

COMMUNICATIONS

- 1P PLEVIN, R.J.* & POAT, JUDITH A.
Binding of [³H]-bradykinin to
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- 2P BEN-SHACHAR, D., JACOBOWITZ, D.
& YODIM, M.B.H.* Dopamine D₂
receptor modulation by brain
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- 3P CLARK, C.R., HUGHES, J. &
SHARIF, N.A.* Kappa opioid
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and nonpeptide radioligands -
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- 4P CLARK, C.R., DAY, N.C.*, HALL,
M.D. & HUGHES, J. Quantitative
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cholecystokinin receptors in
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- 5P BLAIN, I.R., DOLPHIN, A.C. &
PRESTWICH, S.A.* Inhibition of
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potassium currents.
- 6P ARAM, J.A.* & LODGE, D. Effects
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- 7P FOSTER, A.C.*, GILL, R. &
WOODRUFF, G.N. MK-801 prevents
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of quinolinic acid.
- 8P CARTER, C.J., NOEL, F. & SCATTON,
B. Sodium and calcium dependency
of N-methyl-D-aspartate induced
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- 9P FOSTER, A.C., GILL, R.*,
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Systemic administration of MK-801
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- 10P CHURCH, J., DAVIES, S.N., LAGNADO,
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MARSHALL, J. & MILLAR, J.D.
Studies on the use-dependency of
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- 11P ARAM, J.A., LODGE, D. &
O'SHAUGHNESSY, C.T.* Adenosine
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epileptiform activity in rat
cortical slices.
- 12P BROWN, C.M., DYE, A.C.,
KILPATRICK, A.T. & SPEDDING, M.
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nition sites: a consequence of
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- 13P KILPATRICK, I.C. & MOZLEY, LYN S.*
Medial thalamic neurones do not
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glutamate for neurotransmission.
- 14P DOLPHIN, A.C. & SCOTT, R.H.*
The action of BayK8644 on calcium
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GTP-γ-S.
- 15P BHOOLA, K.D., EVANS, R.H.* &
FORSTER, M.R. Excitatory effect
of bradykinin on spinal neurones.
- 16P LYLES, G.A. & TANEJA, DONNA T.*
Effects of amine oxidase
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The author who intended to present the work
is indicated by an asterisk (*) on the abstract

- 17P KAUMANN, A.J.* & LEMOINE, H.
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- 18P MARTIN, W. & WHITE, D.G.* Pig
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- 19P HERMAN, A.G., JORDAENS, F.G.,
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- 20P VAN DER WOUW, P.A., VLEEMING, W.,
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Functional response to dobutamine
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- 21P COKER, SUSAN J. Preliminary studies
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- 22P ALLAN, G. & LONGRIDGE, D.J.
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- 23P ALLEN, J.D., HARRON, D.W.G. &
UPRICHARD, A.C.G.* Effects of
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- 24P FOZARD, J.R. & MIR, A.K. Are 5-HT
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tensive effects of urapidil?
- 25P CLARK, K.L., DREW, G.M. & HILDITCH,
A. Potentiation of the effects of
dopamine in the rabbit splenic
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- 26P DUPONT, A.G.*, LEFEBVRE, R.A. &
VANDERNIEPEN, P. Fenoldopam
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- 27P ARMAH, I.B.* & FERRY, D.
Moxonidine (BE 5895) is a full
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- 28P DART, A.M., RIEMERSMA, R.A. &
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blockade on regional myocardial
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- 29P BODDEKE, H.W.G.M., HEYNIS, J.B.,
VELDSEMA-CURRIE, R., WILFFERT,
B.* & VAN ZWIETEN, P.A. Anti-
ischaemic properties of R 58735
in isolated heart preparations.
- 30P CHURCH, M.K., CLAY, T.P.,
HOLGATE, S.T., HUTSON, P.A.* &
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- 31P LAYCOCK, S.M., SMITH, H. &
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- 32P RICHARDS, R.* & TATTERSFIELD, A.E.
Comparison of timolol and its
isomer, L-714,465 on the airways
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- 33P ALABASTER, V.A., BULLOCH, J.M. &
McGRATH, J.C. Purinergic involve-
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- 34P DOLLERY, C.T., EADY, R., FULLER, R.W., JACKSON, D.M., NORRIS, A., TURNER, N.C.* & VENDY, K. Bronchial anaphylaxis in ascaris sensitive dogs.
- 35P LAGENTE, V., MONCADA, S. & de NUCCI, G.* Sensitization of guinea-pigs by aerosol: effect of paraquat.
- 36P COOK, D.G., MACLAGAN, JENNIFER & TAYLOR, R.G.* Bronchodilator action of inhaled ipratropium and fenoterol in normal subjects: a teaching exercise for medical students.
- 37P AL-KAZWINI, S.J., CRAIG, R.K., HOLMAN, J.J. & MARSHALL, I.* Maintained hypotensive effect of human α -CGRP after infusion for up to 4 hours in conscious rats.
- 38P CROSSMAN, D., DOLLERY, C.T., MACDERMOT, J., MACINTYRE, I. & McEWAN, J.* Effects of human calcitonin gene-related peptide of human endothelial cells.
- 39P BENJAMIN, N., DOLLERY, C.T., FULLER, R.W., LARKIN, S. & McEWAN, J.* The effects of calcitonin gene-related peptide and substance P on resistance and capacitance vessels.
- 40P COLEMAN, R.A., DENYER, L.H. & SHELDRICK, K.E. β -adrenoceptors in guinea-pig gastric fundus - are they the same as the 'atypical' β -adrenoceptors in rat adipocytes?
- 41P COOK, N., NAHORSKI, S.R. & BARNETT, D.B. Agonist induced internalisation and down regulation of β_2 -adrenoceptors on intact human platelets.
- 42P BECKERINGH, J.J., BRODDE, O.-E., BUTTNER, D. & MICHEL, M.C.* & WANG, X.L. β_2 -adrenoceptor density is increased in heart, lung and kidney of spontaneously hypertensive rats.
- 43P BECKERINGH, J.J., BRODDE, O.-E.*, DAUL, A., MICHEL, M.C. & WANG, X.L. Haemodynamic and lymphocyte β_2 -adrenoceptor changes during procaterol treatment in man.
- 44P ELFELLAH, M.S. & REID, J.L. Regulation of skeletal muscle β -adrenoceptors *in vivo* by chronic administration of adrenoceptor agonists and propranolol.
- 45P CHESS-WILLIAMS, R.* & CRITCHLEY, D.J.P. A physiological role for myocardial α -adrenoceptors in hypothyroidism.
- 46P LE FEUVRE, R., ROTHWELL, N.J.* & STOCK, M.J. Activation of brown fat thermogenesis in the rat by CRF.
- 47P GOROG, P. Inhibitory effect of mucopolysaccharide polysulphate on laser-induced microvascular thrombosis.
- 48P JAMIESON, A.* & RUSSELL, N.J.W. An analysis of the responses to electrical field stimulation capsaicin or formalin in the rabbit iris sphincter.

- 49P FREEMAN, PATRICIA C. & O'CALLAGHAN, P.* Decreased bioavailable copper in rat and human arthritic plasma - a rationale for copper therapy.
- 50P FURMAN, B.L., SIDEY, FIONA M.* & WARDLAW, A.C. Acute hyperinsulinaemia following ether exposure after α -adrenoceptor blockade or adrenal demedullation.
- 51P ASSIMALOPOULOS, MARY, BHOOLA, K.D.*, 59P DAWRANT, FIONA & TABERNER, P.V. The influence of spontaneous and drug-induced diabetes on mouse pancreatic and submandibular tissue kallikrein-like enzymes.
- 52P BHASKAR, N.K., DAVIS, J., FILIPOWICZ, B., HAWKEY, C.J.*, KEMP, R.T. & WALT, R.P. Possible physical basis for adaptive cytoprotection.
- 53P BLACKWELL, G.J., BOUGHTON-SMITH, N.K., GUARNER, F.* & MONCADA, S. Protective effect of prostacyclin on paracetamol induced liver injury.
- 54P BERRY, C.N.* & LLOYD, K.G. Effects of sulphasalazine and PHCL28A on gastric ulcer formation and prostaglandin metabolism in the rat.
- 55P BAKHLE, Y.S.* & PANKHANIA, J.J. Potentiation of prostaglandin (PG) synthesis by an inhibitor of PG dehydrogenase (PH CL28A) in rat isolated lung.
- 56P RAMPART, M.* & WILLIAMS, T.J. The effect of PGI_2 on polymorphonuclear leukocyte (PMNL) accumulation in rabbit skin.
- 57P KAKKAR, V.V. & KRISHNAMURTHI, S.* Studies on the roles of PG endoperoxides/thromboxane A_2 and diacylglycerol in 'weak' agonist-induced platelet secretion.
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- DICKEN, M.P., MASTERS, D.J.*, McMILLAN, R.M. & VICKERS, V.C. Activation and inactivation of 5-lipoxygenase by arachidonic acid.
- 60P TREVETHICK, M.A., WHELAN, C.J. & WRIGHT, G. The negative inotropic actions of leukotrienes are secondary to coronary vasoconstriction.
- 61P JOSEPH, S.K.*, KAKKAR, V.V., KRISHNAMURTHI, S. & PATEL, Y. 1,2-dioctanoylglycerol but not 1-oleoyl-2-acetylglycerol inhibits agonist-induced platelet responses.
- 62P JOSEPH, S.K., KAKKAR, V.V. & KRISHNAMURTHI, S.* Effect of protein kinase C activators on agonist induced arachidonate release in human platelets.
- 63P FRAZER, C.E. & RITTER, J.M. Recovery of endothelial prostacyclin synthesis after inhibition by aspirin, effects of cycloheximide and epidermal growth factor.

- 64P DAWSON, J.*, LEES, P. & SEDGWICK, A.D.
Chemoattractant properties of prostaglandin E₂ and leukotriene B₄ for equine polymorphonuclear and mononuclear leucocytes.
- 65P BARRETT, M.L., LEWIS, G.P. & O'NEILL, L.A.J.*
Mechanism of IL-1-induced PG₂ formation in human synovial cells.
- 66P BAIZMAN, E.R., BELL, M.R., BRADFORD, J.C., FERRARI, R.A., HAUBRICH, D.R., LUTTINGER, D., MILLER, M.S., PERRONE, M.H., PIERSON, A.K., SAELENS, J.K. & WARD, S.J.*
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- 67P BARASI, S.* & WILLIAMS, J.H.
The interaction between two putative spinal antinociceptive agents in rats anaesthetized with alphaxalone-alphadalone.
- 68P FOLLENFANT, R.L., HARDY, G.W.*, LOWE, L.A. & SMITH, T.W.
Antinociceptive effects of a novel, peripheral acting opioid peptide, Tyr.D.Arg.Gly.Phe[4-NO₂].Pro.NH₂ (443C).
- 69P LORENZETTI, B.B. & FERREIRA, S.H.*
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- 70P BRADSHAW, C.M., SHERIDAN, R.D. & SZABADI, E.*
Depressant responses of cortical neurones to isoprenaline: involvement of β_1 -adrenoceptors.
- 71P GAAL, J., HARSING, L.G., SOMOGYI, G.T., SZABO, L., SZANTAY, Cs., TOTH, I. & VIZI, E.S.*
CH-38083, a highly selective α_2 -adrenoceptor antagonist.
- 72P GALZIN, ANNE-MARIE, LANGER, S.Z. & RAMDINE, REGINE.
Interaction between forskolin and the α_2 -adrenoceptor-mediated inhibition of the electrically-evoked release of [³H]-5HT and [³H]-NA.
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Complex rat cortical [³H]-rauwolscine binding: heterogeneous α_2 -adrenoceptors or a serotonergic interaction?
- 74P LLOYD, K.G. & THURET, F.
The effect of zolpidem on [³⁵S]-TBPS binding to rat cortex membranes.
- 75P CLARKE, C.R., HUGHES, J. & LO, W.W.Y.*
Cholecystokinin and muscarinic receptors in flow 9000 cells activate phosphoinositide turnover in a GTP-sensitive mechanism.
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5-HT stimulated PI turnover does not reflect altered 5-HT₂ function after antidepressants or neurochemical lesioning.
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Adenosine inhibits histamine-induced inositol phospholipid hydrolysis in mouse cerebral cortex slices.

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A receptor reserve for muscarinic
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NMS/Oxo-M ratio, a binding assay
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- 83P ELLIOTT, J.M.* & KENT, AMANDA.
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- 84P ARBILLA, S., BIGG, D., CLAUSTRE,
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LANGER, S.Z., PIMOULE, C.,
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MAO inhibition but not MAO A
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- 86P COLLARD, K.J. & EVANS, SUZANNE M.*
The effect of monoamine oxidase
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- 87P BRITAIN, R.T., BUTLER, A., COATES,
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TYERS, M.B. The antipsychotic
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GR38032F: a potent and novel
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- 91P CURZON, G., DOURISH, C.T. &
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- 94P BUCKETT, W.R., LUSCOMBE, G.P. & THOMAS, P.C. The putative antidepressant BTS 54 524 rapidly and potently down-regulates cortical β -adrenoceptors in the rat.
- 95P BEN-SHACHAR, D. & YODIM, M.B.H.* Neuroleptic induced dopamine receptor supersensitivity and tardive dyskinesia may involve altered brain iron metabolism.
- 96P BARNES, JULIE C.*, COSTALL, BRENDA & NAYLOR, R.J. Antagonism by ketotifen of changes in dopamine receptor sensitivity in the rat brain.
- 97P KEEN, M., KELLY, E.* & NAHORSKI, S.R. Differential linkage of dopamine D₂ to D₁ stimulated cyclic AMP accumulation in rat striatum and limbic forebrain.
- 98P BENNETT, A. & GAFFEN, J.D.* Indomethacin increases the killing of malignant cells by methotrexate.
- 99P BENONI, G., CUZZOLIN, L., DEL SOLDATO, P.*, FOSCHI, D., FRACASSO, E. & VELO, G.P. Early events in the pathogenetic processes underlying indomethacin induced intestinal lesions in rats.
- 100P BARNES, P.J., CROSSMAN, D.C. & FULLER, R.W.* Cutaneous effects of neuropeptides are dependent upon both histamine and cyclooxygenase products.
- 101P COHEN, D.L., HANAHOE, T.H.P. & PURCELL, WENDY M.* Release of histamine and 5-hydroxytryptamine from rat peritoneal mast cells.
- 102P BENYON, R.C., CHURCH, M.K. & LOWMAN, M.A.* Histamine release from human dispersed skin mast cells induced by substance P.
- 103P MCKNIGHT, A.T. & MAGUIRE, J.J.* Comparison of the receptors for tachykinins in the vas deferens and portal vein of the rat.
- 104P FINBERG, J.P.M. & YODIM, M.B.H.* Buspirone potentiates contractile response of vas deferens to field stimulation.
- 105P COUPAR, I.M.* & TAYLOR, D.A. Possible involvement of noradrenergic and tryptaminergic neurones in the intestinal antisecretory action of morphine.
- 106P PRIESTLEY, T.* & WOODRUFF, G.N. Inhibition of electrically-evoked contractions of the rat anococcygeus by somatostatin and two cyclic analogues.
- 107P DOHERTY, J.R. Contractions to 5-hydroxytryptamine (5-HT) receptor agonists in the human saphenous vein.

- 108P EGLEN, R.M., HUFF, M.M. & WHITING, R.L. Different muscarinic receptor profiles in the guinea pig trachea and oesophageal muscularis mucosae.
- 109P BENNETT, T., STRANGE, P.G. & WILLIAMS, K.* Decrease in smooth muscle α_1 -adrenoceptors after reversible noradrenergic denervation.
- 110P KILBINGER, H. & WESSLER, I.* Nicotine and muscarine auto-receptors on the rat phrenic nerve.
- 111P MICHELETTI, R.* & SCHIAVONE, A. McN-A-343 activation of neuronal muscarinic receptors induces relaxation of the isolated rat duodenum.
- 112P FITZGERALD, M.F.*, LEES, I.W., PARENTE, L. & PAYNE, A.N. Exposure to PAF-acether aerosol induces airway hyperresponsiveness to 5-HT in guinea-pigs.
- 113P BARRETT, M.L., LEWIS, G.P., WARD, S.* & WESTWICK, J. Platelet activating factor induces interleukin-1 production from human adherent macrophages.
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- 115P GUTH, P.H., MORISHITA, T., OHYA, Y. & WHITTLE, B.J.R.* Actions of platelet-activating factor (PAF) on the rat gastric microcirculation.
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- 117P CUNNINGHAM, F.M.*, LEIGH, I. & MALLET, A.I. The production of platelet activating factor (PAF) by human epidermal cells.
- 118P BEIJER, L., BOTTING, J., OYEKAN, A.O., PAGE, C.P.* & RYLANDER, R. The involvement of PAF endotoxin-induced pulmonary platelet recruitment.
- 119P DAVIES, CHRISTINA, STANFORD, CLARES*, STEINBERG, HANNAH, SYKES, ELIZABETH A. & TERRY, P. Clenbuterol/chlordiazepoxide induced backward walking in mice is modified by mild stress.
- 120P CALLACHAN, H., LAMBERT, J.J.* & PETERS, J.A. The actions of the steroidal convulsant RU 5135 on glycine and GABA_A receptors.
- 121P GLINZ, R., MOHLER, H., RICHARDS, J.G.* & SEQUIER, J.M. In vivo binding characteristics of benzodiazepine receptor ligands in mouse brain: quantitative autoradiography and image analysis.
- 122P CLOW, ANGELA*, GLOVER, VIVETTE & SANDLER, M. Triazolam displacement of [^3H]-Ro 15-1788 and [^3H]-ethyl- β -carboline-3-carboxylate in different regions of rat brain.

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- 124P HOLZBAUER, MARGARETHE, RACKE, K.* & SHARMAN, D.F. GABA receptor-mediated inhibition of release of 5-hydroxytryptamine (5-HT) from the intermediate lobe of the rat hypothysis.
- 125P JOLY, D., LLOYD, K.G.*, PICHAT, Ph. & SANGER, D.J. Correlation between the behavioural effect of desipramine and GABA_B receptor regulation in the olfactory bulbectomized rat.
- 126P SOUTHERTON, J.S., TAYLOR, S.G.*, WEIR, SHEILA W. & WESTON, A.H. An investigation into the mechanism of action of pinacidil in rat blood vessels.
- 127P O'DONNELL, S.R. & WANSTALL, J.C.* Age influences responses of rat aorta and pulmonary artery to Bay K 8644, potassium, calcium and noradrenaline.
- 128P CAVERO, I. & LAWSON, K.* The laevo enantiomer of Bay K 8644 can contract the rat aorta in the absence of extracellular potassium ions.
- 129P EDWARDS, DIANE, HOLLINGSWORTH, M.*, SMALL, R.C. & WESTON, A.H. Relaxation of rat uterus by BRL34915.
- 130P COOK, N.S.*, GRIFFITHS, H.L. & HOF, R.P. The effects of some K⁺ channel blockers and K⁺ channel activator BRL 34915 upon the rabbit aorta.
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POSTER COMMUNICATIONS

- 132P MUIR, T.C. & WARDLE, KAY A. Electrical and mechanical responses to nerve stimulation in mouse vas deferens, evidence for co-transmission.
- 133P NUNN, D.L. & WATSON, S.P. A diacylglycerol kinase inhibitor, R59022, potentiates thrombin-induced platelet aggregation.
- 134P GONZALES, R.G., VERSLUIS-BROERS, J.A.M. & VAN WILGENBURG, H. Atropine reduces the decay phase of giant potentials induced by eserine in the rat neuromuscular junction.
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- 138P BARNES, P.J., MACLAGAN, J. & MELDRUM, L.A. Effects of tachykinins on cholinergic neural responses in guinea-pig trachea.
- 139P MILLER, R.C., SCHINI, V. & SCHOEFFTER, P. Effect of the endothelium on the extrusion of cyclic GMP from rat isolated aorta.
- 140P DE BRITO, F.B., MOORE, A.R. & WILLOUGHBY, D.A. The inflammatory response of the air pouch to bacterial lipopolysaccharide.
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