 1975.

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### 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

London, 8-10 January, 1975

- 431P ENERO, MARIA, A. & LANGER, S.Z. Pharmacological effects of histamine on the isolated cat nictitating membrane.
- 432P HOLTON, PAMELA, IMPICCIATORE, MARIANINA & SPENCER, JAN. Dose response relationship and comparison of the secretory potency of methyl histamine and histamine on the isolated guinea pig stomach.
- 433P CURWAIN, B.P. & MILLS, G.A. Effects of atropine on gastric secretion and mucosal blood flow in conscious dogs.
- 434P McISAAC, R.L. & WILSON, G.M. (introduced by Pamela Holton). The effect of atropine on pentagastrin-induced gastric acid secretion and mucosal blood flow in the conscious rat.
- 435P BRIMBLECOMBE, R.W., DUNCAN, W.A.M., DURANT, G.J., GANELLIN, C.R., PARSONS, M.E. & BLACK, J.W. The pharmacology of cimetidine, a new histamine H<sub>2</sub>-receptor antagonist.
- 436P FOSTER, R.W. & RAMAGE, A.G. Observations on the effect of dibenzoxazepine (CR) and N-nonoyl-vanillylamide (VAN) on sensory nerves.
- 437P CONSTANTI, A. & NISTRÌ, A. (introduced by Quilliam, J.P.). Actions of glutamate and kainic acid on the lobster muscle fibre and the frog spinal cord.
- 438P ADAMS, P.R. & BROWN, D.A. Actions of  $\gamma$ -aminobutyric acid (GABA) on ganglionic transmission and ganglion cell excitability.
- 439P DICK, FABIENNE & KELLY, J.S. L-2,4-diaminobutyric acid (L-DABA) as a selective marker for inhibitory nerve terminals in rat brain.
- 440P MEIER, J. (introduced by Berde, B.). Bioanalytical assay of clozapine and its N-oxide metabolite and the determination of their blood levels in the dog.
- 441P HEWICK, D.S. & MORELAND, T.A. (introduced by Marshall, P.B.). An NADPH dependent warfarin reductase in human and rat liver and kidney soluble fraction.
- 442P McKILLOP, D. & POWIS, G. The effect of a single dose of ethanol on the hepatic microsomal metabolism of foreign compounds in the rat.
- 443P AUTY, R.M. & BRANCH, R.A. (introduced by Bhoola, K.D.). The metabolism of ethyl, n-propyl, n-butyl and iso-amyl alcohols by the isolated perfused rat liver.
- 444P BENNETT, T. & GARDINER, SHEILA M. (introduced by Birmingham, A.T.). The effects of intravenous injections of vinblastine or vincristine on the responses of the rat heart to nerve stimulation and to drugs.
- 445P COTTNEY, J. & LEWIS, A.J. Mechanisms of concanavalin A-induced inflammation in the rat.
- 446P BLOGG, C.E., BRITAIN, R.T., SIMPSON, B.R. & TYERS, M.B. AH 10407: A novel, short-acting, competitive neuromuscular blocking drug in animals and man.
- 447P ATTERWILL, C.K., MAHONEY, ANNE & NEAL, M.J. The uptake and subcellular distribution of <sup>3</sup>H-choline by the retina.
- 448P SCHILD, H.O. Drug desensitization and cross-desensitization in guinea-pig ileum.
- 448P TRIST, D.G. & WEATHERALL, M. The effect of isoprenaline on <sup>86</sup>Rb uptake by horse lymphocytes *in vitro*.
- 449P FOZARD, J.R. & MWALUKO, G.M.P. Stimulant effects of 5-hydroxytryptamine on cardiac sympathetic nerves.
- 450P GRAHAM, C.W., GREEN, A.R., WOODS, H.F. & YODIM, M.B.H. 5-Hydroxytryptamine synthesis in the isolated perfused rat brain.
- 451P LIVINGSTON, A. & PHILLIPS, ELIZABETH. Distribution of chlorpromazine and its metabolites in subfractions of rat brain.
- 452P TURNBULL, M.J. & WATKINS, J.W. Change in sensitivity to pentobarbitone and halothane induced by acute administration of central nervous system depressant drugs.
- 453P MOORE, K.E. & PHILLIPSON, O.T. (introduced by Beart, P.M.). Effects of dexamethasone on phenylethanolamine N-methyl-transferase (PNMT) and adrenaline (A) in the brains of adult and neonatal rats.

- 454P BRYANT, B.J., McCULLOCH, M.W., RAND, M.J. & STORY, D.F. Release of <sup>3</sup>H-(–)-noradrenaline from guinea-pig hypothalamic slices: effects of adrenoceptor agonists and antagonists.
- 455P DARGIE, H.J., DOLLERY, C.T. & LEWIS, P.J. Prevention of DOCA saline hypertension by central 6-hydroxydopamine: role of saline intake.
- 455P HIRSCH, J.C., TASSIN, J.P. & THIERRY, A.M. Loss of noradrenergic and dopaminergic terminals in the chronically isolated cerebral cortex of the cat.
- 456P ELKHAWAD, A.O., MUNDAY, K.A., POAT, JUDITH A. & WOODRUFF, G.N. The effect of dopamine receptor stimulants on locomotor activity and cyclic AMP levels in the rat striatum.
- 457P MILLER, R. (introduced by Iversen, L.L.). Inhibition of dopamine-sensitive adenylate cyclase in rat basal ganglia and other hormone sensitive adenylate cyclase systems by neuroleptic drugs.
- 458P CALLINGHAM, B.A. & LYLES, G.A. Some effects of age upon irreversible inhibition of cardiac MAO.
- 459P BEVAN, P., BRADSHAW, C.M. & SZABADI, E. Tricyclic antidepressants and monoamines: the relationship between uptake blockade and potentiation of neuronal responses.
- 460P AHTEE, LIISA. Effect of drugs on metoclopramide-induced catalepsy and increase in striatal homovanillic acid content.
- 461P BRIMBLECOMBE, R.W., BUXTON, D.A. & REDFERN, P.H. Drug effects on avoidance behaviour in selected strains of rats.
- 462P BRADLEY, P.B. & BRAMWELL, G.J. A stereospecific action of morphine on brain stem neuronal activity: a microiontophoretic study.
- 463P BENOY, CHRISTINE J., EL FELLAH, M.S., SCHNEIDER, R. & WADE, O.L. Tolerance to sympathomimetic bronchodilators in the guinea pig lungs.
- 464P JONES, R.L. Actions of prostaglandins on the arterial system of the sheep: some structure-activity relationships.
- 465P HERMAN, A.G. & MONCADA, S. Release of prostaglandins and incapacitation after injection of endotoxin in the knee joint of the dog.
- 466P PARRATT, J.R. & STURGESS, R.M. The protective effect of sodium meclofenamate in experimental endotoxin shock.
- 467P CRUTCHLEY, D.J. & PIPER, PRISCILLA J. Inhibition of the pulmonary inactivation of prostaglandins in rabbit *in vivo*.
- 467P BLACKWELL, G.J., FLOWER, R.J., PARSONS, M.F. & VANE, J.R. Factors influencing the turnover of prostaglandin synthetase.
- 469P PUGH, D.M., SHARMA, S.C. & WILSON, C.W.M. Inhibitory effect of L-ascorbic acid on the yield of prostaglandin F from the guinea-pig uterine homogenates.
- 470P GREAVES, M.W., KINGSTON, W.P. & PRETTY, KATHLEEN. Action of a series of non-steroid and steroid anti-inflammatory drugs on prostaglandin synthesis by the microsomal fraction of rat skin.