

British Journal of Pharmacology

VOLUME 117 (1) JANUARY 1996

- J. Wójcicki, T. Sulikowski, M. Wójcicki, M. Drożdżik, B. Gawrońska-Szklarz, B. Barcew-Wiszniewska, J. Skowron & L. Różewicka. Pharmacokinetics of phenazone (antipyrine) in rabbits with experimental common bile duct obstruction 1
- Y-T. Xuan & P.S.A. Glass. Propofol regulation of calcium entry pathways in cultured A10 and rat aortic smooth muscle cells 5
- S.L. Lydford, K.C.W. McKechnie & I.G. Dougall. Pharmacological studies on prostanoid receptors in the rabbit isolated saphenous vein: a comparison with the rabbit isolated ear artery 13
- C.J. Watkins & N.R. Newberry. Multiple 5-HT receptors in the guinea-pig superior cervical ganglion 21
- D.R. Allan, S.B. Penner & D.D. Smyth. Antagonism by idazoxan at low dose but not high dose, of the natriuretic action of moxonidine 29
- P.M. Dunn, D.C.H. Benton, J. Campos Rosa, C.R. Ganellin & D.H. Jenkinson. Discrimination between subtypes of apamin-sensitive Ca^{2+} -activated K^{+} channels by gallamine and a novel *bis*-quaternary quinolinium cyclophane, UCL 1530 35
- L-C. Yu, P. Hansson, G. Brodda-Jansen, E. Theodorsson & T. Lundeberg. Intrathecal CGRP₈₋₃₇-induced bilateral increase in hindpaw withdrawal latency in rats with unilateral inflammation 43
- C.L. Beaugerard & P.G. Smith. Parasympathetic excitation of sympathetic innervation after cholinesterase inhibition 51
- L.J. Steward, J. Ge, R.L. Stowe, D.C. Brown, R.K. Bruton, P.R.A. Stokes & N.M. Barnes. Ability of 5-HT₄ receptor ligands to modulate rat striatal dopamine release *in vitro* and *in vivo* 55
- A.D. Michel & P.P.A. Humphrey. High affinity P_{2X}-purinoceptor binding sites for [³⁵S]-adenosine 5'-O-[3-thiotriphosphate] in rat vas deferens membranes 63
- I. Juránek & F. Lembeck. Evidence for the participation of glutamate in reflexes involving afferent, substance P-containing nerve fibres in the rat 71
- M.P. Hallsworth, M.A. Gienbycz, P.J. Barnes & T.H. Lee. Cyclic AMP-elevating agents prolong or inhibit eosinophil survival depending on prior exposure to GM-CSF 79
- P.J. Bennett & M.A. Simmonds. The influence of membrane cholesterol on the GABA_A receptor 87
- A.J. Kaumann. (-)-CGP 12177-induced increase of human atrial contraction through a putative third β -adrenoceptor 93
- V. Limmroth, W.S. Lee & M.A. Moskowitz. GABA_A-receptor-mediated effects of progesterone, its ring-A-reduced metabolites and synthetic neuroactive steroids on neurogenic oedema in the rat meninges 99
- B.F. del Pozo, F. Pérez-Vizcaino, E. Villamor, F. Zaragoza & J. Tamargo. Stereoselective effects of the enantiomers, quinidine and quinine, on depolarization- and agonist-mediated responses in rat isolated aorta 105
- S. Al-Damluji & I. J. Kopin. Functional properties of the uptake of amines in immortalised peptidergic neurones (transport-P) 111
- M. Holland, P.D. Langton, N.B. Standen & J.P. Boyle. Effects of the BK_{Ca} channel activator, NS1619, on rat cerebral artery smooth muscle 119
- M. Bianchi & A.E. Panerai. The dose-related effects of paracetamol on hyperalgesia and nociception in the rat 130
- D. Chesnoy-Marchais & J.Y. Barthe. Voltage-dependent block of NMDA responses by 5-HT agonists in ventral spinal cord neurones 133
- S. Flanders, K.J. Hardy & M.J. Lew. Effect of cold storage in University of Wisconsin solution on the responses of porcine hepatic arteries to 5-hydroxytryptamine and bradykinin *in vitro* 142
- A. Papapetropoulos, C.Y. Go, F. Murad & J.D. Catravas. Mechanisms of tolerance to sodium nitroprusside in rat cultured aortic smooth muscle cells 147
- J. Gonçalves & G. Queiroz. Purinoceptor modulation of noradrenaline release in rat tail artery: tonic modulation mediated by inhibitory P_{2Y}- and facilitatory A_{2A}-purinoceptors 156
- F. Noble & B.M. Cox. Differential desensitization of μ - and δ - opioid receptors in selected neural pathways following chronic morphine treatment 161
- J. Nicholls, V.R. Brownhill & S.M.O. Hourani. Characterization of P₁-purinoceptors on rat isolated duodenum longitudinal muscle and muscularis mucosae 170
- A.J. Kirkup, G. Edwards & A.H. Weston. Investigation of the effects of 5-nitro-2-(3-phenylpropylamino)- benzoic acid (NPPB) on membrane currents in rat portal vein 175

N. Lebel, P. D'Orléans-Juste, A. Fournier & P. Sirois. Role of the neutral endopeptidase 24.11 in the conversion of big endothelins in guinea-pig lung parenchyma **184**

G. Lombardi, P. Leonardi & F. Moroni. Metabotropic glutamate receptors, transmitter output and fatty acids: studies in rat brain slices **189**

K. Ren, M.J. Iadarola & R. Dubner. An isobolographic analysis of the effects of N-methyl-D-aspartate and NK₁ tachykinin receptor antagonists on inflammatory hyperalgesia in the rat **196**

E. R. Lazarowski, W.C. Watt, M. Jackson Stutts, H. Alex Brown, R.C. Boucher & T. Kendall Harden. Enzymatic synthesis of UTP γ S, a potent hydrolysis resistant agonist of P_{2U}-purinoceptors **203**

B.A. Evans, M. Papaioannou, V.R. Bonazzi & R.J. Summers. Expression of β_3 -adrenoceptor mRNA in rat tissues **210**

G. Fricker, A. Fahr, C. Beglinger, T. Kissel, G. Reiter & J. Drewe. Permeation enhancement of octreotide by specific bile salts in rats and human subjects: *in vitro*, *in vivo* correlations **217**

R.P. Burt, C.R. Chapple & I. Marshall. The role of diacylglycerol and activation of protein kinase C in α_{1A} -adrenoceptor-mediated contraction to noradrenaline of rat isolated epididymal vas deferens **224**

Corrigendum

231

The *British Journal of Pharmacology* is published by Stockton Press, a division of Macmillan Press Ltd. It is the official publication of the British Pharmacological Society.

Scope The *British Journal of Pharmacology* is published twice a month. It welcomes contributions in all fields of experimental pharmacology including neuroscience, biochemical, cellular and molecular pharmacology. The Board of Editors represents a wide range of expertise and ensures that well-presented work is published as promptly as possible, consistent with maintaining the overall quality of the journal.

This journal is covered by Current Contents, Excerpta Medica, BIOSIS, CABS, CINAHL and Index Medicus.

Editorial Manuscripts (plus two copies) and all editorial correspondence should be sent to: The Editorial Office, British Journal of Pharmacology, St George's Hospital Medical School, Cranmer Terrace, London SW17 0RE, UK. Tel: +44 (0)181 767 6765; Fax: +44 (0)181 767 5645.

Advertisements Enquiries concerning advertisements should be addressed to: Michael Rowley, Hasler House, High Street, Great Dunmow, Essex CM6 1AP, UK. Tel: +44 (0)1371 874613; Fax: +44 (0)1371 872273.

Publisher All business correspondence, supplement enquiries and reprint requests should be addressed to *British Journal of Pharmacology*, Stockton Press, Houndmills, Basingstoke, Hampshire RG21 6XS, UK. Tel: +44 (0)1256 29242; Fax: +44 (0)1256 810526. Publisher: Marija Vukovojac. Production Controller: Nicci Crawley. Supplement Production Controller: Simone Larché

Subscriptions – EU/Rest of World Subscription price per annum (3 volumes, 24 issues) £655, rest of world £735 (Surface mail) £880 (Airmail), or equivalent in any other currency. Orders must be accompanied by remittance. Cheques should be made payable to *Macmillan Magazines* and sent to: The Subscription Department, Macmillan Press Ltd, Houndmills, Basingstoke, Hampshire RG21 6XS, UK. Where appropriate, subscribers may make payments into UK Post Office Giro Account No. 519 2455. Full details must accompany the payment. Subscribers from EC territories should add sales tax at the local rate.

Subscriptions – USA USA subscribers call toll free 1-800-221-2123 or send check/money order/credit card details to: Stockton Press, 345 Park Avenue South, 10th Floor, New York, NY 10010-1707; Tel: +1 212 689 9200, Fax: +1 212 689 9711. USA annual subscription rates (institutional/corporate): \$1170 (surface) \$1400 (airmail). Individual making personal payment: \$240.

British Journal of Pharmacology (ISSN 0007-1188) is published twice a month by Macmillan Press Ltd, c/o Mercury Airfreight International Ltd, 2323 Randolph Avenue, Avenel, NJ 07001, USA. Subscription price for institutions is \$1170 per annum (surface). 2nd class postage is paid at Rahway NJ. Postmaster: send address corrections to Macmillan Press Ltd, c/o Mercury Airfreight International Ltd, 2323 Randolph Avenue, Avenel NJ 07001.

Reprints of any article in this journal are available from Stockton Press, Houndmills, Basingstoke, Hampshire RG21 6XS, UK. Tel: +44 (0)1256 29242; Fax: +44 (0)1256 810526.

Copyright © 1996 Stockton Press
ISSN 0007-1188

All rights of reproduction are reserved in respect of all papers, articles, illustrations, etc., published in this journal in all countries of the world.

All material published in this journal is protected by copyright, which covers exclusive rights to reproduce and distribute the material. No material published in this journal may be reproduced or stored on microfilm or in electronic, optical or magnetic form without the written authorisation of the Publisher.

Authorisation to photocopy items for internal or personal use of specific clients, is granted by Stockton Press for libraries and other users registered with the Copyright Clearance Center (CCC) Transaction Reporting Service, provided that the base fee of \$12.00 per copy is paid directly to CCC, 21 Congress St., Salem, MA 01970, USA. 0007-1188/96 \$12.00 + \$0.00.

Apart from any fair dealing for the purposes of research or private study, or criticism or review, as permitted under the Copyright, Designs and Patent Act 1988, this publication may be reproduced, stored or transmitted, in any form or by any means, only with the prior permission in writing of the publishers, or in the case of reprographic reproduction, in accordance with the terms of licences issued by the Copyright Licensing Agency.