

# British Journal of Pharmacology

## SHORT COMMUNICATIONS

- 359 HYSLOP, DEBORAH K. & TAYLOR, DUNCAN P. The interaction of trazodone with rat brain muscarinic cholinergic receptors
- 362 BROWN, D.A., FORWARD, A. & MARSH, S. Antagonist discrimination between ganglionic and ileal muscarinic receptors

## PAPERS

- 365 BELLET, M., ELGHOZI, J.L., MEYER, P., PERNOLLET, M.G. & SCHMITT, H. Central cardiovascular effects of narcotic analgesics and enkephalins in rats
- 371 KUNOS, GEORGE, MUCCI, LUCIA & O'REGAN, SEANA The influence of hormonal and neuronal factors on rat heart adrenoceptors
- 387 DAWSON, W. & SWEATMAN, W.J.F. The pharmacology of Isamoxole [2-methyl-N-butyl-N(4-methyloxazol-2-yl) propanamide] LRCL 3950, a new anti-allergic compound
- 399 HO, WILLIAM K.W., NAKAO, K. & SHIBATA, S. The inhibitory action of two thrombin inhibitors (TI-189 and TI-233) on the contractile responses to 5-hydroxytryptamine and prostaglandin endoperoxide analogue (U-44069) in isolated vascular strips
- 407 KENAKIN, TERRY P. Errors in the measurement of agonist potency-ratios produced by uptake processes: a general model applied to  $\beta$ -adrenoceptor agonists
- 419 BODACH, E., COCEANI, F., DUMBRILLE, A., OKPAKO, D.T. & OLLEY, P.M. The response of the isolated ductus arteriosus to transmural stimulation and drugs
- 429 DOGGRELL, SHEILA A. & SCOTT, GERALD W. The effects of time and indomethacin on con-

tractile responses of the guinea-pig gall bladder *in vitro*

- 435 MAJEWSKI, H., McCULLOCH, M.W., RAND, M.J. & STORY, D.F. Adrenaline activation of pre-junctional  $\beta$ -adrenoceptors in guinea-pig atria
- 445 MACDONALD, A. & McGRATH, J.C. The distribution of adrenoceptors and other drug receptors between the two ends of the rat vas deferens as revealed by selective agonists and antagonists
- 459 CLANACHAN, A.S. & MARSHALL, R.J. Potentiation of the effects of adenosine on isolated cardiac and smooth muscle by diazepam
- 467 BRETAG, A.H., DAWE, S.R., KERR, D.I.B. & MOSKWA, A.G. Myotonia as a side effect of diuretic action
- 473 CONWAY, E.L. & JARROTT, B. Clonidine distribution in the rat: temporal relationship between tissue levels and blood pressure response
- 479 KOMORI, S., OHASHI, H. & TAKEWAKI, T. The effects of  $\alpha$ - and  $\beta$ -adrenoceptor activation on tension and membrane properties of the longitudinal smooth muscle of the chicken rectum
- 489 KARASHIMA, TSUYOSHI Actions of nitroglycerine on smooth muscles of the guinea-pig and rat portal veins
- 499 JOHNS, E.J. A comparison of the ability of two angiotensin II receptor blocking drugs, 1-Sar, 8-Ala angiotensin II and 1-Sar, 8-Ile angiotensin II, to modify the regulation of glomerular filtration rate in the cat
- 507 BRAY, M.A., FORD-HUTCHINSON, A.W., SHIPLEY, M.E. & SMITH, M.J.H. Calcium ionophore A23187 induces release of chemokinetic and aggregating factors from polymorphonuclear leucocytes

- 513 CHEVILLARD, C., MATHIEU, M.N. & RECOMMIS, D. Prejunctional actions of pibedil on the isolated kidney of the rabbit: comparison with apomorphine
- 519 KANAZAWA, T., OHASHI, H. & TAKEWAKI, T. Evidence that cell bodies of non-cholinergic, excitatory neurones which supply the smooth muscle of the chicken rectum are located in the ganglia of Remak's nerve
- 525 LABURN, HELEN, MITCHELL, D. & STEPHEN, J. Effects of intracerebroventricular floctafenine and indomethacin on body temperature in febrile rabbits
- 529 CAMPBELL, WILLIAM B., GRAHAM, ROBERT M., JACKSON, EDWIN K., LOISEL, DANIEL P. & PETTINGER, WILLIAM A. Effect of indomethacin on hydralazine-induced renin and catecholamine release in the conscious rabbit
- 533 GERBER, JOHN G., NIES, ALAN S. & OLSON, RICHARD D. Prazosin does not alter canine renin release in response to systemic hypotension or intrarenal isoprenaline and prostaglandin I<sub>2</sub> infusion
- 539 HITCHCOCK, MARGARET Effect of variation in endogenous levels of ascorbic acid on the *in vitro* immunological release of histamine and slow reacting substance of anaphylaxis from actively sensitized guinea-pig lung fragments
- 545 KERWIN, R.W., OLPE, H.-R. & SCHMUTZ, M. The effect of sodium-*n*-dipropyl acetate on  $\gamma$ -aminobutyric acid-dependent inhibition in the rat cortex and substantia nigra in relation to its anticonvulsant activity
- 553 ENNS, LOUISE & McCOY, E.E. A study of  $\gamma$ -aminobutyric acid uptake in normal and Down's syndrome platelets
- 557 DOGGRELL, SHEILA A. & VINCENT, LYNN Accumulation and overflow of <sup>3</sup>H following incubation of the guinea-pig gall bladder with [<sup>3</sup>H]-noradrenaline
- 569 BESSER, G.M., DELITALA, G., GROSSMAN, ASHLEY, STUBBS, W.A. & YEO, T. Chlorpromazine, haloperidol, metoclopramide and domperidone release prolactin through dopamine antagonism at low concentrations but paradoxically inhibit prolactin release at high concentrations
- 575 KUDO, YOSHIHISA & SHIBATA, SHOJI The potent depolarizing action of palytoxin isolated from *Palythoa tubercurosa* on the isolated spinal cord of the frog
- 581 ISHIDA, YUKISATO & SHIBATA, SHOJI Characteristic contractile response to the calcium ionophore, A23187, in guinea-pig vas deferens
- 585 MULVANY, M.J. & NYBORG, N. An increase in calcium sensitivity of mesenteric resistance vessels in young and adult spontaneously hypertensive rats
- 597 MARSHALL, R.J. & PARRATT, J.R. Prophylactic lignocaine and early post-coronary artery occlusion dysrhythmias in anaesthetized greyhounds
- 601 AHLUWALIA, P. & SINGHAL, R.L. Effect of low-dose lithium administration and subsequent withdrawal on biogenic amines in rat brain
- 609 SONNENFELD, T. & WENNMALM, Å. Inhibition by nicotine of the formation of prostacyclin-like activity in rabbit and human vascular tissue
- 615 WINSLOW, EILEEN Evaluation of antagonism of aconitine-induced dysrhythmias in mice as a method of detecting and assessing antidysrhythmic activity
- 623 KLUGMAN, K.P., LEMBECK, F., MARKOWITZ, S., MITCHELL, G. & ROSENDORFF, C. Substance P increases hypothalamic blood flow via an indirect adrenergic-cholinergic interaction
- 631 BRETZ, U., DEWALD, B., PAYNE, T. & SCHNYDER, J. Phagocytosis stimulates the release of a slow reacting substance in cultured macrophages
- 635 ALMOTREFI, A.A. & BAKER, J.B.E. Investigation of the antifibrillatory activity of some anticonvulsant  $\gamma$ -aminobutyric acid-transaminase inhibitors in the rabbit isolated heart: comparison with phenytoin and mexiletine
- 641 EL TAHIR, K.E.H. & WILLIAMS, K.I. Factors affecting prostacyclin formation by the rat pregnant myometrium
- 651 HOLMAN, MOLLIE E. & SURPRENANT, ANNMARIE An electrophysiological analysis of the effects of noradrenaline and  $\alpha$ -receptor antagonists on neuromuscular transmission in mammalian muscular arteries
- 663 BUTCHERS, P.R., SKIDMORE, I.F., VARDEY, C.J. & WHEELDON, A. Characterization of the receptor mediating the anti-anaphylactic effects of  $\beta$ -adrenoceptor agonists in human lung tissue *in vitro*