

## Available online at www.sciencedirect.com



JOURNAL OF CHROMATOGRAPHY B

Journal of Chromatography B, 809 (2004) 361-364

www.elsevier.com/locate/chromb

# Keyword Index Vol. 809

#### α<sub>1</sub>-Acid glycoprotein

Lectin affinity capillary electrophoresis in glycoform analysis applying the partial filling technique 809(2004)323

# N-Acylglycines

Use of reversed phase HP liquid chromatography to assay conversion of N-acylglycines to primary fatty acid amides by peptidylglycine- $\alpha$ -amidating monooxygenase 809(2004)15

#### Alkylresorcinol

Identification of cereal alkylresorcinol metabolites in human urine—potential biomarkers of wholegrain wheat and rye intake 809(2004)125

#### Anisodamine

Study of stereoselective pharmacokinetics of anisodamine enantiomers in rabbits by capillary electrophoresis 809(2004)265

## Antidepressant

New method for the chiral evaluation of mirtazapine in human plasma by liquid chromatography 809(2004)351

## Aqueous two-phase systems

Influence of high concentration monovalent cations on the protein partitioning in polyethyleneglycol 1500-phosphate aqueous two-phase systems 809(2004)301

## BAY 43-9006

Validation of a liquid chromatography assay for the quantification of the Raf kinase inhibitor BAY 43-9006 in small volumes of mouse serum 809(2004)99

## Benzene

Analytical method for evaluation of exposure to benzene, toluene, xylene in blood by gas chromatography preceded by solid phase microextraction 809(2004)183

## Biocatalysis

Rapid, automated screening method for enzymatic transformations using a robotic system and supercritical fluid chromatography 809(2004)231

#### Biomarkers

Identification of cereal alkylresorcinol metabolites in human urine—potential biomarkers of wholegrain wheat and rye intake 809(2004)125

# Botulinum neurotoxin type B

Colloidal gold-based immunochromatographic assay for detection of botulinum neurotoxin type B 809(2004)37

# **Butyl** acetate

Rapid determination of tamsulosin in human plasma by high-performance liquid chromatography using extraction with butyl acetate 809(2004)307

#### Caco-2 cells

Determination of the investigational anti-cancer drug 5,6-dimethyl-xanthenone-4-acetic acid and its acyl glucuronide in Caco-2 monolayers by liquid chromatography with fluorescence detection: application to transport studies 809(2004)87

#### Calpain inhibitor

Epimerization study of the L,L- and L,D-diastereoisomers of the calpain inhibitor MDL 28170 by capillary electrophoresis 809(2004)31

#### Capecitabine

Simple determination of capecitabine and its metabolites by liquid chromatography with ultraviolet detection in a single injection 809(2004)51

#### Cations

Influence of high concentration monovalent cations on the protein partitioning in polyethyleneglycol 1500-phosphate aqueous two-phase systems 809(2004)301

## Cefaclor

The use of a monolithic column to improve the simultaneous determination of four cephalosporin antibiotics in pharmaceuticals and body fluids by HPLC after solid phase extraction—a comparison with a conventional reversed-phase silica-based column 809(2004)175

#### Cefotaxime

The use of a monolithic column to improve the simultaneous determination of four cephalosporin antibiotics in pharmaceuticals and body fluids by HPLC after solid phase extraction—a comparison with a conventional reversed-phase silica-based column 809(2004)175

## Cephadroxil

The use of a monolithic column to improve the simultaneous determination of four cephalosporin antibiotics in pharmaceuticals and body fluids by HPLC after solid phase extraction—a comparison with a conventional reversed-phase silica-based column 809(2004)175

## Cephalexine

The use of a monolithic column to improve the simultaneous determination of four cephalosporin antibiotics in pharmaceuticals and body fluids by HPLC after solid phase extraction—a comparison with a conventional reversed-phase silica-based column 809(2004)175

# Cephalosporins

The use of a monolithic column to improve the simultaneous determination of four cephalosporin antibiotics in pharmaceuticals and body fluids by HPLC after solid phase extraction—a comparison with a conventional reversed-phase silica-based column 809(2004)175

## Chiral stationary phase

New method for the chiral evaluation of mirtazapine in human plasma by liquid chromatography 809(2004)351

#### Clozapine

Field-amplified sample stacking in capillary electrophoresis for the determination of clozapine, clozapine N-oxide, and desmethylclozapine in schizophrenics' plasma 809(2004)111

#### Clozapine N-oxide

Field-amplified sample stacking in capillary electrophoresis for the determination of clozapine, clozapine N-oxide, and desmethylclozapine in schizophrenics' plasma 809(2004)111

## Collagen

Assay of collagenase activity for native triple-helical collagen using capillary gel electrophoresis with laser-induced fluorescence detection 809(2004)251

## Collagenase

Assay of collagenase activity for native triple-helical collagen using capillary gel electrophoresis with laser-induced fluorescence detection 809(2004)251

#### Colloidal gold

Colloidal gold-based immunochromatographic assay for detection of botulinum neurotoxin type B 809(2004)37

## **Compound Danshen Dripping Pill**

Study of the determination and pharmacokinetics of Compound Danshen Dripping Pills in human serum by column switching liquid chromatography electrospray ion trap mass spectrometry 809(2004)237

### Cyano column

Evaluation of a cyano stationary phase for the determination of tacrolimus, sirolimus and cyclosporin A in whole blood by high-performance liquid chromatography-tandem mass spectrometry 809(2004)287

# Cyclic depsipeptide

Determination of the cyclic depsipeptide FK228, a histone deacetylase inhibitor, by liquid chromatography-mass spectrometry 809(2004)81

# Desmethylclozapine

Field-amplified sample stacking in capillary electrophoresis for the determination of clozapine, clozapine N-oxide, and desmethylclozapine in schizophrenics' plasma 809(2004)111

## Dihydro-5-fluorouracil

Simple determination of capecitabine and its metabolites by liquid chromatography with ultraviolet detection in a single injection 809(2004)51

# $N^{\rm G}, N^{\rm G}$ -Dimethyl-L-arginine

Determination of  $N^G$ ,  $N^G$ -dimethyl-L-arginine, an endogenous NO synthase inhibitor, by gas chromatography—mass spectrometry 809(2004)59

## 5,6-Dimethylxanthenone-4-acetic acid

Determination of the investigational anti-cancer drug 5,6-dimethyl-xanthenone-4-acetic acid and its acyl glucuronide in Caco-2 monolayers by liquid chromatography with fluorescence detection: application to transport studies 809(2004)87

# Discovery stage pharmacokinetic analysis

Discovery stage pharmacokinetics using dried blood spots 809(2004)153

# **Dried blood spots**

Discovery stage pharmacokinetics using dried blood spots 809(2004)153

# Drug-protein binding

Measurements of drug–protein binding by using immobilized human serum albumin liquid chromatography–mass spectrometry  $\,\,$  809(2004)67  $\,\,$ 

#### Dutasteride

Selective and rapid liquid chromatography-tandem mass spectrometry assay of dutasteride in human plasma 809(2004)117

#### **EDDP**

Stereoselective determination of methadone and the primary metabolite EDDP in human plasma by automated on-line extraction and liquid chromatography mass spectrometry 809(2004)313

#### **Enantiomer separation**

Development and validation of a chiral liquid chromatographic method, based on Chiralpak  $^{\tiny{(1)}}$  to quantify enantiomers of ( $\pm$ )-DRF 2725 in rat plasma: lack of inversion of ragaglitazar (S(-)-DRF 2725) to its antipode in plasma 809(2004)23

Study of stereoselective pharmacokinetics of anisodamine enantiomers in rabbits by capillary electrophoresis 809(2004)265

New method for the chiral evaluation of mirtazapine in human plasma by liquid chromatography 809(2004)351

## **Enzyme screening**

Rapid, automated screening method for enzymatic transformations using a robotic system and supercritical fluid chromatography 809(2004)231

## **Epimerization**

Epimerization study of the L,L- and L,D-diastereoisomers of the calpain inhibitor MDL 28170 by capillary electrophoresis 809(2004)31

#### **Exhaled breath condensate**

Determination of hydrogen peroxide in exhaled breath condensate by flow injection analysis with fluorescence detection 809(2004)199

# Fatty acid amides

Use of reversed phase HP liquid chromatography to assay conversion of N-acylglycines to primary fatty acid amides by peptidylglycine- $\alpha$ -amidating monooxygenase 809(2004)15

## Fatty acids

 $Comparison \ of \ conventional \ and \ fast \ gas \ chromatography \ in \ human \ plasma \ fatty \ acid \ determination \ 809(2004)339$ 

## Field-amplified sample stacking

Field-amplified sample stacking in capillary electrophoresis for the determination of clozapine, clozapine N-oxide, and desmethylclozapine in schizophrenics' plasma 809(2004)111

#### FK228

Determination of the cyclic depsipeptide FK228, a histone deacetylase inhibitor, by liquid chromatography-mass spectrometry 809(2004)81

## Fluorescamine

An HPLC method for the determination of lisinopril in human plasma and urine with fluorescence detection 809(2004)159

# 5-Fluorouracil

Simple determination of capecitabine and its metabolites by liquid chromatography with ultraviolet detection in a single injection 809(2004)51

#### Gentisic acid

Simultaneous determination of gentisic, salicyluric and salicylic acid in human plasma using solid-phase extraction, liquid chromatography and electrospray ionization mass spectrometry 809(2004)257

## Glutathione S-transferase isozymes

Direct liquid chromatography—mass spectrometry method for the detection of glutathione *S*-transferase isozymes and investigation of their expression in response to dietary flavone 809(2004)331

#### Human serum albumin

Measurements of drug-protein binding by using immobilized human serum albumin liquid chromatography-mass spectrometry 809(2004)67

Studies of phenytoin binding to human serum albumin by high-performance affinity chromatography 809(2004)137

#### Hydrogen peroxide

Determination of hydrogen peroxide in exhaled breath condensate by flow injection analysis with fluorescence detection 809(2004)199

#### Hydrolases

Rapid, automated screening method for enzymatic transformations using a robotic system and supercritical fluid chromatography 809(2004)231

## Immobilised metal affinity chromatography

Investigation of the use of immobilised metal affinity chromatography for the on-line sample clean up and pre-concentration of nucleotides prior to their determination by ion pair liquid chromatography-electrospray mass spectrometry: a pilot study 809(2004)189

#### **Immunochromatography**

Colloidal gold-based immunochromatographic assay for detection of botulinum neurotoxin type B 809(2004)37

# Immunosuppressants

Evaluation of a cyano stationary phase for the determination of tacrolimus, sirolimus and cyclosporin A in whole blood by high-performance liquid chromatography-tandem mass spectrometry 809(2004)287

# Iodobenzoic acids

Application of inductively coupled plasma mass spectrometry and high-performance liquid chromatography—with parallel electrospray mass spectrometry to the investigation of the disposition and metabolic fate of 2-, 3- and 4-iodobenzoic acids in the rat 809(2004)279

# Levosulpiride

Hydrophilic interaction liquid chromatography-tandem mass spectrometry for the determination of levosulpiride in human plasma 809(2004)345

# Lisinopril

An HPLC method for the determination of lisinopril in human plasma and urine with fluorescence detection 809(2004)159

Lisinopril quantification in human plasma by liquid chromatography– electrospray tandem mass spectrometry 809(2004)211

#### Loratadine

Rapid determination of loratadine in small volume plasma samples by highperformance liquid chromatography with fluorescence detection 809(2004)227

#### Matrix effects

Determination of SCH 211803 by nanoelectrospray infusion mass spectrometry: evaluation of matrix effect and comparison with liquid chromatography-tandem mass spectrometry 809(2004)205

#### MDL 28170

Epimerization study of the L,L- and L,D-diastereoisomers of the calpain inhibitor MDL 28170 by capillary electrophoresis 809(2004)31

#### Methadone

Stereoselective determination of methadone and the primary metabolite EDDP in human plasma by automated on-line extraction and liquid chromatography mass spectrometry 809(2004)313

## Metoprolol

Determination of metoprolol, and its four metabolites in dog plasma 809(2004)9

#### Mirtazapine

New method for the chiral evaluation of mirtazapine in human plasma by liquid chromatography 809(2004)351

#### Monolithic columns

The use of a monolithic column to improve the simultaneous determination of four cephalosporin antibiotics in pharmaceuticals and body fluids by HPLC after solid phase extraction—a comparison with a conventional reversed-phase silica-based column 809(2004)175

#### Nanoelectrospray infusion

Determination of SCH 211803 by nanoelectrospray infusion mass spectrometry: evaluation of matrix effect and comparison with liquid chromatography–tandem mass spectrometry 809(2004)205

#### Negative ions

Evaluation of a cyano stationary phase for the determination of tacrolimus, sirolimus and cyclosporin A in whole blood by high-performance liquid chromatography-tandem mass spectrometry 809(2004)287

#### Nelfinavir

Subnanogram on-line column-switching liquid chromatographic—tandem mass spectrometric quantification method for nelfinavir and methoxyphenol metabolite M1 in rat plasma 809(2004)1

## 3-Nitrotyrosine

Large-volume sample stacking-capillary electrophoresis used for the determination of 3-nitrotyrosine in rat urine 809(2004)147

# Nucleotides

Investigation of the use of immobilised metal affinity chromatography for the on-line sample clean up and pre-concentration of nucleotides prior to their determination by ion pair liquid chromatography-electrospray mass spectrometry: a pilot study 809(2004)189

#### On-line extraction

Stereoselective determination of methadone and the primary metabolite EDDP in human plasma by automated on-line extraction and liquid chromatography mass spectrometry 809(2004)313

# Orosomucoid

Lectin affinity capillary electrophoresis in glycoform analysis applying the partial filling technique 809(2004)323

## Partial filling technique

Lectin affinity capillary electrophoresis in glycoform analysis applying the partial filling technique 809(2004)323

# Partitioning

Influence of high concentration monovalent cations on the protein partitioning in polyethyleneglycol 1500-phosphate aqueous two-phase systems 809(2004)301

# Peptidylglycine-\alpha-amidating monooxygenase

Use of reversed phase HP liquid chromatography to assay conversion of N-acylglycines to primary fatty acid amides by peptidylglycine- $\alpha$ -amidating monoxygenase 809(2004)15

#### Phenprocoumon

Determination of phenprocoumon, warfarin and their monohydroxylated metabolites in human plasma and urine by liquid chromatography-mass spectrometry after solid-phase extraction 809(2004)217

#### Phenytoin

Studies of phenytoin binding to human serum albumin by high-performance affinity chromatography 809(2004)137

### Piperaquine

Automated solid-phase extraction method for the determination of piperaquine in capillary blood applied onto sampling paper by liquid chromatography 809(2004)43

#### Raf-1 kinase

Validation of a liquid chromatography assay for the quantification of the Raf kinase inhibitor BAY 43-9006 in small volumes of mouse serum 809(2004)99

#### Ragaglitazar

Development and validation of a chiral liquid chromatographic method, based on Chiralpak® to quantify enantiomers of  $(\pm)$ -DRF 2725 in rat plasma: lack of inversion of ragaglitazar (S(-)-DRF 2725) to its antipode in plasma 809(2004)23

#### RLP068

Determination of tetracationic zinc(II) phthalocyanine derivative RLP068 in rabbit serum by liquid chromatography–tandem mass spectrometry 809(2004)167

## Salicylic acid

Simultaneous determination of gentisic, salicyluric and salicylic acid in human plasma using solid-phase extraction, liquid chromatography and electrospray ionization mass spectrometry 809(2004)257

# Salicyluric acid

Simultaneous determination of gentisic, salicyluric and salicylic acid in human plasma using solid-phase extraction, liquid chromatography and electrospray ionization mass spectrometry 809(2004)257

## SCH 201781

Validation and application of an automated 96-well solid-phase extraction liquid chromatography-tandem mass spectrometry method for the quantitative determination of SCH 201781 in human plasma 809(2004)75

#### SCH 211803

Determination of SCH 211803 by nanoelectrospray infusion mass spectrometry: evaluation of matrix effect and comparison with liquid chromatography-tandem mass spectrometry 809(2004)205

#### Tadalafi

Quantitation of tadalafil in human plasma by liquid chromatographytandem mass spectrometry with electrospray ionization 809(2004)243

#### **Tamsulosin**

Rapid determination of tamsulosin in human plasma by high-performance liquid chromatography using extraction with butyl acetate 809(2004)307

## Tetrabisphenol A

Determination of tetrabromobisphenol A in human serum by liquid chromatography–electrospray ionization tandem mass spectrometry 809(2004)131

#### Thiocyl

Determination of thiocyl in biological samples by liquid chromatography with ThioGlo<sup>TM</sup>3 derivatization 809(2004)295

#### Tolueno

Analytical method for evaluation of exposure to benzene, toluene, xylene in blood by gas chromatography preceded by solid phase microextraction 809(2004)183

#### Vinclozolin

Liquid chromatography determination of the anti-androgen vinclozolin and its metabolites in rat serum 809(2004)105

#### Vincristine

Determination of vincristine in mouse plasma and brain tissues by liquid chromatography-electrospray mass spectrometry 809(2004)273

## Warfarin

Determination of phenprocoumon, warfarin and their monohydroxylated metabolites in human plasma and urine by liquid chromatography-mass spectrometry after solid-phase extraction 809(2004)217

# **Xylene**

Analytical method for evaluation of exposure to benzene, toluene, xylene in blood by gas chromatography preceded by solid phase microextraction 809(2004)183

## Zinc(II) phthalocyanine

Determination of tetracationic zinc(II) phthalocyanine derivative RLP068 in rabbit serum by liquid chromatography–tandem mass spectrometry 809(2004)167