

# British Journal of Pharmacology

## SHORT COMMUNICATION

- 3 CHERUBINI, E., NORTH, R.A. & SURPRENANT, A. Quinine blocks a calcium-activated potassium conductance in mammalian enteric neurones

## PAPERS

- 7 ONNEN, I. Non-specific, time-dependent desensitization of the vas deferens and anococcygeus preparations of the rat to  $\alpha_1$ -adrenoceptor antagonists and atropine
- 15 GARNETT, M.E., GODIN, D.V. & TUCHEK, J.M. *In vivo* and *in vitro* studies of bacterial endotoxin membrane interactions and the effects of membrane-active agents
- 23 CAPARROTTA, L., CILLO, F., FASSINA, G. & GAION, R.M. Dual effect of  $(-)-N^6$ -phenylisopropyl adenosine on guinea-pig trachea
- 31 CONNOR, E.A. & PARSONS, R.L. Alteration of the fast excitatory postsynaptic current by barium in voltage-clamped amphibian sympathetic ganglion cells
- 43 FURUTA, S., KISARA, K., SAKURADA, S., SAKURADA, T., SASAKI, Y. & SUZUKI, K. Structure-antinociceptive activity studies with neurotensin
- 49 COX, B.M., GOLDSTEIN, A. & NELSON, W.T. Nicotine self-administration in rats
- 57 LITTLE, H.J. The effects of benzodiazepine agonists, inverse agonists and Ro 15-1788 on the responses of the superior cervical ganglion to GABA *in vitro*
- 69 PEDATA, F., PEPEU, G. & SPIGNOLI, G. Biphasic effect of methylxanthines on acetylcholine release from electrically-stimulated brain slices
- 75 BARNETT, A., CHIU, P.J.S. & TETZLOFF, G. Effects of SCH 32651 on resting and stimulated acid secretion in guinea-pig isolated fundic mucosa
- 83 DEWHURST, D.G. Some characteristics of the long-latency component of the evoked muscle response induced by administration of catechol to the anaesthetized rat: a neurophysiological and neuropharmacological investigation
- 89 ATTERWILL, C.K., KINGSBURY, A., NICHOLLS, J. & PRINCE, A. Development of markers for cholinergic neurones in re-aggregate cultures of foetal rat whole brain in serum-containing and serum-free media: effects of triiodothyronine ( $T_3$ )
- 103 RUTLEDGE, A., SWAMY, V.C. & TRIGGLE, D.J. Calcium-dependence and antagonism of responses to  $\alpha_1$ - and  $\alpha_2$ -adrenoceptor agonists in vascular tissues from hypertensive and normotensive rats
- 113 FUJIOKA, M. Lack of a causal relationship between the vasodilator effect of papaverine and cyclic AMP production in the dog basilar artery
- 125 LEFER, A.M., MÜLLER, H.F. & SMITH, J.B. Pathophysiological mechanisms of sudden death induced by platelet activating factor
- 131 VARMA, D.R. & YUE, T.L. Influence of protein-calorie malnutrition on the pharmacokinetics, placental transfer and tissue localization of dexamethasone in rats
- 139 MULAY, S. & VARMA, D.R. Influence of streptozotocin-diabetes on the pharmacokinetics, placental transfer and tissue localization of dexamethasone in rats
- 145 MITCHELSON, F. & ZIEGLER, A. The effect of gallamine, gallopamil and nifedipine on responses to acetylcholine and carbachol in the taenia of the guinea-pig caecum
- 157 RUSH, B.D. & RUWART, M.J. The role of accelerated colonic transit in prostaglandin-induced diarrhoea and its inhibition by prostacyclin
- 161 CORTIJO, J., ESPLUGUES, J., MORCILLO, E.J. & PERPIÑÁ, M. Pharmacological analysis of the responsiveness of guinea-pig lung parenchymal strip to dopamine
- 169 KERR, D.I.B. & ONG, J. Evidence that ethylenediamine acts in the isolated ileum of the guinea-pig by releasing endogenous GABA
- 179 BERRY, S.C., DAWKINS, S.L. & LODGE, D. Comparison of  $\sigma$ - and  $\kappa$ -opiate receptor ligands as excitatory amino acid antagonists
- 187 KIMURA, I., KIMURA, M. & KIMURA, M. Potassium induces relaxation and hyperpolarizations of circular muscles but contraction of longitudinal muscles of pig duodenum
- 195 BROWN, D.A. & SCHOLFIELD, C.N. Inhibition of GABA uptake potentiates the conductance increase produced by GABA-mimetic compounds on single neurones in isolated olfactory cortex slices of the guinea-pig

- 203 BERDEAUX, A., BONHENRY, C., DUHAZÉ, P., GIUDICELLI, J.F. & THUILLEZ, C. Influence of heart rate on the effects of prenalterol on regional myocardial blood flow and function during coronary stenosis in dogs
- 211 SPEDDING, M. Changing surface charge with salicylate differentiates between subgroups of calcium-antagonists
- 221 KARMAZYN, M. A direct protective effect of sulphinpyrazone on ischaemic and reperfused rat hearts
- 227 AHMED, F., FOSTER, R.W., SMALL, R.C. & WESTON, A.H. Some features of the spasmogenic actions of acetylcholine and histamine in guinea-pig isolated trachealis
- 235 GOODWIN, G.M., GREEN, A.R. & JOHNSON, P. 5-HT<sub>2</sub> receptor characteristics in frontal cortex and 5-HT<sub>2</sub> receptor-mediated head-twitch behaviour following antidepressant treatment to mice
- 243 ITOH, T., KANMURA, Y., KURIYAMA, H. & SUZUKI, H. Nisoldipine-induced relaxation in intact and skinned smooth muscles of rabbit coronary arteries
- 259 KIRBY, G.C. & McQUEEN, D.S. Effects of the antagonists MDL 72222 and ketanserin on responses of cat carotid body chemoreceptors to 5-hydroxytryptamine
- 271 CORBETT, A.D., GILLAN, M.G.C., KOSTERLITZ, H.W., MCKNIGHT, A.T., PATERSON, S.J. & ROBSON, L.E. Selectivities of opioid peptide analogues as agonists and antagonists at the  $\delta$ -receptor
- 281 COCKS, T.M., JENKINSON, D.H. & KOLLER, K. Interactions between receptors that increase cytosolic calcium and cyclic AMP in guinea-pig liver cells
- 293 DALE, M.M. & LADD, R. A comparison of dimaprit, nordimaprit, methylamine and chloroquine as inhibitors of mitogen-induced lymphocyte activation
- 299 FAGBEMI, O., KANE, K.A., McDONALD, F.M., PARRATT, J.R. & ROTHUL, A.L. The effects of verapamil, prenylamine, flunarizine and cinnarizine on coronary artery occlusion-induced arrhythmias in anaesthetized rats
- 305 BRASWELL, L.M., MILLER, K.W. & SAUTER, J.-F. Pressure reversal of the action of octanol on post-synaptic membranes from *Torpedo*
- 313 BRAIN, S.D., CAMP, R.D.R., CUNNINGHAM, F.M., DOWD, P.M., GREAVES, M.W. & BLACK, A.K. Leukotriene B<sub>4</sub>-like material in scale of psoriatic skin lesions