

Compound Index Vol. 798

Acetaldehyde

Microdialysis for the determination of acetaldehyde and ethanol concentrations in the striatum of freely moving rats 798(2003)155

α_1 -Acid glycoprotein

Glycosylation study of the major genetic variants of human α_1 -acid glycoprotein and of their pharmacokinetics in the rat 798(2003)283

Albumin

Study of the serum albumin-polyethyleneglycol interaction to predict the protein partitioning in aqueous two-phase systems 798(2003)25

Allopurinol

Development of a capillary electrophoresis method for the determination of allopurinol and its active metabolite oxypurinol 798(2003)303

Amphetamine

Development and validation of a gas chromatography-mass spectrometry assay for hair analysis of amphetamine, methamphetamine and methylenedioxy derivatives 798(2003)249

Anabolic steroids

Optimization of the separation of a complex mixture of natural and synthetic anabolic steroids by micellar liquid chromatography 798(2003)69

Arginine

Simultaneous detection of arginine, asymmetric dimethylarginine, symmetric dimethylarginine and citrulline in human plasma and urine applying liquid chromatography-mass spectrometry with very straightforward sample preparation 798(2003)231

Asymmetric dimethylarginine

Quantitative determination of circulating and urinary asymmetric dimethylarginine (ADMA) in humans by gas chromatography-tandem mass spectrometry as methyl ester tri(*N*-pentafluoropropionyl) derivative 798(2003)87

Simultaneous detection of arginine, asymmetric dimethylarginine, symmetric dimethylarginine and citrulline in human plasma and urine applying liquid chromatography-mass spectrometry with very straightforward sample preparation 798(2003)231

Benzimidazole anthelmintics

Quantitative chromatographic determination of several benzimidazole anthelmintic molecules in parasite material 798(2003)117

Benzoyllecgonine

Determination of cocaine, benzoyllecgonine and cocaethylene in human hair by solid-phase microextraction and gas chromatography-mass spectrometry 798(2003)361

Bisphenol A

Size-exclusion flow extraction of bisphenol A in human urine for liquid chromatography-mass spectrometry 798(2003)17

Carvedilol

Measurement of carvedilol in plasma by high-performance liquid chromatography with electrochemical detection 798(2003)187

Catecholamines

Application of ultrafiltration method to measurement of catecholamines in plasma of human and rodents by high-performance liquid chromatography 798(2003)35

Ceterizine hydrochloride

Liquid chromatographic determination of ceterizine hydrochloride and paracetamol in human plasma and pharmaceutical formulations 798(2003)49

Citrulline

Simultaneous detection of arginine, asymmetric dimethylarginine, symmetric dimethylarginine and citrulline in human plasma and urine applying liquid chromatography-mass spectrometry with very straightforward sample preparation 798(2003)231

Cocaethylene

Determination of cocaine, benzoyllecgonine and cocaethylene in human hair by solid-phase microextraction and gas chromatography-mass spectrometry 798(2003)361

Cocaine

Determination of cocaine, benzoyllecgonine and cocaethylene in human hair by solid-phase microextraction and gas chromatography-mass spectrometry 798(2003)361

Cortisol

Simple liquid chromatography method for the rapid simultaneous determination of prednisolone and cortisol in plasma and urine using hydrophilic lipophilic balanced solid phase extraction cartridges 798(2003)193

Derivatization, GC

Quantitative determination of circulating and urinary asymmetric dimethylarginine (ADMA) in humans by gas chromatography-tandem mass spectrometry as methyl ester tri(*N*-pentafluoropropionyl) derivative 798(2003)87

2,5-Dimethoxy-4-ethylthiophenethylamine

Identification of 2,5-dimethoxy-4-ethylthiophenethylamine and its metabolites in the urine of rats by gas chromatography-mass spectrometry 798(2003)241

Dropropizine

Toxicological detection of the new designer drug 1-(4-methoxyphenyl)-piperazine and its metabolites in urine and differentiation from an intake of structurally related medicaments using gas chromatography–mass spectrometry 798(2003)333

Enterolactone

Liquid chromatography method for plant and mammalian lignans in human urine 798(2003)101

Enzymes

Determination of thiopurine *S*-methyltransferase activity in erythrocytes using 6-thioguanine as substrate and a non-extraction liquid chromatographic technique 798(2003)111

Determination of lactate dehydrogenase in human erythrocytes by capillary electrophoresis with electrochemical detection 798(2003)175

Ethanol

Microdialysis for the determination of acetaldehyde and ethanol concentrations in the striatum of freely moving rats 798(2003)155

Highly sensitive gas chromatographic determination of ethanol in human urine samples 798(2003)179

1-Fluoro-2,4-dinitrobenzene

Determination of vertilmicin in rat serum by high-performance liquid chromatography using 1-fluoro-2,4-dinitrobenzene derivatization 798(2003)43

Fluoroquinolones

Determination of fluoroquinolones in human urine by liquid chromatography coupled to pneumatically assisted electrospray ionization mass spectrometry 798(2003)137

Gatifloxacin

Determination of gatifloxacin in human serum and urine by high-performance liquid chromatography with ultraviolet detection 798(2003)167

Glutathione

Fast liquid chromatography–mass spectrometry glutathione measurement in whole blood: micromolar GSSG is a sample preparation artifact 798(2003)343

Hydroxyitraconazole

Liquid chromatographic method for the determination of plasma itraconazole and its hydroxy metabolite in pharmacokinetic/bioavailability studies 798(2003)355

Hydroxypropyl-cyclodextrin

Chromatographic determination of the association constant between 8-methoxypsoralen and modified β -cyclodextrin: protective effect of hydroxypropyl- β -cyclodextrin on 8-methoxypsoralen toxicity in human keratinocytes 798(2003)217

11-Hydroxy- Δ^9 -tetrahydrocannabinol

Validated method for the simultaneous determination of Δ^9 -tetrahydrocannabinol (THC), 11-hydroxy-THC and 11-nor-9-carboxy-THC in human plasma using solid phase extraction and gas chromatography–mass spectrometry with positive chemical ionization 798(2003)145

2-Hydroxy-4-trifluoromethylbenzoic acid

Simultaneous determination of triflusal and its major active metabolite, 2-hydroxy-4-trifluoromethylbenzoic acid, in rat and human plasma by high-performance liquid chromatography 798(2003)257

Itraconazole

Liquid chromatographic method for the determination of plasma itraconazole and its hydroxy metabolite in pharmacokinetic/bioavailability studies 798(2003)355

Kavain

Testing for kavain in human hair using gas chromatography–tandem mass spectrometry 798(2003)351

Lactate dehydrogenase

Determination of lactate dehydrogenase in human erythrocytes by capillary electrophoresis with electrochemical detection 798(2003)175

Lamivudine

Liquid chromatographic–mass spectrometric determination of the metabolism and disposition of the anti-retroviral nucleoside analogs zidovudine and lamivudine in C57BL/6N and B6C3F1 mice 798(2003)55

Lignans

Liquid chromatography method for plant and mammalian lignans in human urine 798(2003)101

Metformin

Determination of metformin in plasma using a new ion pair solid phase extraction technique and ion pair liquid chromatography 798(2003)203

Methamphetamine

Development and validation of a gas chromatography-mass spectrometry assay for hair analysis of amphetamine, methamphetamine and methylenedioxy derivatives 798(2003)249

3-Methoxy-4-hydroxyphenylglycol

Detection of 3-methoxy-4-hydroxyphenylglycol in rabbit skeletal muscle microdialysate 798(2003)163

1-(4-Methoxyphenyl)piperazine

Toxicological detection of the new designer drug 1-(4-methoxyphenyl)-piperazine and its metabolites in urine and differentiation from an intake of structurally related medicaments using gas chromatography–mass spectrometry 798(2003)333

8-Methoxypsoralen

Chromatographic determination of the association constant between 8-methoxypsoralen and modified β -cyclodextrin: protective effect of hydroxypropyl- β -cyclodextrin on 8-methoxypsoralen toxicity in human keratinocytes 798(2003)217

Determination of 8-methoxypsoralen in human plasma, and microdialysates using liquid chromatography–tandem mass spectrometry 798(2003)223

Mirtazapine

Measurement of total mirtazapine and normirtazapine in plasma/serum by liquid chromatography with fluorescence detection 798(2003)211

11-Nor-9-carboxy- Δ^9 -tetrahydrocannabinol

Validated method for the simultaneous determination of Δ^9 -tetrahydrocannabinol (THC), 11-hydroxy-THC and 11-nor-9-carboxy-THC in human plasma using solid phase extraction and gas chromatography–mass spectrometry with positive chemical ionization 798(2003)145

Normirtazapine

Measurement of total mirtazapine and normirtazapine in plasma/serum by liquid chromatography with fluorescence detection 798(2003)211

Ochratoxin A

Two different clean-up procedures for liquid chromatographic determination of ochratoxin A in urine 798(2003)317

Omeprazole

Enantiomeric determination of the plasma levels of omeprazole by direct plasma injection using high-performance liquid chromatography with achiral–chiral column-switching 798(2003)275

Oxypertine

Toxicological detection of the new designer drug 1-(4-methoxyphenyl)-piperazine and its metabolites in urine and differentiation from an intake of structurally related medicaments using gas chromatography–mass spectrometry 798(2003)333

Oxypurinol

Development of a capillary electrophoresis method for the determination of allopurinol and its active metabolite oxypurinol 798(2003)303

Paclitaxel

Determination of paclitaxel in mouse plasma and brain tissue by liquid chromatography–mass spectrometry 798(2003)79

Paracetamol

Liquid chromatographic determination of ceterizine hydrochloride and paracetamol in human plasma and pharmaceutical formulations 798(2003)49

Phosphatidylcholine

Separation and purification of phosphatidylcholine and phosphatidylethanolamine from soybean degummed oil residues by using solvent extraction and column chromatography 798(2003)323

Phosphatidylethanolamine

Separation and purification of phosphatidylcholine and phosphatidylethanolamine from soybean degummed oil residues by using solvent extraction and column chromatography 798(2003)323

Phytanic acid

Measurement of plasma pristanic, phytanic and very long chain fatty acids by liquid chromatography–electrospray tandem mass spectrometry for the diagnosis of peroxisomal disorders 798(2003)159

Polyethylene glycol

Study of the serum albumin–polyethyleneglycol interaction to predict the protein partitioning in aqueous two-phase systems 798(2003)25

Prednisolone

Simple liquid chromatography method for the rapid simultaneous determination of prednisolone and cortisol in plasma and urine using hydrophilic lipophilic balanced solid phase extraction cartridges 798(2003)193

Pristanic acid

Measurement of plasma pristanic, phytanic and very long chain fatty acids by liquid chromatography–electrospray tandem mass spectrometry for the diagnosis of peroxisomal disorders 798(2003)159

Quetiapine

Fully automated on-line quantification of quetiapine in human serum by solid phase extraction and liquid chromatography 798(2003)9

Retinoid

Automated solid-phase extraction and liquid chromatographic method for retinoid determination in biological samples 798(2003)309

Steroids

Simple liquid chromatography method for the rapid simultaneous determination of prednisolone and cortisol in plasma and urine using hydrophilic lipophilic balanced solid phase extraction cartridges 798(2003)193

Symmetric dimethylarginine

Simultaneous detection of arginine, asymmetric dimethylarginine, symmetric dimethylarginine and citrulline in human plasma and urine applying liquid chromatography–mass spectrometry with very straightforward sample preparation 798(2003)231

 Δ^9 -Tetrahydrocannabinol

Validated method for the simultaneous determination of Δ^9 -tetrahydrocannabinol (THC), 11-hydroxy-THC and 11-nor-9-carboxy-THC in human plasma using solid phase extraction and gas chromatography–mass spectrometry with positive chemical ionization 798(2003)145

6-Thioguanine

Determination of thiopurine S-methyltransferase activity in erythrocytes using 6-thioguanine as substrate and a non-extraction liquid chromatographic technique 798(2003)111

Thiopurine S-methyltransferase

Determination of thiopurine S-methyltransferase activity in erythrocytes using 6-thioguanine as substrate and a non-extraction liquid chromatographic technique 798(2003)111

Transferrin

Characterization of human transferrin glycoforms by capillary electrophoresis and electrospray ionization mass spectrometry 798(2003)1

Trifusal

Simultaneous determination of triflusal and its major active metabolite, 2-hydroxy-4-trifluoromethyl benzoic acid, in rat and human plasma by high-performance liquid chromatography 798(2003)257

Ursodeoxycholic acid

High-performance liquid chromatographic mass spectrometric method for the determination of ursodeoxycholic acid and its glycine and taurine conjugates in human plasma 798(2003)295

Verapamil metabolites

Metabolism of verapamil: 24 new phase I and phase II metabolites identified in cell cultures of rat hepatocytes by liquid chromatography–tandem mass spectrometry 798(2003)265

Vertilmicin

Determination of vertilmicin in rat serum by high-performance liquid chromatography using 1-fluoro-2,4-dinitrobenzene derivatization 798(2003)43

Very long chain fatty acids

Measurement of plasma pristanic, phytanic and very long chain fatty acids by liquid chromatography–electrospray tandem mass spectrometry for the diagnosis of peroxisomal disorders 798(2003)159

Weak bases

Three-phase liquid-phase microextraction of weakly basic drugs from whole blood 798(2003)127

Zidovudine

Liquid chromatographic–mass spectrometric determination of the metabolism and disposition of the anti-retroviral nucleoside analogs zidovudine and lamivudine in C57BL/6N and B6C3F1 mice 798(2003)55

Zosuquidar trihydrochloride

Bioanalysis of zosuquidar trihydrochloride (LY335979) in small volumes of human and murine plasma by ion–pairing reversed-phase high-performance liquid chromatography 798(2003)63