

Compound Index Vol. 690

Acyclovir

Determination of acyclovir and its metabolite 9-carboxymethoxymethylguanine in serum and urine using solid-phase extraction and high-performance liquid chromatography 690(1997)363

β-Agonists

Comparison and evaluation of the specificity and binding capacity of commercial and in house affinity columns used in sample preparation for analysis of growth-promoting drugs 690(1997)161

17-Alkylsteroids

Biotransformation of 17-alkylsteroids in the equine: gas chromatographic-mass spectral identification of ten intermediate metabolites of methyltestosterone 690(1997)55

Amphetamine

Simultaneous gas chromatographic determination of methamphetamine, amphetamine and their *p*-hydroxylated metabolites in plasma and urine 690(1997)77

Anabolic steroids

Direct determination of anabolic steroid conjugates in human urine by combined high-performance liquid chromatography and tandem mass spectrometry 690(1997)65

Comparison and evaluation of the specificity and binding capacity of commercial and in house affinity columns used in sample preparation for analysis of growth-promoting drugs 690(1997)161

Anandamide

Liquid chromatographic-atmospheric pressure chemical ionization mass spectrometric determination of anandamide and its analogs in rat brain and peripheral tissues 690(1997)7

Arachidonylethanolamide

Liquid chromatographic-atmospheric pressure chemical ionization mass spectrometric determination of anandamide and its analogs in rat brain and peripheral tissues 690(1997)7

Artemether

Determination of artemether and its major metabolite, dihydroartemisinin, in plasma using high-performance liquid chromatography with electrochemical detection 690(1997)259

Ascorbic acid

Liquid chromatographic measurement of L-ascorbic acid and D-ascorbic acid in biological samples 690(1997)25

C1311

Analysis of the imidazoacridinone C1311 by high-performance liquid chromatography 690(1997)275

Caffeine

Gas chromatography-atomic emission detection for the measurement of isotopes. Application to bioequivalence studies 690(1997)115

Cannabinoid receptor agonist, endogenous

Liquid chromatographic-atmospheric pressure chemical ionization mass spectrometric determination of anandamide and its analogs in rat brain and peripheral tissues 690(1997)7

9-Carboxymethoxymethylguanine

Determination of acyclovir and its metabolite 9-carboxymethoxymethylguanine in serum and urine using solid-phase extraction and high-performance liquid chromatography 690(1997)363

Cefepime

High-performance liquid chromatographic assay for cefepime in serum 690(1997)181

Cephalosporins

Application of capillary zone electrophoresis in cephalosporin analysis 690(1997)321

Chlortetracycline

Use of metal chelate affinity chromatography and membrane-based ion-exchange as clean-up procedure for trace residue analysis of tetracyclines in animal tissues and egg 690(1997)173

Chlorthalidone

On-line solid-phase extraction and high-performance liquid chromatographic determination of chlorthalidone in urine 690(1997)195

Clozapine

Determination of clozapine and its major metabolites in human plasma and red blood cells by high-performance liquid chromatography with ultraviolet absorbance detection 690(1997)211

Automated on-line dialysis, trace enrichment and high-performance liquid chromatography. Inhibition of interaction with the dialysis membrane and disruption of protein binding in the determination of clozapine in human plasma 690(1997)223

Clozapine N-oxide

Determination of clozapine and its major metabolites in human plasma and red blood cells by high-performance liquid chromatography with ultraviolet absorbance detection 690(1997)211

Conalbumin

Metalloprotein analysis by capillary isoelectric focusing 690(1997)43

Creatinine

Determination of creatinine and other uremic toxins in human blood sera with micellar electrokinetic capillary electrophoresis 690(1997)35

Cyclosporins

Rapid, sensitive high-performance liquid chromatographic method for the determination of cyclosporin A and its metabolites M1, M17 and M21 690(1997)367

Dechloroethylifosfamide

Chromatographic analysis of the enantiomers of ifosfamide and some of its metabolites in plasma and urine 690(1997)131

De(N-methyl)-N-ethyl-8,9-anhydroerythromycin A 6,9-hemiacetal

Highly sensitive high-performance liquid chromatographic determination method for a new erythromycin derivative, EM523, and its major metabolites in human plasma and urine using post-column tris(2,2'-bipyridine) ruthenium(III) chemiluminescence detection 690(1997)305

Desethylglutethimide

Investigation of the stereoselective in vitro biotransformation of glutethimide by high-performance liquid chromatography and capillary electrophoresis 690(1997)233

N-Desmethylclozapine

Determination of clozapine and its major metabolites in human plasma and red blood cells by high-performance liquid chromatography with ultraviolet absorbance detection 690(1997)211

Automated on-line dialysis, trace enrichment and high-performance liquid chromatography. Inhibition of interaction with the dialysis membrane and disruption of protein binding in the determination of clozapine in human plasma 690(1997)223

Dihydroartemisinin

Determination of artemether and its major metabolite, dihydroartemisinin, in plasma using high-performance liquid chromatography with electrochemical detection 690(1997)259

1 α ,25-Dihydroxyvitamin D₃

Fluorimetric assay of 1 α ,25-dihydroxyvitamin D₃ in human plasma 690(1997)15

Dipalmitoyl phosphatidylcholine

Analysis of dipalmitoyl phosphatidylcholine in amniotic fluid by high-performance liquid chromatography 690(1997)338

Doxycycline

Use of metal chelate affinity chromatography and membrane-based ion-exchange as clean-up procedure for trace residue analysis of tetracyclines in animal tissues and egg 690(1997)173

5,8,11-Eicosatrienoic acid

Oxygenation of 5,8,11-eicosatrienoic acid by prostaglandin H synthase-2 of ovine placental cotyledons: isolation of 13-hydroxy-5,8,11-eicosatrienoic and 11-hydroxy-5,8,12-eicosatrienoic acids 690(1997)332

EM523

Highly sensitive high-performance liquid chromatographic determination method for a new erythromycin derivative, EM523, and its major metabolites in human plasma and urine using post-column tris(2,2'-bipyridine) ruthenium(III) chemiluminescence detection 690(1997)305

Enzymes

Assay of soluble guanylate cyclase activity by isocratic high-performance liquid chromatography 690(1997)343

Epitestosterone

Direct determination of anabolic steroid conjugates in human urine by combined high-performance liquid chromatography and tandem mass spectrometry 690(1997)65

Erythromycin derivative

Highly sensitive high-performance liquid chromatographic determination method for a new erythromycin derivative, EM523, and its major metabolites in human plasma and urine using post-column tris(2,2'-bipyridine) ruthenium(III) chemiluminescence detection 690(1997)305

Fatty acids

Methods to reduce background interferences in electron-capture gas chromatographic analysis of valproic acid and its unsaturated metabolites after derivatization with pentafluorobenzyl bromide 690(1997)139

Glutethimide

Investigation of the stereoselective in vitro biotransformation of glutethimide by high-performance liquid chromatography and capillary electrophoresis 690(1997)233

Growth-promoting drugs

Comparison and evaluation of the specificity and binding capacity of commercial and in house affinity columns used in sample preparation for analysis of growth-promoting drugs 690(1997)161

Guanylate cyclase

Assay of soluble guanylate cyclase activity by isocratic high-performance liquid chromatography 690(1997)343

p-Hydroxyamphetamine

Simultaneous gas chromatographic determination of methamphetamine, amphetamine and their *p*-hydroxylated metabolites in plasma and urine 690(1997)77

Hydroxyeicosatrienoic acid

Oxygenation of 5,8,11-eicosatrienoic acid by prostaglandin H synthase-2 of ovine placental cotyledons: isolation of 13-hydroxy-5,8,11-eicosatrienoic and 11-hydroxy-5,8,12-eicosatrienoic acids 690(1997)332

5-Hydroxyglutethimide

Investigation of the stereoselective in vitro biotransformation of glutethimide by high-performance liquid chromatography and capillary electrophoresis 690(1997)233

p-Hydroxymethamphetamine

Simultaneous gas chromatographic determination of methamphetamine, amphetamine and their *p*-hydroxylated metabolites in plasma and urine 690(1997)77

7-Hydroxymethotrexate

Determination of methotrexate and its main metabolite 7-hydroxymethotrexate in human urine by high-performance liquid chromatography with normal solid-phase extraction 690(1997)267

p-Hydroxyphenyllactate

Determination of *p*-hydroxyphenylpyruvate, *p*-hydroxyphenyllactate and tyrosine in normal human plasma by gas chromatography-mass spectrometry isotope-dilution assay 690(1997)1

***p*-Hydroxyphenylpyruvate**

Determination of *p*-hydroxyphenylpyruvate, *p*-hydroxyphenyllactate and tyrosine in normal human plasma by gas chromatography-mass spectrometry isotope-dilution assay 690(1997)1

25-Hydroxyvitamin D₂

Characterization of monoglucuronides of vitamin D₂ and 25-hydroxyvitamin D₂ in rat bile using high-performance liquid chromatography-atmospheric pressure chemical ionization mass spectrometry 690(1997)348

Ibuprofen

High-performance thin-layer chromatographic determination of ibuprofen in plasma 690(1997)315

Ifosfamide

Chromatographic analysis of the enantiomers of ifosfamide and some of its metabolites in plasma and urine 690(1997)131

Imidazoacridinone

Analysis of the imidazoacridinone C1311 by high-performance liquid chromatography 690(1997)275

Isotopes

Gas chromatography-atomic emission detection for the measurement of isotopes. Application to bioequivalence studies 690(1997)115

Ketoprofen

Quantification of ketoprofen enantiomers in human plasma based on solid-phase extraction and enantioselective column chromatography 690(1997)189

Lipids

Analysis of dipalmitoyl phosphatidylcholine in amniotic fluid by high-performance liquid chromatography 690(1997)338

Medium-chain fatty acids

Methods to reduce background interferences in electron-capture gas chromatographic analysis of valproic acid and its unsaturated metabolites after derivatization with pentafluorobenzyl bromide 690(1997)139

Melanotan II

Determination of melanotan II in rabbit urine using solid-phase extraction sample preparation followed by reversed-phase high-performance liquid chromatography 690(1997)99

Melarsoprol

Determination of melarsoprol in biological fluids by high-performance liquid chromatography and characterisation of two stereoisomers by nuclear magnetic resonance spectroscopy 690(1997)243

Mepivacaine

Stereoselective determination of mepivacaine in human serum using a brush-type chiral stationary phase and solid-phase extraction 690(1997)359

Metalloproteins

Metalloprotein analysis by capillary isoelectric focusing 690(1997)43

Metallothionein

Metalloprotein analysis by capillary isoelectric focusing 690(1997)43

Methamphetamine

Simultaneous gas chromatographic determination of methamphetamine, amphetamine and their *p*-hydroxylated metabolites in plasma and urine 690(1997)77

Methotrexate

Determination of methotrexate and its main metabolite 7-hydroxymethotrexate in human urine by high-performance liquid chromatography with normal solid-phase extraction 690(1997)267

Methyltestosterone

Biotransformation of 17-alkylsteroids in the equine: gas chromatographic-mass spectral identification of ten intermediate metabolites of methyltestosterone 690(1997)55

Monoglucuronides

Characterization of monoglucuronides of vitamin D₂ and 25-hydroxyvitamin D₂ in rat bile using high-performance liquid chromatography-atmospheric pressure chemical ionization mass spectrometry 690(1997)348

Nalbuphine

Modified method of nalbuphine determination in plasma: validation and application to pharmacokinetics of the rectal route 690(1997)89

Determination of nalbuphine in human plasma by high-performance liquid chromatography with electrochemical detection. Application to a pharmacokinetic study 690(1997)203

Oleoylethanolamide

Liquid chromatographic-atmospheric pressure chemical ionization mass spectrometric determination of anandamide and its analogs in rat brain and peripheral tissues 690(1997)7

Oxytetracycline

Use of metal chelate affinity chromatography and membrane-based ion-exchange as clean-up procedure for trace residue analysis of tetracyclines in animal tissues and egg 690(1997)173

Palmitoylethanolamide

Liquid chromatographic-atmospheric pressure chemical ionization mass spectrometric determination of anandamide and its analogs in rat brain and peripheral tissues 690(1997)7

Pentafluorobenzyl bromide

Methods to reduce background interferences in electron-capture gas chromatographic analysis of valproic acid and its unsaturated metabolites after derivatization with pentafluorobenzyl bromide 690(1997)139

Permethrin

Capillary gas chromatographic determination of permethrin insecticide by transesterification 690(1997)123

Podophyllotoxin derivative

Determination of a new podophyllotoxin derivative, TOP-53, and its metabolite in rat plasma and urine by high-performance liquid chromatography with electrochemical detection 690(1997)283

Prostaglandin H synthase

Oxygenation of 5,8,11-eicosatrienoic acid by prostaglandin H synthase-2 of ovine placental cotyledons: isolation of 13-hydroxy-5,8,11-eicosatrienoic and 11-hydroxy-5,8,12-eicosatrienoic acids 690(1997)332

Proteins

Automated on-line dialysis, trace enrichment and high-performance liquid chromatography. Inhibition of interaction with the dialysis membrane and disruption of protein binding in the determination of clozapine in human plasma 690(1997)223

9-(3-Pyridylmethyl)-9-deazaguanine

High-performance liquid chromatographic determination of 9-(3-pyridylmethyl)-9-deazaguanine (BCX-34) in biological fluids 690(1997)295

Pyronaridine

Determination of pyronaridine in blood plasma by high-performance liquid chromatography for application in clinical pharmacological studies 690(1997)253

Selenium

Analysis of selenium in bovine liver by gas chromatography with mass-selective, electron-capture and nitrogen-phosphorus detection 690(1997)327

Sodium cromoglycate

Development and validation of an ion-pair liquid chromatographic method for the quantitation of sodium cromoglycate in urine following inhalation 690(1997)373

Steroids

Biotransformation of 17-alkylsteroids in the equine: gas chromatographic-mass spectral identification of ten intermediate metabolites of methyltestosterone 690(1997)55

Direct determination of anabolic steroid conjugates in human urine by combined high-performance liquid chromatography and tandem mass spectrometry 690(1997)65

Sulトpride

Selective determination of sulトpride in human plasma using high-performance liquid chromatography with ultraviolet detection and particle beam mass spectrometry 690(1997)153

Testosterone

Direct determination of anabolic steroid conjugates in human urine by combined high-performance liquid chromatography and tandem mass spectrometry 690(1997)65

Tetracycline

Use of metal chelate affinity chromatography and membrane-based ion-exchange as clean-up procedure for trace residue analysis of tetracyclines in animal tissues and egg 690(1997)173

Thiacetazone

Isocratic high-performance liquid chromatographic determination of thiacetazone by direct injection of plasma into an internal surface reversed-phase column 690(1997)289

TOP-53

Determination of a new podophyllotoxin derivative, TOP-53, and its metabolite in rat plasma and urine by high-performance liquid chromatography with electrochemical detection 690(1997)283

Torasemide

Gas chromatographic-mass spectrometric analysis of the loop diuretic torasemide in human urine 690(1997)105

Toxins

Determination of creatinine and other uremic toxins in human blood sera with micellar electrokinetic capillary electrophoresis 690(1997)35

Transferrin

Metalloprotein analysis by capillary isoelectric focusing 690(1997)43

Tyrosine

Determination of *p*-hydroxyphenylpyruvate, *p*-hydroxyphenyllactate and tyrosine in normal human plasma by gas chromatography-mass spectrometry isotope-dilution assay 690(1997)1

Valproic acid

Methods to reduce background interferences in electron-capture gas chromatographic analysis of valproic acid and its unsaturated metabolites after derivatization with pentafluorobenzyl bromide 690(1997)139

Vitamins

Fluorimetric assay of 1 α ,25-dihydroxyvitamin D₃ in human plasma 690(1997)15

Liquid chromatographic measurement of L-ascorbic acid and D-ascorbic acid in biological samples 690(1997)25

Characterization of monoglucuronides of vitamin D₂ and 25-hydroxyvitamin D₂ in rat bile using high-performance liquid chromatography-atmospheric pressure chemical ionization mass spectrometry 690(1997)348

Determination of vitamin E in human plasma by high-performance liquid chromatography 690(1997)355