

Contents

Vol. 68, 2008, November (No. 9/10)

Originals

Column Liquid Chromatography

- Quantitative Analysis of Mixtures of Various Linear Anhydrides and Carboxylic Acids 685
J. Peydecastaing, C. Vaca-Garcia, E. Borredon
- Determination of Glucocorticoids in Animal Plasma, Urine and Tissues by Column-Switching LC-Tandem-MS 689
K. Heinig, T. Wirz, F. Bucheli
- Immunoaffinity Chromatography Clean-Up and LC for Analysis of Salinomycin and Narasin in Chicken Muscle 701
Youn-Kyoung Ra, Cun Li, Hai-Yang Jiang, Su-Xia Zhang, Si-Jun Zhao, Xiao-Wei Li, Jian-Zhong Shen
- LC-Tandem-MS Validation for the Quantitative Analysis of Levonorgestrel in Human Plasma 707
Fei Liu, Yu Xu, Aixiang Liu, Fang Xu, Wanqun Hu, Qingxiang Guo
- Determination of Drospirenone in Human Plasma by LC-Tandem-MS 713
U. Bhaumik, A. Ghosh, U. Mandal, B. Chatterjee, A. K. Sarkar, A. Bose, K. K. Ray, T. K. Pal
- Simultaneous Determination of Atenolol and Chlorthalidone by LC-MS-MS in Human Plasma 721
A. Khuroo, S. Mishra, O. Singh, S. Saxena, T. Monif
- Metabolic Profile of Nitazoxanide in Goat Feces 731
Zhanzhong Zhao, Lifang Zhang, Feiqun Xue, Tao Zhang
- LC-MS-MS Determination of Rotenone, Deguelin, and Rotenolone in Human Serum 739
P. Caboni, G. Sarais, S. Vargiu, M. A. De Luca, V. L. Garau, A. Ibba, P. Cabras
- Simultaneous Determination of Sulfonamides, Fluoroquinolones, Macrolides and Trimethoprim in Wastewater and River Water by LC-Tandem-MS 747
I. Senta, S. Terzić, M. Ahel
- Compilation of an ESI-MS Library of β -Lactam Antibiotics for Rapid Identification of Drugs 759
Xiao-Meng Chong, Chang-Qin Hu
- Development of an LC-DAD Method for Analysis of Dexketoprofen, Tramadol, and Haloperidol. Study of the Stability of Mixtures Used for Patient-Controlled Analgesia 767
A. Salmerón-García, E. Lopez-Lopez, E. Román, J. Cabeza, N. Navas, L. F. Capitán-Vallvey
- Analysis of Three Flavonoids in *Oxytropis kansuensis* Bunge by RP-LC-DAD Coupled with Weighted Least-Squares Linear Regression 773
Chen Li, Junxi Liu, Duolong Di, Shengxiang Jiang
- Chemical Fingerprinting of Medicinal Plants "Gui-jiu" by LC-ESI Multiple-Stage MS 781
Yan Zhou, Shun-Yuan Jiang, Li-Sheng Ding, Sau-Wan Cheng, Hong-Xi Xu, Paul Pui-Hay But, Pang-Chui Shaw

Electrochromatography

- CEC for Studying the Retention and Separation of Pesticides on a Humic Acid Stationary Phase 791
C. André, Y. C. Guillaume

Thin Layer Chromatography

- Quantitative Structure-Retention Relationships of Mixed Tris- β -Diketonato Complexes on Polyacrylonitrile Sorbent 797
R. Baošić, A. Radojević, Ž. Tešić

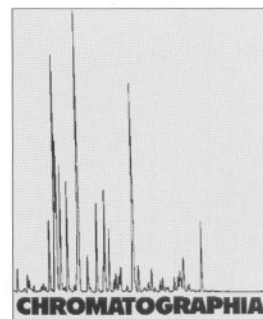
Full Short Communications

Column Liquid Chromatography

- Comparison of UPLC and HPLC for Analysis of 12 Phthalates 803
Ting Wu, Chao Wang, Xing Wang, Haiqing Xiao, Qiang Ma, Qing Zhang
- Testimony of the Correlation Between the Reactive Histidine Residue and the Arginase Catalytic Mechanism Using a Biochromatographic Concept and Mutagenesis Experiments 807
C. André, T. Bagnost, S. Limat, T. Gharbi, Y. C. Guillaume
- Quantitative Determination of Microcystins in Rat Plasma by LC-ESI Tandem MS 811
Ming Dai, Ping Xie, Jun Chen, Gaodao Liang, Ying Liu, Tong Qiu
- A Simple and Sensitive LC Method for Quantification of Cefteram in Human Plasma 817
JianJun Zou, ChunLian Jiang, Jing Yao, Qin Hu, Guang Ji Wang, DaWei Xiao
- Simultaneous Determination of Three Flavonoids in Rat Plasma by RP-LC After Oral Administration of the Total Flavonoids of *Scutellaria barbata* 823
Lian-Jun Luan, Fa-Ping Gan, Yong-Jiang Wu

Contents

Vol. 68, 2008, November (No. 9/10)



	A Stability Indicating LC Method for Vardenafil HCl D. V. Subba Rao, K. V. Surendranath, P. Radhakrishnanand, M. V. Suryanarayana, P. Raghuram	829
	Stability Indicating LC Assay Method for the Determination of Famciclovir in Bulk Drug and Pharmaceutical Dosage Forms Ch. B. V. Narasimha Raju, G. Panda, G. Nageswara Rao	837
	Simultaneous Determination of Tramadol and Ibuprofen in Pharmaceutical Preparations by First Order Derivative Spectrophotometric and LC Methods A. B. Thomas, N. G. Dumbre, R. K. Nanda, L. P. Kothapalli, A. A. Chaudhari, A. D. Deshpande	843
Thin Layer Chromatography	RP-LC Resolution of (<i>R,S</i>)-Atenolol via Diastereomerization with Marfey's Reagent and Its Structural Variants Under Conventional and Microwave Heating R. Bhushan, S. Tanwar	849
	Stability-Indicating HPTLC Method for Analysis of Moclobemide, and Use of the Method to Study Degradation Kinetics S. S. Patel, R. S. Keshalkar, M. B. Patel	855
Limited Short Communications		
Column Liquid Chromatography	A Validated LC Method for the Determination of Chiral Purity of (1 <i>S</i>)-6,11-Dioxo-1,2,3,4,6,11-Hexahydropyridazino [1,2- <i>b</i>]Phthalazine-1-Carboxylic Acid: A Key Intermediate of Cilazapril S. Sangaraju, B. M. Rao, G. R. Deshpande, S. Radhakrishna, N. H. Eswaraprasad, N. Someswararao	861
	LC with Fluorimetric Detection for Sensitive Analysis of Reduced Flubendazole in Biological Samples V. Kubiček, M. Soukupová, M. Nobilis, V. Křížová, B. Szotáková, L. Skálová	865
	Validation and Application by LC for Simultaneous Determination of Imperatorin and Isoimperatorin in Traditional Chinese Medicinal Preparations Containing <i>Radix Angelicae dahuricae</i> Guangde Yang, Li Zhang, Baolu Feng, Jiye Zhang	869
	Validated RP-LC Method for Standardization of Ashokarishta: A Polyherbal Formulation R. Govindarajan, D. P. Singh, A. K. S. Rawat	873
Thin Layer Chromatography	TLC Determination of Betulinic Acid from <i>Nymphodites macrospermum</i> : A New Botanical Source for Tagara K. Murthy, S. Mishra	877
Book Reviews		881
Calendar of Events		A7
Instructions to Authors		A9

Purchasing Information. Einkaufsnachweis

Chromatographs Liquid

Chromatography, HPLC-Systems

Detectors for Liquid

Wissenschaftlicher Gerätebau

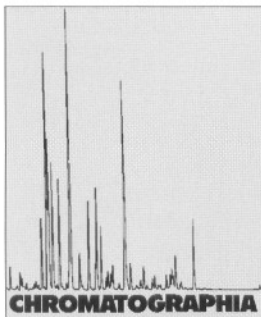
Dr.-Ing. H. Knauer GmbH

Hegauer Weg 38

D-14163 Berlin

Tel. 030 / 809 727-0

Fax 030 / 801 50 10



Vol. 68, 2008, November (No. 9/10)

Chromatographia was founded by R. E. Kaiser in 1968.

Publisher

Chromatographia is published by Vieweg + Teubner|GWV Fachverlage GmbH, P.O. Box 1546, 65173 Wiesbaden, Germany, Tel. +49 (0)611 7878 380(-381); Telefax +49 (0)611 7878 439
Editorial office e-mail: chromatographia@viewegteubner.de; webpage: <http://www.chromatographia.com>
For more information regarding Vieweg + Teubner's program for books and journals see our homepage: <http://www.viewegteubner.de>

Advertising Representatives

Inquiries concerning advertising should be addressed to Christian Kannenberg, Tel. +49 (0)611 7878-369; Fax +49 (0)611 7878-430; e-mail: Christian.Kannenberg@gwv-fachverlage.de
Inquiries in USA: Trade Media International, 424 Madison Avenue, New York, NY 10017, USA; Tel. (212)421-1229.

Distributors

Vieweg + Teubner, P.O. Box 1546, 65173 Wiesbaden, Germany;
e-mail: vieweg@abo-service.info

Distributions in the USA

North and South America. Please ask for the appropriate price list in US \$. Please mail orders and inquiries to: Springer New York, Inc., Journal Fulfillment, P.O. Box 2485, Secaucus, NJ 07096-2485, USA, Tel. 1-800-SPRINGER (777-4643) or +1-212-4601500; Fax +1-201-3484505; e-mail: journals-ny@springer.com

Subscriptions

Chromatographia is published monthly. Up to three volumes may be published per year.
Vols. 69, 70, Supplements (2009) EUR 1886.92 excl. VAT; EUR 2264.30 excl. VAT
USD 2395.00 (basic net); USD 2874.00 (enhanced net)

Prices do not include postage. Subscriptions are renewed automatically for one year unless notice to terminate the subscription is given three months before the end of the current year.

Submission of Papers

Online submission: <http://www.editorialmanager.com/chro/>. For papers intended for review-type articles, an outline of the proposed article should first be forwarded to the Editorial Office Manager for preliminary discussion, prior to preparation. For general information on the rules concerning style and format of manuscripts please refer to "Instructions to Authors" in every issue or on CHROMATOGRAPHIA's website www.chromatographia.com

Copyright

On publication of a manuscript the exclusive copyright for every language and country passes over to the Publisher. In the USA permission to photocopy for internal or personal use or the internal or personal use of specific clients is granted by the Publisher for libraries and other users registered with the Copyright Clearance Center (CCC), provided that the stated fee per copy is paid directly to the CCC, 21 Congress Street, Salem, MA 01970. Special requests should be addressed to the Publisher.

Trademarks

The use of general descriptive names, trade names, trademarks, etc., in the publication, even if the former are not especially identified, is not to be taken as a sign that such names, as understood by the Trade Marks and Merchandise Marks Act, may accordingly be used freely by anyone.

Liability

Whilst every effort is made by the publisher and editorial board to see that no inaccurate or misleading data, opinion or statement appears 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. The views expressed in the journal's book review section are those of the individual over whose name they appear and the Publishers do not necessarily agree with any of the opinions expressed.

© Vieweg + Teubner|GWV Fachverlage GmbH, Wiesbaden 2008
Vieweg + Teubner is a part of the specialist publishing group Springer Science + Business Media.

Typesetting: Scientific Publishing Services (P) Ltd, Chennai, India.
Printing and Binding: Stürtz GmbH, Würzburg
Printed on acid-free paper. Printed in Germany

ISSN 0009-5893 (print edition); ISSN 1612-1112 (electronic edition)

Chromatogram on front page: Gas chromatographic separation of gasoline hydrocarbons (selected section of chromatogram) with glass capillary column.