

Journal of Chromatography B, 753 (2001) 437-441

# JOURNAL OF CHROMATOGRAPHY B

www.elsevier.com/locate/chromb

# Compound Index Vol. 753

## Acetaminophen glucuronide

High-performance liquid chromatographic assay for acetaminophen glucuronide in human liver microsomes 753(2001)303

## Acetylcholinesterase immobilisation

Determination of inhibitors' potency ( $IC_{s0}$ ) by a direct highperformance liquid chromatographic method on an immobilised acetylcholinesterase column 753(2001)375

# Activity evaluation

Determination of inhibitors' potency ( $IC_{50}$ ) by a direct highperformance liquid chromatographic method on an immobilised acetylcholinesterase column 753(2001)375

#### Albumin

Effect of molecular parameters on the binding of phenoxyacetic acid derivatives to albumins 753(2001)87

# Amino acids

Plasma L-arginine is markedly reduced in pregnant women affected by preeclampsia 753(2001)427

# 2-Aminopyridine

Application of 2-aminopyridine fluorescence labeling in the analysis of in vivo and in vitro metabolism of dextran sulfate sodium by size-exclusion high-performance liquid chromatography 753(2001)209

#### Aniline

Binding of substituted phenol and aniline derivatives to the corn protein zein studied by high-performance liquid chromatography 753(2001)79

# L-Arginine

Plasma L-arginine is markedly reduced in pregnant women affected by preeclampsia 753(2001)427

# **BNP7787**

Quantification of BNP7787 (dimesna) and its metabolite mesna in human plasma and urine by high-performance liquid chromatography with electrochemical detection 753(2001)293

# **Byak-angelicin**

Simultaneous determination of byak-angelicin and oxypeucedanin hydrate in rat plasma by column-switching high-performance liquid chromatography with ultraviolet detection 753(2001)309

# Cations

Application of microcolumn ion chromatography using anion exchangers modified with dextran sulfate for the determination of alkali and alkaline-earth metal ions 753(2001)409

## Celecoxib

Liquid chromatographic-mass spectrometric determination of celecoxib in plasma using single-ion monitoring and its use in clinical pharmacokinetics 753(2001)401

# **Characterization studies**

Purification and characterization of murine beta-nerve growth factor 753(2001)245

# α-Chymotrypsin

Reversed-phase high-performance liquid chromatography of peptides of porcine pepsin prepared by the use of various forms of immobilized  $\alpha$ -chymotrypsin 753(2001)37

#### Citalopram

On-line extraction using an alkyl-diol silica precolumn for racemic citalopram and its metabolites in plasma. Results compared with solid-phase extraction methodology 753(2001)365

#### **Column switching**

On-line extraction using an alkyl-diol silica precolumn for racemic citalopram and its metabolites in plasma. Results compared with solid-phase extraction methodology 753(2001)365

#### Corticosteroids

Accelerated solvent extraction and liquid chromatographytandem mass spectrometry quantitation of corticosteroid residues in bovine liver 753(2001)217

# **β-Cyclodextrin**

High-performance liquid chromatographic study of the interactions between immobilized  $\beta$ -cyclodextrin polymers and hydrophobically end-capped polyethylene glycols 753(2001)93

# Cytochrome P450

High-throughput cytochrome P450 (CYP) inhibition screening via cassette probe-dosing strategy. II. Validation of a direct injection/on-line guard cartridge extraction-tandem mass spectrometry method for CYP2D6 inhibition assessment 753(2001)321

# Deacetylvinorelbine

Sensitive determination of vinorelbine and its metabolites in human serum using liquid chromatography-electrospray mass spectrometry 753(2001)167

# Dextran sulfate

Application of microcolumn ion chromatography using anion exchangers modified with dextran sulfate for the determination of alkali and alkaline-earth metal ions 753(2001)409

#### Dextran sulfate sodium

Application of 2-aminopyridine fluorescence labeling in the analysis of in vivo and in vitro metabolism of dextran sulfate sodium by size-exclusion high-performance liquid chromatography 753(2001)209

## Dimesna

Quantification of BNP7787 (dimesna) and its metabolite mesna in human plasma and urine by high-performance liquid chromatography with electrochemical detection 753(2001)293

#### **Dodecathymidine prodrug**

Kinetics study of the biotransformation of an oligonucleotide prodrug in cells extract by matrix-assisted laser desorption– ionization time-of-flight mass spectrometry 753(2001)123

# Dopamine

Oxalic acid stabilizes dopamine, serotonin, and their metabolites in automated liquid chromatography with electrochemical detection 753(2001)413

## Endotoxins

Method for reducing endotoxin in *Moraxella catarrhalis* UspA2 protein preparations 753(2001)269

# Enzymes

Efficient two-step chromatographic purification of penicillin acylase from clarified *Escherichia coli* ultrasonic homogenate 753(2001)45

## Erythromycin

Identification and quantification of five macrolide antibiotics in several tissues, eggs and milk by liquid chromatography– electrospray tandem mass spectrometry 753(2001)189

# Ethionamide

High-performance liquid chromatographic-tandem mass spectrometric method for the determination of ethionamide in human plasma, bronchoalveolar lavage fluid and alveolar cells 753(2001)343

## Formaldehyde

Determination of formaldehyde in blood plasma by highperformance liquid chromatography with fluorescence detection 753(2001)253

#### Gentamicin

Quantification of gentamicin in Mueller–Hinton agar by highperformance liquid chromatography 753(2001)151

## Glycoprotein

One-step chromatographic purification procedure of a His-tag recombinant carboxyl half part of the HTLV-I surface envelope glycoprotein overexpressed in *Escherichia coli* as a secreted form 753(2001)17

## Hepatitis B virus core protein

Purification of recombinant HBc antigen expressed in *Escherichia coli* and *Pichia pastoris*: comparison of size-exclusion chromatography and ultracentrifugation 753(2001)51

# His-tag recombinant carboxyl

One-step chromatographic purification procedure of a His-tag recombinant carboxyl half part of the HTLV-I surface envelope glycoprotein overexpressed in *Escherichia coli* as a secreted form 753(2001)17

# HIV-1

From receptor recognition mechanisms to bioinspired mimetic antagonists in HIV-1/cell docking 753(2001)327

#### HPLC

Simultaneous high-performance liquid chromatographic determination of urinary mandelic and phenylglyoxylic acids as indirect evaluation of styrene exposure 753(2001)385

# Human serum albumin

Structural changes of human serum albumin immobilized on chromatographic supports: a high-performance liquid chromatography and Fourier-transform infrared spectroscopy study 753(2001)101

#### Josamycin

Identification and quantification of five macrolide antibiotics in several tissues, eggs and milk by liquid chromatography– electrospray tandem mass spectrometry 753(2001)189

#### Ketoconazole

Liquid chromatographic determination of ketoconazole, a potent inhibitor of CYP3A4-mediated metabolism 753(2001)395

#### LC-MS

Sensitive determination of vinorelbine and its metabolites in human serum using liquid chromatography-electrospray mass spectrometry 753(2001)167

## Lysophosphatidic acids

Determination of lysophosphatidic acids by capillary electrophoresis with indirect ultraviolet detection 753(2001)355

# Mandelic acid

Simultaneous high-performance liquid chromatographic determination of urinary mandelic and phenylglyoxylic acids as indirect evaluation of styrene exposure 753(2001)385

# Mensa

Quantification of BNP7787 (dimesna) and its metabolite mesna in human plasma and urine by high-performance liquid chromatography with electrochemical detection 753(2001)293

#### Monomers

Polymer versus monomer as displacer in immobilized metal affinity chromatography 753(2001)279

## Ms/ms

Identification of quercetin glucuronides in human plasma by high-performance liquid chromatography-tandem mass spectrometry 753(2001)237

# Mycophenolic acid

Rapid and simultaneous determination of mycophenolic acid and its glucuronide conjugate in human plasma by ion-pair reversedphase high-performance liquid chromatography using isocratic elution 753(2001)315

# Mycophenolic acid glucuronide

Rapid and simultaneous determination of mycophenolic acid and its glucuronide conjugate in human plasma by ion-pair reversedphase high-performance liquid chromatography using isocratic elution 753(2001)315

## β-NGF

Purification and characterization of murine beta-nerve growth factor 753(2001)245

## Nicotine

Measurement of nicotine in hair by reversed-phase highperformance liquid chromatography with electrochemical detection 753(2001)179

# Obidoxime

Internal standard high-performance liquid chromatography method for the determination of obidoxime in urine of organophosphate-poisoned patients 753(2001)203

#### Oligonucleotides

Kinetics study of the biotransformation of an oligonucleotide prodrug in cells extract by matrix-assisted laser desorption– ionization time-of-flight mass spectrometry 753(2001)123

# **On-line extraction**

On-line extraction using an alkyl-diol silica precolumn for racemic citalopram and its metabolites in plasma. Results compared with solid-phase extraction methodology 753(2001)365

# Opipramol

Determination of opipramol in human plasma by highperformance liquid chromatography with photometric detection using a cyanopropyl column 753(2001)337

# **Optical biosensor**

From receptor recognition mechanisms to bioinspired mimetic antagonists in HIV-1/cell docking 753(2001)327

## Organophosphate

Internal standard high-performance liquid chromatography method for the determination of obidoxime in urine of organophosphate-poisoned patients 753(2001)203

# Oxalic acid

Oxalic acid stabilizes dopamine, serotonin, and their metabolites in automated liquid chromatography with electrochemical detection 753(2001)413

# Oxypeucedanin hydrate

Simultaneous determination of byak-angelicin and oxypeucedanin hydrate in rat plasma by column-switching high-performance liquid chromatography with ultraviolet detection 753(2001)309

#### Pectin methyl-esterases

Chromatographic study of highly methoxylated lime pectins deesterified by different pectin methyl-esterases 753(2001)157

## Pectins

Chromatographic study of highly methoxylated lime pectins deesterified by different pectin methyl-esterases 753(2001)157

# Penicillin acylase

Efficient two-step chromatographic purification of penicillin acylase from clarified *Escherichia coli* ultrasonic homogenate 753(2001)45

# Pepsin

Reversed-phase high-performance liquid chromatography of peptides of porcine pepsin prepared by the use of various forms of immobilized  $\alpha$ -chymotrypsin 753(2001)37

## Peptides

Reversed-phase high-performance liquid chromatography of peptides of porcine pepsin prepared by the use of various forms of immobilized  $\alpha$ -chymotrypsin 753(2001)37

# Phage display

From receptor recognition mechanisms to bioinspired mimetic antagonists in HIV-1/cell docking 753(2001)327

## Phenol

Binding of substituted phenol and aniline derivatives to the corn protein zein studied by high-performance liquid chromatography 753(2001)79

#### Phenoxyacetic acid

Effect of molecular parameters on the binding of phenoxyacetic acid derivatives to albumins 753(2001)87

# Phenylglyoxylic acid

Simultaneous high-performance liquid chromatographic determination of urinary mandelic and phenylglyoxylic acids as indirect evaluation of styrene exposure 753(2001)385

Compound Index Vol. 753

# Phosphate ions

Specific adsorption of phosphate ions on proteins evidenced by capillary electrophoresis and reversed-phase high-performance liquid chromatography 753(2001)67

# Polyethylene glycol

High-performance liquid chromatographic study of the interactions between immobilized  $\beta$ -cyclodextrin polymers and hydrophobically end-capped polyethylene glycols 753(2001)93

# Poly(ethylene oxide)

Fractionation of functional polystyrenes, poly(ethylene oxide)s and poly(styrene)-b-poly(ethylene oxide) by liquid chromatography at the exclusion-adsorption transition point 753(2001)139

#### Polymers

Polymer versus monomer as displacer in immobilized metal affinity chromatography 753(2001)279

# Polypeptides

Ultrafiltration to fractionate wheat polypeptides 753(2001)29

# Polystyrenes

Fractionation of functional polystyrenes, poly(ethylene oxide)s and poly(styrene)–b–poly(ethylene oxide) by liquid chromatography at the exclusion–adsorption transition point 753(2001)139

## Preeclampsia

Plasma L-arginine is markedly reduced in pregnant women affected by preeclampsia 753(2001)427

## Proteins

Role of electrophoretic mobility of protein on its retention by an ultrafiltration membrane. Comparison to chromatography mechanisms 753(2001)3

Specific adsorption of phosphate ions on proteins evidenced by capillary electrophoresis and reversed-phase high-performance liquid chromatography 753(2001)67

# Pullulan

Aggregation of amphiphilic pullulan derivatives evidenced by on-line flow field flow fractionation/multi-angle laser light scattering 753(2001)115

## Quercetin

Identification of quercetin glucuronides in human plasma by high-performance liquid chromatography-tandem mass spectrometry 753(2001)237

# Quercetin glucuronide

Identification of quercetin glucuronides in human plasma by high-performance liquid chromatography-tandem mass spectrometry 753(2001)237

## **Restricted access material**

On-line extraction using an alkyl-diol silica precolumn for racemic citalopram and its metabolites in plasma. Results compared with solid-phase extraction methodology 753(2001)365

## Separation techniques

Purification and characterization of murine beta-nerve growth factor 753(2001)245

# Serotonin

Oxalic acid stabilizes dopamine, serotonin, and their metabolites in automated liquid chromatography with electrochemical detection 753(2001)413

## Sotalol

Small blood volumes from children for quantitative sotalol determination using high-performance liquid chromatography 753(2001)421

# Spiramycin

Identification and quantification of five macrolide antibiotics in several tissues, eggs and milk by liquid chromatography– electrospray tandem mass spectrometry 753(2001)189

# SRM

Identification of quercetin glucuronides in human plasma by high-performance liquid chromatography-tandem mass spectrometry 753(2001)237

## Styrene

Simultaneous high-performance liquid chromatographic determination of urinary mandelic and phenylglyoxylic acids as indirect evaluation of styrene exposure 753(2001)385

# ThioGlo maleimide

Determination of biological thiols by high-performance liquid chromatography following derivatization by ThioGlo maleimide reagents 753(2001)287

# Thiols

Determination of biological thiols by high-performance liquid chromatography following derivatization by ThioGlo maleimide reagents 753(2001)287

#### Tilmicosin

Identification and quantification of five macrolide antibiotics in several tissues, eggs and milk by liquid chromatography– electrospray tandem mass spectrometry 753(2001)189

#### Tylosin

Identification and quantification of five macrolide antibiotics in several tissues, eggs and milk by liquid chromatography– electrospray tandem mass spectrometry 753(2001)189

# Urine

Simultaneous high-performance liquid chromatographic determination of urinary mandelic and phenylglyoxylic acids as indirect evaluation of styrene exposure 753(2001)385

## 440

# **UspA2** protein preparations

Method for reducing endotoxin in *Moraxella catarrhalis* UspA2 protein preparations 753(2001)269

# Vinorelbine

Sensitive determination of vinorelbine and its metabolites in human serum using liquid chromatography-electrospray mass spectrometry 753(2001)167

# Vinorelbine N-oxide

Sensitive determination of vinorelbine and its metabolites in human serum using liquid chromatography-electrospray mass spectrometry 753(2001)167

# Volatile compounds

Headspace solid-phase microextraction profiling of volatile compounds in urine: application to metabolic investigations 753(2001)259

# Warfarin

Study of the retention properties of warfarin enantiomers on a  $\beta$ -cyclodextrin polymeric support 753(2001)131

# Zein

Binding of substituted phenol and aniline derivatives to the corn protein zein studied by high-performance liquid chromatography 753(2001)79