

Journal of Pharmaceutical and Biomedical Analysis

Editor-in-Chief

Professor Anthony F. Fell Pharmaceutical Chemistry, School of Pharmacy, University of Bradford, Bradford, West Yorkshire BD7 1DP, UK

Editor (North America)

Professor Christopher M. Riley Experimental Station (Room 106, Building 353), DuPont Merck Pharmaceutical Company, P. O. Box 80400, Wilmington, DE 19880-0400, USA

Editor (South-East Asia and Japan)

Professor Terumichi Nakagawa Faculty of Pharmaceutical Sciences, Kyoto University, Sakyo-ku, Kyoto 606, Japan

Deputy Editor

Dr Terry M. Jefferies University of Bath, School of Pharmacy and Pharmacology, Claverton Down, Bath BA2 7AY, UK

Assistant Editors

Dr Harry G. Brittain Ohmeda Inc., BOC Group Technical Center, 100 Mountain Avenue, Murray Hill, NJ 07974, USA

Dr Geoffrey P. R. Carr Chiros Ltd, No. 283 Cambridge Science Park, Milton Road, Cambridge CB4 4WE, UK

Dr Craig E. Lunte Center for Bioanalytical Research, University of Kansas, 2095 Contsant Avenue, Lawrence, KS 66046-2535, USA

Dr Geoffrey Smith 11a The Garlands, Scarborough, North Yorkshire YO11 2SU, UK

Regional Advisory Editors

Professor Jacques Crommen Institute of Pharmacy, University of Liège, Rue Fusch 5, B-4000 Liège, Belgium

Professor Sándor Görög Chemical Works of Gedeon Richter Ltd, P.O. Box 27, H-1475 Budapest 10, Hungary

Dr James W. Munson The Upjohn Company, Kalamazoo, MI 49001, USA

Professor Toshio Nambara Hatano Research Institute, Food and Drug Safety Center, 729-5 Ochiai, Hadano, Kanagawa 257, Japan

Professor Sergio Pinzauti Department of Pharmaceutical Sciences, University of Florence, Via G. Capponi 9, 50121, Firenze, Italy

Professor Douglas Westerlund University of Uppsala, Biomedical Centre, Department of Analytical Pharmaceutical Chemistry, Box 574, S-751 23 Uppsala, Sweden

Editorial Advisory Board

D. H. Calam (Hertfordshire) *Chairman*

K. D. Altria (Ware, Herts)

D. W. Armstrong (Rolla, MO)

A. Bartha (Södertälje)

J. C. Berridge (Sandwich)

M. Brooks (West Point, PA)

D. T. Burns (Belfast)

J. Caldwell (London)

A. F. Casy (Bath)

G. D. Christian (Seattle, WA)

V. A. Davankov (Moscow)

F. Erni (Basel)

M. B. Evans (Hatfield)

H. Fabre (Montpellier)

C. Fenselau (Baltimore, MD)

E. Gelpí (Barcelona)

J. Goto (Sendai)

J. Haginaka (Hyogo)

W. S. Hancock (Palo Alto, CA)

S. H. Hansen (Copenhagen)

J. Hoogmartens (Leuven)

C. Horváth (New Haven, CT)

J. F. K. Huber (Vienna)

B. Hubert (Rockville, MD)

K. Imai (Tokyo)

K. Jinno (Toyohashi)

J. W. Jorgenson (Chapel Hill, NC)

B. L. Karger (Boston, MA)

P. T. Kissinger (West Lafayette, IN)

W. A. König (Hamburg)

M. A. Kral (Kansas City, MO)

B. Law (Macclesfield)

W. Lindner (Graz)

H. Lingeman (Amsterdam)

W. J. Lough (Sunderland)

R. D. McDowall (Kent)

N. Meltzer (Nutley, NJ)

Y. Michotte (Brussels)

J. M. Midgley (Glasgow)

J. N. Miller (Loughborough)

Joint Founding Editor

D. E. Moore (Sydney, NSW)

E. Mutschler (Frankfurt/Main)

J. K. Nicholson (London)

M. Polášek (Hradec Králové)

M. R. Smyth (Dublin)

J. T. Stewart (Athens, GA)

J. F. Stobaugh (Lawrence, KS)

J. Taskinen (Helsinki)

S. Terabe (Hyogo)

B. Testa (Lausanne)

M. Valcárcel (Córdoba)

A. Vigevani (Milan)

I. W. Wainer (Montreal)

S. G. Weber (Pittsburgh, PA)

I. D. Wilson (Macclesfield)

T. D. Wilson (Evansville, IN)

J. D. Winefordner (Gainesville, FL)

Production Editor

Ian Thompson, Elsevier Science Ltd, The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK

Published monthly

Publishing, Subscription and Advertising Offices:

Elsevier Science Ltd, The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK (Tel: 01865 843000; Fax: 01865 843010)

Annual Institutional Subscription Rates 1995: North, Central and South America, U.S. \$842.00, rest of world £565.00. Associated Personal Subscription Rates are available on request for those whose institutions are library subscribers. Sterling prices exclude VAT. Non-VAT registered customers in the European Community will be charged the appropriate VAT in addition to the price listed. Prices include postage and insurance and are subject to change without notice. Subscription enquiries from customers in North America should be sent to Elsevier Science Inc., 660 White Plains Road, Tarrytown, NY 10591-5153, USA, and for the remainder of the world to Elsevier Science Ltd, The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK (Tel: 01865 843000, Fax: 01865 843010).

Second class postage paid at Newark, NJ. Postmaster send address corrections to *Journal of Pharmaceutical and Biomedical Analysis*, c/o Elsevier Science Inc., 660 White Plains Road, Tarrytown, NY 10591-5153, USA.

Copyright © 1994 Elsevier Science Ltd

Whilst every effort is made by the publishers and editorial board to see that no inaccurate or misleading data, opinion or statement appear in this journal, they wish to make it clear that the data and opinions appearing in the articles and advertisements herein are the sole responsibility of the contributor or advertiser concerned. Accordingly, the publishers, the editorial board and editors, and their respective employees, officers and agents accept no responsibility or liability whatsoever for the consequences of any such inaccurate or misleading data, opinion or statement.