

CHROMATOGRAPHIA

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

Scientific Editors

E. R. Adlard, Burton, UK

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

 Springer

Chromatographia

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

Volume 75 · Numbers 21–22 · November 2012

REVIEW

Microfluidic Pressure Driven Liquid Chromatography of Biologically Relevant Samples

P. Pruijm · P.J. Schoenmakers · W.Th. Kok 1225

ORIGINALS

Column Liquid Chromatography

Linear Solvation Energy Relationships in the Determination of Specificity and Selectivity of Stationary Phases

S. Studzińska · B. Buszewski 1235

Kinetic Study on the Isomerization of Perindopril by HPLC

S. Bouabdallah · H. Trabelsi · M.T.B. Dhia · N.B. Hamida 1247

The Application and Validation of HybridSPE-Precipitation Cartridge Technology for the Rapid Clean-up of Serum Matrices (from Phospholipids) for the Clinical Analysis of Serotonin, Dopamine and Melatonin

M. Moriarty · A. Lee · B. O'Connell · M. Lehane · H. Keeley · A. Furey 1257

Identification of the Fatty Acyl Residues Composition and Molecular Species of Phosphatidylcholines in Soy Lecithin Powder by UPLC-ESI-MS/MS

W. Cao · K. Zhang · G. Tao · X. Wang · Y. Liu 1271

Metabonomics Study of TCM Formula: Qutan Huayu Tongmai Granule as an Effective Treatment for Atherosclerosis in Mini-Pigs

S. Ming-Qian · L. Jian-Xun · L. Cheng-Ren · L. Lei · R. Jian-Xun · M. Lan · C. Jin · L. Li 1279

Electrophoresis

Rapid Determination of Creatinine in Human Urine by Microchip Electrophoresis with LED Induced Fluorescence Detection

S. Wang · X. Li · J. Yang · X. Yang · F. Hou · Z. Chen 1287

Rapid Simultaneous Determination of Four Alkaloids in Lotus Plumule by CZE with Ephedrine Hydrochloride as an Internal Standard

G. Yang · W. Li · Y. Pan · X. Tu 1295

Gas Chromatography

GC/TOFMS Analysis of Endogenous Metabolites in Mouse Fibroblast Cells and Its Application in TiO₂ Nanoparticle-Induced Cytotoxicity Study

Y. Liu · Y. Cheng · T. Chen · Y. Zhang · X. Wang · A. Zhao · W. Jia · Y. Bo · C. Jin 1301

GC Determination of Famotidine, Ranitidine, Cimetidine, and Metformin in Pharmaceutical Preparations and Serum Using Methylglyoxal as Derivatizing Reagent

S.A. Majidano · M.Y. Khuhawar 1311

Determination of Trace Levels of Fatty Acid Methyl Esters in Aviation Fuel by GC × GC-FID and Comparison with the Reference GC-MS Method

K. Lissitsyna · S. Huertas · R. Morales · L.C. Quintero · L.M. Polo 1319

SHORT COMMUNICATIONS

Column Liquid Chromatography

Simple Stereoselective HPLC Method for Studying the Isomerisation of Cefditoren Pivoxil and Its Isomeric Purity in Pharmaceuticals

H.M. Albishri 1327

Electrophoresis

Simultaneous Analysis of Isoniazid and Its Impurities by CZE

A.F. Faria · J.P. Vasconcelos · R.S.B. Gonçalves · M.V.N. de Souza · M.A.L. de Oliveira 1335

BOOK REVIEWS

Mike S. Lee: Mass Spectrometry Handbook

C.F. Poole 1341

Lokesh Bhattacharyya and Jeffrey S. Rohrer (Eds): Applications of Ion Chromatography for Pharmaceutical and Biological Products

C.F. Poole 1343

Further articles can be found at www.springerlink.com

Abstracted/Indexed in *Academic OneFile*, *AGRICOLA*, *Analytical Abstracts*, *ASFA*, *CAB Abstracts*, *CAB International*, *CAS*, *Chemical Abstracts Service (CAS)*, *ChemWeb*, *Chimica*, *Elsevier Biobase*, *EMBASE*, *Food Science and Technology Abstracts*, *Gale*, *GeoRef*, *Global Health*, *Google Scholar*, *IBIDS*, *INIS Atomindex*, *International Bibliography of Periodical Literature (IBZ)*, *Mass Spectrometry Bulletin*, *OCLC*, *PASCAL*, *Proquest*, *SCOPUS*, *Summon by Serial Solutions*, *VINITI - Russian Academy of Science*

Instructions for Authors for *Chromatographia* are available at www.springer.com/10337