

British Journal of Pharmacology

SHORT COMMUNICATIONS

- 163 DESILES, MARGUERITE, PUECH, ALAIN J. & RIPS, RICHARD Involvement of a central α -adrenoceptor system in antidepressant potentiation of hyperthermia induced by thyrotropin releasing hormone
- 167 ADCOCK, J.J. & GARLAND, L.G. A possible role for lipoxygenase products as regulators of airway smooth muscle reactivity

PAPERS

- 171 FRAME, MADELINE H. & MAIN, I. HARVEY M. Effects of arachidonic acid on rat gastric acid secretion in response to different secretagogues; inhibition of these effects by indomethacin
- 179 MADSEN, B.W., SYME, G.J. & SYME, L.A. Effects of azaperone and acetylpromazine on social and environmental behaviour in sheep
- 185 BENNETT, M.R. & LAVIDIS, N.A. An electrophysiological analysis of the effects of morphine on the calcium dependence of neuromuscular transmission in the mouse vas deferens
- 193 DUCKLES, SUE PIPER Functional activity of the noradrenergic innervation of large cerebral arteries
- 201 BUMPUS, MERLIN F., FEUERSTEIN, GIORA, GUTMAN, YEHUDA & KHOSLA, MAHESH C. Renin-angiotensin mediation of adrenal catecholamine secretion induced by hypoglycaemia in the cat
- 207 ALTURA, B.M., ALTURA, B.T., CARELLA, A. & TURLAPATY, P.D.M.V. Adverse effects of artificial buffers on contractile responses of arterial and venous smooth muscle

- 215 GILBERT, JOHN C. & WYLLIE, MICHAEL G. The relationship between nerve terminal adenosine triphosphatases and neurotransmitter release: as determined by the use of antidepressant and other CNS-active drugs
- 227 BEE, DENISE, LEACH, ENID, MARTIN, J.F. & SUGGETT, A.J. The effects of vincristine on platelet aggregation studied by a filter loop technique in the rat
- 233 ANSTEY, MARY D. & BIRMINGHAM, A.T. The isolated circular muscle layer of the vas deferens of the guinea-pig
- 241 BEART, P.M. & GUNDLACH, A.L. 3,4-Dihydroxyphenylacetic acid (DOPAC) and the rat mesolimbic dopaminergic pathway: drug effects and evidence for somatodendritic mechanisms
- 249 CHRIST, DARYL Post-tetanic potentiation in ganglia which are blocked with hexamethonium
- 257 RAY, D.E. Selective inhibition of thermogenesis by tributyl S,S,S-phosphorotrithioate (DEF)
- 265P PROCEEDINGS OF THE BRITISH PHARMACOLOGICAL SOCIETY, University of London (Institute of Education), 17th-19th December, 1979
- 265P COLEMAN, R.A., HUMPHREY, P.P.A., KENNEDY, I., LEVY, G.P. & LUMLEY, P. Preliminary characterisation of three types of prostanoid receptor mediating smooth muscle contraction
- 266P COLEMAN, R.A., KENNEDY, I. & LEVY, G.P. SC-19220, a selective prostanoid receptor antagonist
- 267P BEETENS, J.R. & HERMAN, A.G. Enhanced formation of 6-oxo-PGF_{1 α} by ram seminal vesicle microsomes in the presence of anti-oxidants

- 268P BUNTING, S. & MONCADA, S. Prostacyclin, by preventing platelet activation, prolongs activated clotting time in blood and platelet rich plasma and potentiates the anticoagulant effect of heparin
- 269P BAGGIOLINI, M., DEWALD, B. & SCHNYDER, J. (introduced by BERDE, B.) Effects of wortmannines, cyclo-oxygenase inhibitors and dexamethasone on enzyme secretion by macrophages
- 270P EAKINS, K.E., HIGGS, G.A., MONCADA, S., MUGRIDGE, K.G. & VANE, J.R. The effects of indomethacin and BW755C on leukocyte migration and prostaglandin production in carrageenin-induced inflammation
- 271P HOULT, J.R.S. & MOORE, P.K. *In vivo* administration of anti-inflammatory steroids alters activities of enzymes which synthesise and metabolise prostaglandins
- 272P HOULT, J.R.S. & MOORE, P.K. Adaptive changes in activity of prostaglandin synthesising and metabolising enzymes are coupled
- 273P COOPER, S.J. & POSADAS-ANDREWS, ASTRID. Familiarity-induced feeding in a food-preference test: effects of chlordiazepoxide and naloxone compared with food-deprivation
- 274P FLETCHER, A., GREEN, S.E. & HODGES, H.M. (introduced by SUMMERFIELD, A.) Evidence for a role for GABA in benzodiazepine effects on feeding in rats
- 275P ROBBINS, T.W. (introduced by SILVERMAN, A.P.) Stereotypy of a learned response after apomorphine
- 276P LLOYD, K.G., WILLIGENS, M.T. & WORMS, P. The pharmacology of the behavioural syndrome induced by systemic kainic acid administration in the rat
- 277P CLOW, A., JENNER, P., MARSDEN, C.D. & THEODOROU, A. Striatal dopamine receptor activity during 6 months withdrawal following one years neuroleptic administration to rats
- 278P DOWLING, J.E. & WATLING, K.J. Dopamine-sensitive adenylate cyclase in carp retinal homogenates
- 279P EMSON, P.C. & GILBERT, R.F.T. Time course of degeneration of bulbo-spinal 5-HT/SP neurones after 5,7-dihydroxytryptamine
- 280P BROEKKAMP, C.L., GARRIGOU, D. & LLOYD, K.G. Olfactory bulbectomy induced deficit in passive avoidance acquisition: restoration by muscimol, SL 76 002, fenfluramine, quipazine and fluoxetine
- 282P GRAHAME-SMITH, D.G. & STEINER, J.A. Duration of effect of repeated electroconvulsive shocks on plasma corticosterone responses to pharmacological stimuli in the rat
- 282P PEDATA, F. & PEPEU, G. Effect of chronic treatment with neuroleptics on choline high affinity uptake and choline acetyltransferase activity in rat striatum
- 283P ALBANO, JANET, BHOOLA, K.D., KERWIN, R.W., PAY, SARAH & PYCOCK, C.J. Regional distribution of rat brain vasoactive intestinal polypeptide sensitive adenylate cyclase: effect of neurotoxic lesions on hypothalamic enzyme activity
- 284P BIGGS, MARILYN J. & JOHNSON, E.S. Modulation of the electrically-evoked release of [³H]-histamine from the guinea-pig hypothalamus
- 285P JORDAN, C.C. & OWEN, D.G. Dithiothreitol potentiates the depolarizing action of substance P in the frog spinal cord *in vitro*
- 286P BRADSHAW, C.M., PUN, R.Y.K., SLATER, N.T. & SZABADI, E. The effect of methoxamine on single cortical neurones
- 287P ROBERTS, F. The anomalous depressant activity of N⁺-methyl histamine
- 287P GOWER, ALMA J. & MARRIOTT, A.S. The inhibition of clonidine-induced sedation in the mouse by anti-depressant drugs
- 288P GRANGER, D.N., KVIETYS, P.R. & RICHARDSON, P.D.I. The effects of noradrenaline, isoprenaline, vasopressin and histamine on blood flow and oxygen consumption in the colon of the anaesthetized dog
- 289P DOGGRELL, SHEILA A. & SCOTT, G.W. The occurrence of postsynaptic α - and β -adrenoceptors in the guinea-pig gall bladder
- 290P SCOTT, EVELYN M. (introduced by CONWAY, J.) The effect of cooling both vagal nerves on the changes in the discharge of the sympathetic efferent nerves induced by atenolol in the anaesthetised cat
- 291P BROWNLIE, RUTH P., GARBUTT, LYNNE, JESSUP, R. & SHAW, J.S. (introduced by TURNBULL, M.J.) *In vitro* characterisation of propranolol's interaction with 5-HT receptors
- 292P BILSKI, A., DORRIES, S., FITZGERALD, J.D., JESSUP, R., TUCKER, H. & WALE, J. ICI 118,551 a potent β_2 adrenoceptor antagonist
- 293P ELLIOTT, R.C. & SHEARDOWN, M.J. The action of an extract of the sea anemone *Tealia felina* (L) on neuromuscular transmission studied *in vitro*

- 294P SILINSKY, E.M. A re-evaluation of the behaviour of divalent cation agonists at motor nerve endings
- 294P BOLTON, T.B. & CLARK, J.P. Effects of muscarinic agonists on the potassium permeability of smooth muscle
- 295P CAVERO, I., DEPOORTERE, H. & LEFEVRE-BORG, FRANCOISE. Pharmacological studies on para-aminoclonidine
- 296P HAMILTON, T.C. & LONGMAN, SUSAN D. Hypotensive response to FLA-136 by selective stimulation of central α -autoreceptors in the rat
- 297P DUBCOVICH, MARGARITA L., LANGER, S.Z. & MASSINGHAM, R. Inhibition of noradrenergic neurotransmission by dipropyldopamine through activation of presynaptic dopamine receptors
- 299P SUGRUE, M.F. Effects of acutely and chronically administered desipramine and mianserin on the clonidine-induced decrease in rat brain 3-methoxy-4-hydroxyphenylethyleneglycol sulphate content
- 300P BRILEY, M., LANGER, S.Z. & RAISMAN, RITA. High-affinity binding of [3 H]-imipramine to human platelets: comparison with the binding in rat brain
- 301P CHEVILLARD, C., SAIAG, B. & WORCEL, M. Hydralazine: possibility of interaction with purines released from sympathetic nerve terminals
- 302P CARPENTER, J.R. & JOSHI, S.K. The mechanism of action of ATP on the rat anococcygeus muscle
- 302P EBONG, OMOTAYO O. & ZAR, M.A. Effects of dopamine and related drugs on the plexus-containing longitudinal muscle preparation of the guinea-pig ileum
- 303P CORBETT, A.D., KOSTERLITZ, H.W. & MCKNIGHT, A.T. Spontaneous and evoked release of enkephalin from the myenteric plexus of guinea-pig small intestine
- 304P BHALLA, P. & MARSHALL, I. Histamine H_1 - and H_2 -receptor mediated effects in vasa deferentia from the rat, guinea-pig and rabbit
- 305P DULABH, R., PARSONS, M.E., WILKINSON, J. & WILSON, P. Histamine receptors in guinea-pig airways
- 306P ANDERSON, A.A., ASHFIELD, D.J. & GOADBY, P. Anti-bronchoconstrictor activity of selected phosphodiesterase inhibitors and their effects on lung cyclic nucleotides
- 307P BUTLER, K.D. & SMITH, J.R. (Introduced by WHITE, A.M.) Inhibition of Forssman-induced bronchospasm in the guinea-pig
- 308P SALEH, S., WATON, N.G. & PARRATT, J.R. The effect of endotoxin shock on histamine and histidine decarboxylase enzyme activities in various tissues of cats
- 309P WHALLEY, E.T. & WHITE, SUSAN K. Effect of $PGF_{2\alpha}$, PGE_2 and ICI 81008 on the *in vivo* and *in vitro* uterus of non-pregnant rats and guinea-pigs
- 310P DURAND, A., DRING, L.G., GOMENI, R., MAS-CHAMBERLIN, C. & MORSELLI, P.L. Species variations in the kinetics of SL 75 212, a new β -adrenoceptor antagonist
- 310P HEWICK, D.S., SHEPHERD, A.M.M., STEVENSON, I.H. & WILSON, NINA M. Pharmacokinetics of vitamin K_1 in young and aged rats
- 312P BALLANTYNE, B. & SWANSTON, D.W. Ophthalmic effects of intramuscularly administered pralidoxime mesylate
- 313P HEFFRON, P.F. & HOBBIER, F. Does reactivation of phosphorylated acetylcholinesterase (AChE) in the brain enhance the antidotal actions of pyridinium aldoximes?
- 314P HEADING, CHRISTINE E., MAINGOT, S.G. & VIRDEE, A. Prevention of the acquisition of tolerance to eserine in mice
- 315P CAMPBELL, D., FITCH, W. & HUGHES, R.L. The effects of enflurane and halothane upon liver blood flow and oxygen consumption in the greyhound
- 316P CASSIDY, M.K. & HOUSTON, J.B. (introduced by ROWLAND, M.) Protective role of intestinal and pulmonary enzymes against environmental phenols
- 317P ODUM, J. & ORTON, T.C. (introduced by FITZGERALD, J.D.) Rat hepatic microsomal cytochrome(s) P-450 induced by clofibrate
- 318P HOLLOWAY, B.R. & ORTON, T.C. (introduced by FITZGERALD, J.D.) The effect of hypolipidaemic agents on hepatic peroxisomal and microsomal drug metabolising enzymes in relation to thyroxine modulation
- 319P MEREDITH, P.A., PETTY, M.A. & REID, J.L. The effect of lead exposure on brain catecholamines and their synthetic enzymes in the rat
- 320P BAILLIE, T.A., BOOBIS, A.R., DAVIES, D.S., FRANK, H. & MURRAY, S. Stereoselective excretion of 3-methoxy-4-hydroxyphenylethylene glycol sulphate in the dog
- 321P BOOBIS, A.R., DAVIES, D.S. & PACIFICI, G.M. Developmental changes in the inducibility of drug metabolising enzymes by 3-methylcholanthrene in hepatic and extrahepatic tissues of the rabbit

- 323P VELLUCCI, SANDRA V. & WEBSTER, R.A. A simple method for perfusion of the fourth ventricle of the rat: studies on GABA release
- 324P CROUCHER, M.J. & WEBSTER, R.A. Effects of uptake inhibitors on the efflux and metabolism of [^{14}C]-GABA in the guinea-pig cerebral cortex *in vivo*
- 321P STONE, M.A. & TOPHAM, L.D. (introduced by GREENWOOD, D.T.) Does binding to the high and low affinity GABA binding sites represent binding to benzodiazepine receptor linked and non-benzodiazepine receptor linked GABA receptors?
- 327P HOWLETT, D.R., NAHORSKI, S.R. & RED-GRAVE, P. Kainic acid selectively destroys dopamine and beta-adrenergic receptor subtypes in rat striatum
- 328P ATTERWILL, C.K. Further observations on the effects of triiodothyronine (T3) administration to rats on brain 5-HT and dopamine systems
- 329P STONE, TREVOR W. Blockade of neuronal responses to adenine derivatives by 4-aminopyridine
- 330P ILLINGWORTH, D.R. & NAYLOR, I.L. (Introduced by LEACH, G.D.H.) A novel isotonic transducer suitable for use with isolated tissues
- 330P SMALL, R.C. & WHYTE, BELINDA. The influence of cooling on the effects of noradrenaline, ATP and intramural inhibitory nerve activity in guinea pig taenia caeci
- 331P CLARK, L.A., SMALL, R.C. & TURNBULL, M.J. Purine action on guinea-pig trachealis muscle: an attempt to characterise the purinoceptor
- 332P COLLIER, H.O.J., CUTHBERT, N.J. & FRANCIS, D.L. Effects of time and drug concentration on the induction of responsiveness to naloxone in guinea-pig ileum exposed to normorphine *in vitro*
- 333P PAULING, P. Structural differences between typical anticholinergic substances and those used for Parkinson's syndrome
- 334P LAKE, DAWN M. & MARSDEN, C.A. Electrochemical detection of 5-hydroxytryptamine and tryptamine
- 335P BOURDOIS, P.S. & CHÂTELUS, A. Preyer's reflex and cortical evoked potential to assess audiotoxicity
- 335P FOZARD, J.R., GROVE, J., PART, M.L. & PRAKASH, N.J. Studies on the mechanism of the contragestational effects of α -difluoromethyl ornithine, an irreversible inhibitor of L-ornithine decarboxylase
- 336P OGDEN, D.C. & SIEGELBAUM, S.A. (introduced by COLQUHOUN, D.) The action of benzocaine on voltage-clamped frog end-plates
- 337P CLEAVER, G.J., KOTAS, A.M., PRINCE, A.K., REYNOLDS, R. & WONG, P.T.-H. The uptake of choline into synaptosomes; non Michaelis-Menten kinetics demonstrated by a grouped least squares analysis
- 339P BATES, R.F.L., BUCKLEY, G.A. & STRETTLE, R.J. The effect of salmon calcitonin on acetic acid induced chronic gastric ulceration in the rat
- 340P DUNCAN, G.G. & SMITH, G.M. A study of mechanisms involved in collagen and prostaglandin H_2 -induced intravascular platelet aggregation in the rat
- 341P COLEMAN, R.A., KENNEDY, I. & SHEDRICK, R.L.G. A simple method for generating thromboxane A_2
- 342P CAVERO, I., LEFÈVRE-BORG, FRANÇOISE & ROACH, A.G. Comparison of mianserin with desipramine and maprotiline on blood pressure responses to acetylcholine, histamine and 5-hydroxytryptamine in normotensive rats
- 343P MARKIEWICZ, M., MARSHALL, I. & NASMYTH, P.A. Lack of feedback via presynaptic α -adrenoceptors by noradrenaline released by a single pulse
- 344P GRANT, KAREN, MARSHALL, I. & NASMYTH, P.A. Cocaine and presynaptic α -adrenoceptor regulation of noradrenaline release in response to one and two pulses
- 345P CAMBRIDGE, D. & DAVEY, M.J. Comparison of the α -adrenoceptors located on sympathetic and parasympathetic nerve terminals
- 347P BLACKBURN, T.P., SHORE, A.B. & McNAB, A. (introduced by GREENWOOD, D.T.) A microcomputer based monitoring system for rat rotational behavior
- 347P HORSFALL, G.B., ROUSE, W. & SMITH, H.J. Measurement of regional myocardial contractility with ultrasonic crystals and direct on line analysis