

Vol. 71, No. 5/6

CHROMATOGRAPHIA

An International Journal for Rapid Communication in Chromatography, Electrophoresis, and Associated Techniques

March 10

CHRGB7 355–556 (2010)

Scientific Editors

T. A. Berger
Englewood, FL, USA
H. Lingeman
Amsterdam, The Netherlands
G. Massolini
Pavia, Italy
G. K. E. Scriba
Jena, Germany
R. M. Smith
Loughborough, UK

Technical Editors

E. R. Adlard
Burton, UK
K. D. Altria
Harlow, UK
S. Brandt
Liverpool, UK
I. W. Davies
Cambridge, UK

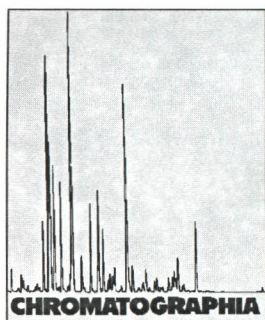
Publisher

R. Birkelbach
Wiesbaden
Germany

www.chromatographia.com



CHROMATOGRAPHIA



Contents

Vol. 71, 2010, March (No. 5/6)

Originals

Column Liquid Chromatography

- Separation and Determination of Monovalent and Divalent Cations by the Facile Propylsulfonic Acid Functionalized Silica Stationary Phase **Hongdeng Qiu, Min Sun, Jingang Niu, Xia Liu, Shengxiang Jiang** 355
- Enantiomeric Resolution of a Chiral Sulfoxide Series by LC on Synthetic Polymeric Columns with Multimodal Elution **T. C. Lourenço, D. W. Armstrong, Q. B. Cass** 361
- A Validated LC Method for the Quantitation of Cefotaxime in pH-Sensitive Nanoparticles **R. Pereira, T. Julianto, P.-K. Ang, S.S.-N. Ling, C. M. Barbosa, K.-H. Yuen, A. B. A. Majeed** 373
- Simultaneous Determination of Fluoroquinolones, Tetracyclines and Sulfonamides in Chicken Muscle by UPLC-MS-MS **Jianzhong Shen, Liming Guo, Fei Xu, Qinxiong Rao, Xi Xia, Xiaowei Li, Shuangyang Ding** 383
- Analysis of Nanafrocinn in Foodstuffs of Animal Origin by LC-MS-MS **Kaipeng Cheng, Sufang Wang, Kangquan Guo, Dongfei Zhang, Junfeng Guo, Wuyong Sun, Yaohua Hu** 389
- On-Line SPE Coupled with LC for Analysis of Traces of Sudan Dyes in Foods **Xu Zhixiang, Wang Shuo, Fang Guozhen, Song Jiajia, Zhang Yan** 397
- Determination of Estrone and 17 β -Estradiol in Water Samples Using Dispersive Liquid-Liquid Microextraction Followed by LC **Xiwei Du, Xuedong Wang, Yanyan Li, Faqing Ye, Qiaoxiang Dong, Changjiang Huang** 405
- Derivatization of Methylamine and Ethylamine Followed by LC and Fluorescence Detection for Measurement of Urinary Clearance **Z. Quan, M. Ponda, M. Melamed, A. Raff, N. Berman, J. Scherer, M. Bitzer, T. Meyer, T. Hostetter** 411
- Development and Validation of a Novel Gradient LC Method for Simultaneous Determination of Isoniazid and Acetylisoniazid in Human Plasma **R. Mahjub, H. Khalili, M. Amini** 419
- Simultaneous Analysis of Fluoxetine, Norfluoxetine, Citalopram, and Haloperidol in Plasma by LC-ESI-IT-MS **A.-W. El-Rjoob, M. Tahtamouni, Y. R. Tahboub** 423

Electrophoresis

- Prediction of Electrophoretic Mobilities of Organic Acids Using Artificial Neural Networks with Three Different Training Functions **Z. Garkani-Nejad, S. A. Seyedbagheri** 431
- Simultaneous Analysis of Sugars and Polyphenols in Tobacco by CZE with Amperometric Detection Based on a Cu₂O/MWCNT-COOH Composite Electrode **Zhiyong Yang, Linlin Zhang, Gang Li, Qingjiang Wang, Pingang He, Yuzhi Fang** 439

Gas Chromatography

- Identification of Sinomenine from *Sinomenium actum* and Its Simultaneous Quantitation by GC-MS and Non-Aqueous CE **Yuhong Zhu, Qinhu Chen, Aiguo Zeng, Peng Li** 447
- Analysis of Volatile Compounds in the Pericarp of *Zanthoxylum bungeanum* Maxim. by Ultrasonic Nebulization Extraction Coupled with Headspace Single-Drop Microextraction and GC-MS **Lu Wang, Ziming Wang, Xueyuan Li, Huihui Zhang, Xin Zhou, Hanqi Zhang** 455
- Application of Double-Phase Liquid Phase Microextraction in the Determination of Partition Coefficients and Analysis of Pesticides in Water Samples **M. M. Sanagi, N. A. Z. Abidin, W. A. W. Ibrahim, H. Y. Aboul-Enein** 461

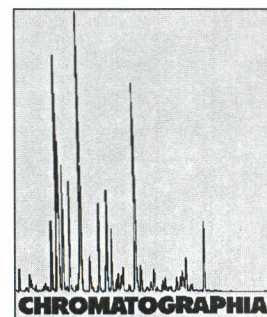
Full Short Communications

Column Liquid Chromatography

- Comparison of RP, Ion-Pair and IE Chromatography Coupled with UV and Tandem Mass Spectrometry for the Determination of 8-Hydroxyquinoline in Cosmetics **Qiang Ma, Chao Wang, Hua Bai, Wei Ma, Xin Zhou, Yiyang Dong, Qing Zhang** 469
- Determination of Imidazolium Ionic Liquid Cations by Ion-Pair Chromatography Using a Monolithic Column and Direct Conductivity Detection **Wei Gao, Hong Yu, Shuang Zhou** 475
- Preparative Isolation and Purification of Two Phenylpropanoids from *Daphne giraldii* Nitsche by HSCCC **Feng-Yun Li, Zhan-Ping Gou, Xiao-Chi Ma, Yan Tian, Ge Tian, Chang-Yuan Wang, Dong-Hai Su, Ke Xin Liu, Xiu-Lan Xin** 481
- Electrospun Nylon6 Nanofibrous Membrane as SPE Adsorbent for the Enrichment and Determination of Three Estrogens in Environmental Water Samples **Qian Xu, Shu-Yan Wu, Min Wang, Xue-Yan Yin, Zuo-Yang Wen, Wen-Na Ge, Zhong-Ze Gu** 487

Contents

Vol. 71, 2010, March (No. 5/6)



	Comparison of Two On-Line Analysis Techniques Used for the Screening of Antioxidants in EGb 761 Xiao-Ping Ding, Xin-Tang Wang, Tian Xu, Jin Qi, Hui Wang, Bo-Yang Yu	493
	A Single RP-LC Method for the Determination of Benzalkonium Chloride and Its Potential Impurities in Benzalkonium Chloride Raw Material M. Santos, M. Li, A. M. Rustum	499
	LC-Tandem Mass Spectrometry Method for Quantification of Lumefantrine in Human Plasma and Its Application to Bioequivalence Study V. Munjal, N. Paliwal, B. K. Chaurasia, B. Varshney, T. Ahmed, J. Paliwal	505
	Simultaneous RP-LC Analysis of the Prodrug Scu-PEG and Its Metabolite Scutellarin in Rat Plasma Juan Lu, Qingfei Liu, Xinge Zhao, Rong Gao, Wenjuan Cong, Yiming Wang, Guoan Luo	511
	Rapid Determination of Carbamazepine in Human Urine, Plasma Samples and Water Using DLLME followed by RP-LC H. A. Mashayekhi, P. Abroomand-Azar, M. Saber-Tehrani, S. W. Husain	517
	LC Determination of Tramadol, M1, M2, M4, and M5 in Plasma J. Yarbrough, C. Greenacre, M. Souza, S. Cox	523
<i>Electrokinetic Chromatography</i>	Geographical Classification of Green Teas Based on MEKC with Laser-Induced Fluorescence Detection Nengsheng Ye	529
<i>Gas Chromatography</i>	Determination of Deoxynivalenol in Medicinal Herbs and Related Products by GC-ECD and Confirmation by GC-MS Yan-Tao Yue, Xiao-Fei Zhang, Jianyu Pan, Zhen Ou-Yang, Jun Wu, Mei-Hua Yang	533
	Chromatographic Properties of 2,3-Di-O-allyl-6-O-acyl- β -cyclodextrins as Chiral Stationary Phases of Capillary GC Xueyan Shi, Pei Liang, Dunlun Song, Xiwu Gao	539
Limited Short Communications		
<i>Column Liquid Chromatography</i>	A Simple Method for Quantification of Lidocaine and Its Metabolite Monoethylglycine Xylidide in Plasma A. T. López, B. P. Guille, G. C. Vieyra, O. Flores, H. J. Olguin, F. Villegas, J. G. Zamora, R. Soriano, M. Jiménez-Bravo, G. P. Guille	545
<i>Gas Chromatography</i>	GC-MS Determination of Diclofenac in Human Plasma B. Yilmaz	549
Book Reviews		
	Environmental Chemistry in Society, J.A.M. Beard K. Jones	553
	Environmental Toxicants: Human Exposures and Their Health Effects, 3rd Edition, M. Lippmann I. W. Davies	555
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