



Compound Index Vol. 793

Affinity ligands

Imaging surface plasmon resonance system for screening affinity ligands 793(2003)229

Azelastine

Simultaneous enantioselective separation of azelastine and three of its metabolites for the investigation of the enantiomeric metabolism in rats. I. Liquid chromatography–ionspray tandem mass spectrometry and electrokinetic capillary chromatography 793(2003)389

Biomolecules

Derivatization of biomolecules for chemiluminescent detection in capillary electrophoresis (Review) 793(2003)49

Biopolymers

Fluorescent derivatization of polysaccharides and carbohydrate-containing biopolymers for measurement of enzyme activities in complex media 793(2003)181

Bulaquine

Liquid chromatography–tandem mass spectrometric assay with a novel method of quantitation for the simultaneous determination of bulaquine and its metabolite, primaquine, in monkey plasma 793(2003)253

Carbohydrates

Derivatization of carbohydrates for chromatographic, electrophoretic and mass spectrometric structure analysis (Review) 793(2003)15

Determination of 1-phenyl-3-methyl-5-pyrazolone-labeled carbohydrates by liquid chromatography and micellar electrokinetic chromatography 793(2003)159

Fluorescent derivatization of polysaccharides and carbohydrate-containing biopolymers for measurement of enzyme activities in complex media 793(2003)181

Carfentanil

Extraction and quantitation of carfentanil and naltrexone in goat plasma with liquid chromatography–mass spectrometry 793(2003)351

Cortisol

Simple and sensitive high-performance liquid chromatography method for simultaneous determination of urinary free cortisol and 6 β -hydroxycortisol in routine practice. For CYP 3A4 activity evaluation in basal conditions and after grapefruit juice intake 793(2003)357

18-Crown-6-tetracarboxylic acid

Enantiomeric separation of TAPP, H–Tyr–(D)Ala–Phe–Phe–NH₂, by capillary electrophoresis using 18-crown-6-tetracarboxylic acid as a chiral selector 793(2003)343

Demethylazelastine

Simultaneous enantioselective separation of azelastine and three of its metabolites for the investigation of the enantiomeric metabolism in rats. I. Liquid chromatography–ionspray tandem mass spectrometry and electrokinetic capillary chromatography 793(2003)389

DNA

Laser-induced fluorescence technique for DNA and proteins separated by capillary electrophoresis (Review) 793(2003)37

DNA, amino-modified

Set of fluorochromophores in the wavelength range from 450 to 700 nm and suitable for labeling proteins and amino-modified DNA 793(2003)83

Ecstasy

Enantioselective quantitation of the ecstasy compound (*R*)- and (*S*)-*N*-ethyl-3,4-methylenedioxyamphetamine and its major metabolites in human plasma and urine 793(2003)207

Enterodiol

Liquid chromatographic–tandem mass spectrometric method for the plant lignan 7-hydroxymatairesinol and its potential metabolites in human plasma 793(2003)297

Enterolactone

Liquid chromatographic–tandem mass spectrometric method for the plant lignan 7-hydroxymatairesinol and its potential metabolites in human plasma 793(2003)297

Enzymes

Relative mRNA expression of the lactate dehydrogenase A and B subunits as determined by simultaneous amplification and single strand conformation polymorphism. Relation with subunit enzyme activity 793(2003)405

Ethinylestradiol

Determination using liquid-chromatography–electrospray tandem mass spectroscopy of ethinylestradiol serum pharmacokinetics in adult Sprague–Dawley rats 793(2003)309

N-Ethyl-3,4-methylenedioxyamphetamine

Enantioselective quantitation of the ecstasy compound (*R*)- and (*S*)-*N*-ethyl-3,4-methylenedioxyamphetamine and its major metabolites in human plasma and urine 793(2003)207

Fluorescein isothiocyanate

Automated large-volume sample stacking procedure to detect labeled peptides at picomolar concentration using capillary electrophoresis and laser-induced fluorescence detection 793(2003)151

5-Furoylquinoline-3-carboxaldehyde

Kinetics and apparent activation energy of the reaction of the fluorogenic reagent 5-furoylquinoline-3-carboxaldehyde with ovalbumin 793(2003)107

Haptoglobin

Mapping glycosylation changes related to cancer using the Multiplexed Proteomics technology: a protein differential display approach 793(2003)127

Hippuric acid

Determination of urinary hippuric acid by micellar electrokinetic capillary chromatography 793(2003)223

Homologous gene

Relative mRNA expression of the lactate dehydrogenase A and B subunits as determined by simultaneous amplification and single strand conformation polymorphism. Relation with subunit enzyme activity 793(2003)405

H–Tyr–(D)Ala–Phe–Phe–NH₂

Enantiomeric separation of TAPP, H–Tyr–(D)Ala–Phe–Phe–NH₂, by capillary electrophoresis using 18-crown-6-tetracarboxylic acid as a chiral selector 793(2003)343

Hydroxycinnamates

Validated method for the determination of six metabolites derived from artichoke leaf extract in human plasma by high-performance liquid chromatography–coulometric-array detection 793(2003)367

6β-Hydroxycortisol

Simple and sensitive high-performance liquid chromatography method for simultaneous determination of urinary free cortisol and 6β-hydroxycortisol in routine practice. For CYP 3A4 activity evaluation in basal conditions and after grapefruit juice intake 793(2003)357

7-Hydroxyenterolactone

Liquid chromatographic–tandem mass spectrometric method for the plant lignan 7-hydroxymatairesinol and its potential metabolites in human plasma 793(2003)297

3-Hydroxy-3-methylglutaryl

Analytical methods for the quantitative determination of 3-hydroxy-3-methylglutaryl coenzyme A reductase inhibitors in biological samples (Review) 793(2003)193

(–)-10-Hydroxyverbenone

High-performance liquid chromatographic method for the determination of (–)-verbenone 10-hydroxylation catalyzed by rat liver microsomes 793(2003)291

Lactate dehydrogenase

Relative mRNA expression of the lactate dehydrogenase A and B subunits as determined by simultaneous amplification and single strand conformation polymorphism. Relation with subunit enzyme activity 793(2003)405

Long R³ IGF-I

Site-specific fluorescent derivatization and liquid chromatographic–mass spectrometric characterization of Long R³ IGF-I for bioanalytical applications 793(2003)115

Mammalian lignans

Liquid chromatographic–tandem mass spectrometric method for the plant lignan 7-hydroxymatairesinol and its potential metabolites in human plasma 793(2003)297

4'-Methoxy-α-pyrrolidinopropiophenone

Metabolism and toxicological detection of the new designer drug 4'-methoxy-α-pyrrolidinopropiophenone studied in rat urine using gas chromatography–mass spectrometry 793(2003)331

3',4'-Methylenedioxy-α-pyrrolidinopropiophenone

Metabolism and toxicological detection of the new designer drug 3',4'-methylenedioxy-α-pyrrolidinopropiophenone studied in urine using gas chromatography–mass spectrometry 793(2003)377

Mitoguazone

Rapid and sensitive quantitation of the antiproliferative agent mitoguazone in small volumes of plasma by high-performance liquid chromatography with ultraviolet detection 793(2003)281

MitoTracker Green

MitoTracker Green labeling of mitochondrial proteins and their subsequent analysis by capillary electrophoresis with laser-induced fluorescence detection 793(2003)141

Naltrexone

Extraction and quantitation of carfentanil and naltrexone in goat plasma with liquid chromatography–mass spectrometry 793(2003)351

Non-covalent protein labeling

Symmetric and asymmetric squarylium dyes as noncovalent protein labels: a study by fluorimetry and capillary electrophoresis 793(2003)93

OSI-420

Specific method for determination of OSI-774 and its metabolite OSI-420 in human plasma by using liquid chromatography–tandem mass spectrometry 793(2003)413

OSI-774

Specific method for determination of OSI-774 and its metabolite OSI-420 in human plasma by using liquid chromatography–tandem mass spectrometry 793(2003)413

Ovalbumin

Kinetics and apparent activation energy of the reaction of the fluorogenic reagent 5-furoylquinoline-3-carboxaldehyde with ovalbumin 793(2003)107

Peptides

Automated large-volume sample stacking procedure to detect labeled peptides at picomolar concentration using capillary electrophoresis and laser-induced fluorescence detection 793(2003)151

Enantiomeric separation of TAPP, H–Tyr–(D)Ala–Phe–Phe–NH₂, by capillary electrophoresis using 18-crown-6-tetracarboxylic acid as a chiral selector 793(2003)343

Phenylhydrazone

Labelling saccharides with phenylhydrazine for electrospray and matrix-assisted laser desorption–ionization mass spectrometry 793(2003)167

1-Phenyl-3-methyl-5-pyrazolone

Determination of 1-phenyl-3-methyl-5-pyrazolone-labeled carbohydrates by liquid chromatography and micellar electrokinetic chromatography 793(2003)159

Phospholipids

Derivatization of phospholipids (Review) 793(2003)3

Polysaccharides

Fluorescent derivatization of polysaccharides and carbohydrate-containing biopolymers for measurement of enzyme activities in complex media 793(2003)181

Primaquine

Liquid chromatography–tandem mass spectrometric assay with a novel method of quantitation for the simultaneous determination of bulaquine and its metabolite, primaquine, in monkey plasma 793(2003)253

Proteins

Laser-induced fluorescence technique for DNA and proteins separated by capillary electrophoresis (Review) 793(2003)37

Comparative study of different fluorescent dyes for the detection of proteins on membranes using the peroxyoxalate chemiluminescent reaction 793(2003)75

Set of fluorochromophores in the wavelength range from 450 to 700 nm and suitable for labeling proteins and amino-modified DNA 793(2003)83

Proteins, mitochondrial

MitoTracker Green labeling of mitochondrial proteins and their subsequent analysis by capillary electrophoresis with laser-induced fluorescence detection 793(2003)141

Proteins, single-strand DNA binding

Purification of single-strand DNA binding protein from an *Escherichia coli* lysate using counter-current chromatography, partition and precipitation 793(2003)275

Proteins, 6xHis-tagged

Novel purification system for 6xHis-tagged proteins by magnetic affinity separation 793(2003)325

Reviews

Derivatization of phospholipids (Review) 793(2003)3

Derivatization of carbohydrates for chromatographic, electrophoretic and mass spectrometric structure analysis (Review) 793(2003)15

Laser-induced fluorescence technique for DNA and proteins separated by capillary electrophoresis (Review) 793(2003)37

Derivatization of biomolecules for chemiluminescent detection in capillary electrophoresis (Review) 793(2003)49

Saccharides

Labelling saccharides with phenylhydrazine for electrospray and matrix-assisted laser desorption–ionization mass spectrometry 793(2003)167

Single-strand DNA

Purification of single-strand DNA binding protein from an *Escherichia coli* lysate using counter-current chromatography, partition and precipitation 793(2003)275

Squarylium dyes

Symmetric and asymmetric squarylium dyes as noncovalent protein labels: a study by fluorimetry and capillary electrophoresis 793(2003)93

Tenofovir

Sensitive determination of tenofovir in human plasma samples using reversed-phase liquid chromatography 793(2003)317

Testosterone

Determination of plasma testosterone using a simple liquid chromatographic method 793(2003)421

Verbenone

High-performance liquid chromatographic method for the determination of (–)-verbenone 10-hydroxylation catalyzed by rat liver microsomes 793(2003)291