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### Systematic Pharmacology

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  - (SP1, DM2, CP)
- 15 HILLIS, W.S., HUTTON, I., LAWRIE, T.D.V., LORIMER, A.R. & REID, J.M. The effects of a new  $\beta$ -adrenoceptor blocking compound, tolamolol, on haemodynamics and myocardial function in man. (SP1)
- 21 SMITH, P.A. & WALKER, R.J. The action of 5-hydroxytryptamine and related compounds on the activity of retzius cells of the leech *Hirudo medicinalis*. (SP2, DM2)

### Autopharmacology

- 29 ALLEN, G.S., RAND, M.J. & STORY, D.F. Effects of the muscarinic agonist McN-A-343 on the release by sympathetic nerve stimulation of [3H]-noradrenaline from rabbit isolated ear arteries and guinea-pig atria. (AP1, PK3)
- 35 BLACKHAM, A., FARMER, J.B., RADZIWONIK, H. & WESTWICK, J. The role of prostaglandins in rabbit monoarticular arthritis. (AP2)
- 45 GREEN, K.L. Role of endogenous catecholamines in the anti-inflammatory activity of α-adrenoceptor blocking agents. (AP2, AP1)

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- 61 BACK, D.J. & CALVEY, T.N. The pharmacokinetics of [14C]-edrophonium in normal wistar rats and homozygous Gunn rats with ligated renal pedicles. (PK1, PK2)

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- 73 CROCKER, ANN D. & WILSON, K.A. A study of the metabolic requirements for the contractile action of angiotensin upon guinea-pig ileum. (DM1, AP3)
- 81 ABRAMSON, F.B., BARLOW, R.B., FRANKS, FIONA M. & PEARSON, J.D.M. Relationships between chemical structure and affinity for postganglionic acetylcholine receptors of the guinea-pig ileum. (DM1, DM2)

95 BARLOW, R.B. & TUBBY, JULIA H. Actions of some esters of 3,3-dimethylbutan-1-ol (the carbon analogue of choline) on the guinea-pig ileum. (DM1, DM2)

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- 101 BANNA, N.R., JABBUR, S.J. & SAADÉ, N.E. Antagonism of the spinal action of diazepam by semicarbazide. (SP2)
- BRADLEY, P.B. & DRAY, A. The effects of microiontophoretically applied morphine and transmitter substances in rats during chronic treatment and after withdrawal from morphine. (SP2, DM2)
- 107 PERUMAL, T.A. & PRAKASA RAO, J. Effect of pharmacological blockade on lithium-induced water drinking. (AP1, SP2)
- 109 BLUM, K. & WALLACE, J.E. Effects of catecholamine synthesis inhibition on ethanol-induced withdrawal symptoms in mice. (DM1)

### **Systematic Pharmacology**

SP1 Cardiovascular system

SP2 Central nervous system

SP3 Other physiological systems

### **Pharmacokinetics**

PK1 Storage, distribution, fate

PK2 Synthesis, metabolism

PH3 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

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- 413 BARLOW, R.B. Physicochemical properties and biological activity: thermodynamic properties of compounds related to acetylcholine assessed from depression of freezing-point and enthalpies of dilution. (DM1)
- 427 KALSNER, S. A new approach to the measurement and classification of forms of supersensitivity of autonomic effector responses. (DM2)
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- 453 KALSNER, S. Sensitization of noradrenaline responses by inhibitors of extraneuronal uptake in a coronary artery preparation. (SP1, PK3)
- DRYDEN, W.F. & HARVEY, A.L. The effect of receptor desensitization on the action of α-bungarotoxin on cultured skeletal muscle. (DM1, DM2)
- 459 BAKHLE, Y.S. & SMITH, T.W. Tryptamine receptors in rat pulmonary artery. (DM2)
- 462 BUTTERWORTH, K.R. & JARMAN, D.A. Effect of temperature on changes, induced by oestrus, in  $\alpha$  and  $\beta$ -adrenoceptor activities of the rat uterus. (DM2, AP1)
- 465 GRAHAM, J.D.P., LEWIS, M.J. & LI, D.M.F. The effect of  $\Delta^1$ -tetrahydrocannabinol on the uptake of  $[^3H]$ -(-)-noradrenaline by the isolated perfused heart of the rat.

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- 473 EDEN, E. & NASMYTH, P.A. The cardiovascular effects of L-DOPA in the pithed rat.
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- 481 SEIFEN, E. Evidence for participation of catecholamines in cardiac action of ouabain: positive chronotropic effect. (SP1, PK3, DM2)
- 491 GARCIA LEME, J. & LICO, MARIA. Cortical potentials evoked by nociceptive stimuli: their depression by a factor released during saphenous nerve stimulation in the rat.

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- 497 CHAWLA, NARESH, JOHRI, M.B.L., SAXENA, P.N. & SINGHAL, K.C. Effects of catecholamines on thermoregulation in pigeons. (SP2, DM2)
- 503 GHOSH, M.N. & SINGH, H. Inhibitory effect of a pyrrolizidine alkaloid, crotalaburnine, on rat paw oedema and cotton pellet granuloma. (SP3, DM2)

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- 509 MACKAY, A.V.P. The long-term regulation of tyrosine hydroxylase activity in cultured sympathetic ganglia: role of ganglionic noradrenaline content. (AP1, SP1)
- 521 WALLIS, D.I. & WOODWARD, B. The facilitatory actions of 5-hydroxytryptamine and bradykinin in the superior cervical ganglion of the rabbit. (AP1, AP2)
- 533 ALKADHI, K.A. & McISAAC, R.J. Effect of preganglionic nerve stimulation on sensitivity of the superior cervical ganglion to nicotinic blocking agents. (AP1, DM2)
- 541 JOHNSON, E.M., JR, MARSHALL, G.R. & NEEDLEMAN, P. Modification of responses to sympathetic nerve stimulation by the renin-angiotensin system in rats. (AP1, AP3)
- 549 BARTLET, A.L. Actions of putative transmitters in the chicken vagus nerve/oesophagus and remak nerve/rectum preparations. (AP1, AP2, DM2)
- 559 SIMPSON, L.L. The effect of prostaglandin E<sub>2</sub> on the arterial blood pressure of normotensive and spontaneously hypertensive rats. (AP2, SP1)
- 565 KADLEC, O., MAŠEK, K. & ŠEFERNA, I. A modulating role of prostaglandins in contractions of the guinea-pig ileum.

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- 571 LIPPMANN, W. & PUGSLEY, T.A. Effects of benzoctamine and chlordiazepoxide on turnover and uptake of 5-hydroxytryptamine in the brain. (PK2, PK3, PP)
- 577 KUCHII, M., MIYAHARA, J.T. & SHIBATA, S. Effect of 6-hydroxydopamine on [3H]-adenine nucleotide and [3H]-noradrenaline release from the guinea-pig taenia caecum evoked by electrical field stimulation, nicotine and perivascular nerve stimulation.

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