British Journal of Pharmacology

VOLUME 116 (5) NOVEMBER 1995

SPECIAL REPORTS

- S. Boehm, S. Huck & P. Illes. UTP- and ATP-triggered transmitter release from rat sympathetic neurones via separate receptors 2341
- I. Margaill, M. Allix, C. Charriaut-Marlangue, R.G. Boulu & M. Plotkine. Loss of NADPH-diaphorase containing neurones after reversible focal ischaemia in rats delayed by L-NAME 2344
- N.A. Brown, G. McAllister, D. Weinberg, G. Milligan & G.R. Seabrook. Involvement of G-protein α il subunits in activation of G-protein gated inward rectifying K^+ channels (GIRK1) by human NPY₁ receptors 2346
- R.L.C. Handy, P. Wallace, Z.A. Gaffen, K.J. Whitehead & P.K. Moore. The antinociceptive effect of 1-(2-trifluoromethylphenyl) imidazole (TRIM), a potent inhibitor of neuronal nitric oxide synthase *in vitro*, in the mouse

 2349

PAPERS

- C.A. Lewis & K.J. Broadley. Airway hyper- or hyporeactivity to inhaled spasmogens 24 h after ovalbumin challenge of sensitized guinea-pigs 2351
- R.Y.K. Man & A.A.A. Kinnaird. Similar coronary vascular effects in the rat perfused heart of platelet-activating factor structural analogues with agonist and antagonist properties 2359
- P. Holzer, M. Jocič & B.A. Peskar. Mediation by prostaglandins of the nitric-oxide-induced neurogenic vasodilatation in rat skin 2365
- I.S. Ebenezer & B.A. Baldwin. 2-Naphthalenesulphanyl-L-aspartyl-2-(phenethyl) amide (2-NAP) and food intake in rats: evidence that endogeneous peripheral CCK does not play a major role as a satiety factor 2371
- R.R. Brett & J.A. Pratt. Changes in benzodiazepine-GABA receptor coupling in an accumbens-habenula circuit after chronic diazepam treatment

 2375
- P. Gupta, D. Brown, P. Butler, P. Ellis, K.L. Grayson, G.C. Land, J.E. Macor, S.F. Robson, M.J. Wythes & N.B. Shepperson. The *in vivo* pharmacological profile of a 5-HT₁ receptor agonist, CP-122,288, a selective inhibitor of neurogenic inflammation 2385
- A. de Cupis, D. Noonan, P. Pirani, A. Ferrera, L. Clerico & R.E. Favoni. Comparison between novel steroid-like and conventional nonsteriodal antioestrogens in inhibiting oestradiol- and IGF-I-induced proliferation of human breast cancer-derived cells

 2391

- S. Palea, M. Corsi, J.M. Rimland, D.G. Trist & E. Ratti. Failure of the putative neuropeptide Y antagonists, benextramine and PYX-2, to inhibit Y₂ receptors in rat isolated prostatic vas deferens 2401
- J. Vergés, L. Héroux, H. Maurice & P. du Souich. Extrahepatic metabolism of frusemide in anaesthetized rabbits 2407
- C. Brown, B. Tanna & M.R. Boarder. PPADS: an antagonist at endothelial P_{2Y}-purinoceptors but not P_{2U}-purinoceptors 2413
- H.S. Chowdrey, P.J. Larsen, M.S. Harbuz, D.S. Jessop, G. Aguilera, D.J.A. Eckland & S.L. Lightman. Evidence for arginine vasopressin as the primary activator of the HPA axis during adjuvant-induced arthritis

 2417
- A. Losinski & S.P.H. Alexander. Adenosine receptor-mediated relaxation of guinea-pig precontracted, isolated trachea 2425
- M.R. Panara, A. Greco, G. Santini, M.G. Sciulli, M.T. Rotondo, R. Padovano, M. di Giamberardino, F. Cipollone, F. Cuccurullo, C. Patrono & P. Patrignani. Effects of the novel anti-inflammatory compounds, N [2 (cyclohexyloxy) 4-nitrophenyl] methanesulphonamido (NS-398) and 5 methanesulphonamido 6 (2, 4 -difluorothiophenyl) 1 indanone (L-745,337), on the cyclo-oxygenase activity of human blood prosta-glandin endoperoxide synthases
- **E.J. Hide, P. Ney, J. Piper, C. Thiemermann & J.R. Vane.** Reduction by prostaglandin E_1 or prostaglandin E_0 of myocardial infarct size in the rabbit by activation of ATP-sensitive potassium channels **2435**
- J.C.M. Yu, J.D. Pickard & A.P. Davenport. Endothelin ET_A receptor expression in human cerebrovascular smooth muscle cells 2441
- Z-Y. Wang & R. Håkanson. Role of nitric oxide (NO) in ocular inflammation 2447
- K.D. Thornbury, K.M. Donaghy & J. Peake. Characteristics of the NANC post-stimulus ('rebound') contraction of the urinary bladder neck muscle in sheep 2451
- B.K. Kemp, J.J. Smolich, B.C. Ritchie & T.M. Cocks. Endothelium-dependent relaxations in sheep pulmonary arteries and veins: resistance to block by N^G-nitro-L-arginine in pulmonary hypertension 2457
- L. Tang, C.P. Smith, F.P. Huger & S. Kongsamut. Effects of besipirdine at the voltage-dependent sodium channel 2468
- G.R. Drummond & T.M. Cocks. Endothelium-dependent relaxations mediated by inducible B_1 and constitutive B_2 kinin receptors in the bovine isolated coronary artery 2473



- G.H. Allcock, T.D. Warner & J.R. Vane. Roles of endothelin receptors in the regional and systemic vascular responses to ET-1 in the anaesthetized ganglion-blocked rat: use of selective antagonists

 2482
- J. Waller, S.M. Gardiner, J. Jose & T. Bennett. Lack of effect of TNF antibodies on the cardiovascular sequelae of lipopolysaccharide infusion in conscious rats

 2487
- O. Piot, J. Betschart, I. Grall, S. Ravard, C. Garret & J.-C. Blanchard. Comparative behavioural profile of centrally administered tachykinin NK₁, NK₂ and NK₃ receptor agonists in the guinea-pig 2496
- H. El-Bizri, M.G. Rigdon & P.B.S. Clarke. Intraneuronal accumulation and persistence of radiolabel in rat brain following *in vivo* administration of [³H]-chlorisondamine 2503
- K.E. Ellis, R. Mistry, J.P. Boyle & R.A. J. Challiss. Correlation of cyclic AMP accumulation and relaxant actions of salmeterol and salbutamol in bovine tracheal smooth muscle

 2510

- M. Takeda & H. Lepor. Nitric oxide synthase in dog urethra: a histochemical and pharmacological analysis 2517
- M. Burnier, G. Centeno, G. Waeber, C. Centeno & E. Bürki. Effect of endotoxin on the angiotensin II receptor in cultured vascular smooth muscle cells
- Y. Noda, K. Yamada, H. Furukawa & T. Nabeshima. Enhancement of immobility in a forced swimming test by subacute or repeated treatment with phencyclidine: a new model of schizophrenia 2531
- E.C.M. de Lange, M.R. Bouw, J.W. Mandema, M. Danhof, A.G de Boer & D.D. Breimer. Application of intracerebral microdialysis to study regional distribution kinetics of drugs in rat brain 2538

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 contribution 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 2XS, UK. Tel: +44 (0)1256 29242; Fax: +44 (0)1256 810526. Publisher: Marija Vukovojac. Production Controller: Nicci Crawley.

Subscriptions – EU/Rest of World Subscription price per annum (3 volumes, 24 issues) £620, rest of world £820 (Airmail), £685 (Surface mail) 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 2XS, 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, 49, West 24th Street, New York, NY 10010; Tel: 212 627 5757, Fax: 212 627 9256. USA annual subscription rates: \$1230 Airmail; \$1030 Surface (Institutional/Corporate); \$225 (Individual making personal payment).

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 \$1030 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 2XS, UK. Tel: +44 (0)1256 29242; Fax: +44 (0)1256 810526.

Copyright © 1995 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 – 1188/95 \$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.