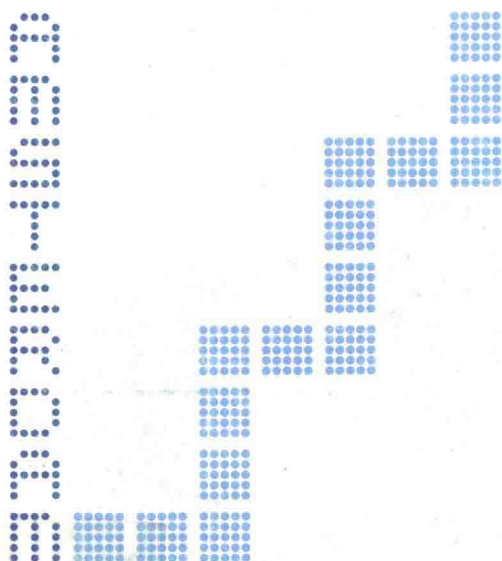


european journal of pharmacology



brief
communications

monday 2 july, 1990

XIth international congress
of pharmacology
amsterdam, the netherlands

Volume 183 / 2, July 1990

ISSN 0014-2990 / EJPHAZ 183 (2) 161-650 (1990)

elsevier

volume 183

European Journal of Pharmacology

editor

D. DE WIED

Volume 183, 1990.

ELSEVIER SCIENCE PUBLISHERS B.V.— AMSTERDAM

© 1990 Elsevier Science Publishers B.V. (Biomedical Division)

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written permission of the publisher, Elsevier Science Publishers B.V. (Biomedical Division), P.O. Box 1527, 1000 BM Amsterdam, The Netherlands.

No responsibility is assumed by the publisher for any injury and/or damage to persons or property as a matter of products liability, negligence or otherwise, or from any use or operation of any methods, products, instructions or ideas contained in the material herein. Because of the rapid advances in the medical sciences, the publisher recommends that independent verification of diagnoses and drug dosages should be made.

Although all advertising material is expected to conform to ethical (medical) standards, inclusion in this publication does not constitute a guarantee or endorsement of the quality or value of such product or of the claims made of it by its manufacturer.

Special regulations for authors. Upon acceptance of an article by the journal, the author(s) will be asked to transfer copyright of the article to the publisher. This transfer will ensure the widest possible dissemination of information.

Submission of a paper to this journal entails the author's irrevocable and exclusive authorization of the publisher to collect any sums or considerations for copying or reproduction payable by third parties (as mentioned in article 17 paragraph 2 of the Dutch Copyright Act of 1912 and in the Royal Decree of June 20, 1974 (S. 351) pursuant to article 16b of the Dutch Copyright Act of 1912) and/or to act in or out of Court in connection therewith.

Special regulations for readers in the U.S.A. This journal has been registered with the Copyright Clearance Center, Inc. Consent is given for copying of articles for personal or internal use, or for the personal use of specific clients. This consent is given on the condition that the copier pays through the Center the per-copy fee stated in the code on the first page of each article for copying beyond that permitted by Sections 107 or 108 of the U.S. Copyright Law. The appropriate fee should be forwarded with a copy of the first page of the article to the Copyright Clearance Center, Inc., 27 Congress Street, Salem, MA 01970, U.S.A. If no code appears in an article, the author has not given broad consent to copy and permission to copy must be obtained directly from the author. All articles published prior to 1980 may be copied for a per-copy fee of US \$2.25, also payable through the Center. This consent does not extend to other kinds of copying, such as for general distribution, resale, advertising and promotion purposes, or for creating new collective works. Special written permission must be obtained from the publisher for such copying.

This journal is printed on acid-free paper.

EUROPEAN JOURNAL OF PHARMACOLOGY

**Xlth
International Congress
of pharmacology**

Amsterdam, The Netherlands
1-6 July, 1990

Contents

Monday 2 July 1990	Title	Page
Oral presentation sessions 08.45-11.00		
S.mo.01.4-7	Receptor modulation by repeated psychotropic drug administration	161
S.mo.02.4-7	Current and future pharmacological strategies in the treatment of extrapyramidal disorders	165
S.mo.03.4-7	Central regulation of blood pressure and the influence of drugs	168
S.mo.04.4-7	Calcium channels in resistance vessels	172
S.mo.05.4-5	Growth factors in veterinary pharmacology	175
W.mo.01.3-5	New approaches in fertility control	178
W.mo.02.3-5	Computer modelling of receptors and ligands	180
O.mo.01.1-9	Modulation of airway function	183
O.mo.02.1-9	Antineoplastic drugs	191
O.mo.03.1-9	Cardiac ischaemia and anti-ischaemic drugs	199
O.mo.04.1-9	Drugs and addiction	206
Poster presentations 13.00-14.00		
P.mo.001-P.mo.020	Anti-asthmatic effects of inhibitors of autacoids	215
P.mo.021-P.mo.044	Drug treatment of cancer, cytostatic drugs	230
P.mo.045-P.mo.076	Pharmacology of ion channels	248
P.mo.077-P.mo.094	Hormones, growth and metabolism	276
P.mo.095-P.mo.125	Drugs influencing gastric ulcers	292
P.mo.126-P.mo.143	Cardiac ischaemia and anti-ischaemic drugs I	317
P.mo.144-P.mo.165	Drugs and platelet aggregation	332
P.mo.166-P.mo.189	Cardiac drugs: miscellaneous I	349
P.mo.190-P.mo.203	Pharmacokinetics: drug absorption and transport	367
P.mo.204-P.mo.232	Pharmacokinetics and biopharmaceutics	378
P.mo.233-P.mo.252	Catecholamines in the CNS: general I	401
P.mo.253-P.mo.273	Catecholamines in the CNS: general II	420
P.mo.274-P.mo.296	CNS neurotransmission: histamine, noradrenaline, amphetamines	438
P.mo.297-P.mo.329	CNS amino acids: GABA, glutamate and adenosine	458
P.mo.330-P.mo.354	Neuropeptides and the brain	487
P.mo.355-P.mo.370	Epilepsy and anticonvulsants	507
P.mo.371-P.mo.391	Clinical pharmacology: cardiovascular and CNS drugs I	519
P.mo.392-P.mo.412	Drugs acting on skeletal and vascular smooth muscle	537
P.mo.413-P.mo.439	Toxicology: narcotics, plant and animal poisons	554
P.mo.440-P.mo.456	Structure activity relationships	575
P.mo.457-P.mo.464	Clinical pharmacology: cardiovascular and CNS drugs II	589

Monday 2 July 1990	Title	Page
Oral presentation sessions 15.15-17.30		
S.mo.06.4-7	Control of the gastric proton pump: efficacy and safety	597
S.mo.07.4-7	Anti-epileptic drugs	599
S.mo.08.4-7	Cellular mechanisms of anti-ischaemic drugs	602
S.mo.09.4-7	New drugs from plants	606
W.mo.03.3-5	System dynamics in pharmacology	610
W.mo.04.3-7	CNS-lesions and behavioural plasticity	612
W.mo.05.3-6	Toxins and pharmacological tools	616
O.mo.05.1-9	Immunopharmacology: modulation of cell function and mediator secretion	620
O.mo.06.1-9	Clinical pharmacokinetics	627
O.mo.07.1-9	Influence of drugs on platelets	635
O.mo.08.1-9	Vascular NO system: nitric oxide synthesis	643

