

Available online at www.sciencedirect.com





Journal of Organometallic Chemistry 668 (2003) 147-149

www.elsevier.com/locate/jorganchem

Subject Index of Volume 668

AC voltammetry

Novel redox label for proteins. Electron transfer properties of $(\eta^{5} - cyclopentadienyl)$ tricarbonyl manganese bound to bovine serum albumin, 17

Ag(I) complexation

¹H-, ¹³C-, and ¹⁵N-NMR and ESI-TOF⁺ MS studies of a supramolecular complex of silver(I) and a cholaphane, 43

Alcohol dehydrogenase

New bioorganometallic ferrocene derivatives as efficient mediators for glucose and ethanol biosensors based on PQQ-dependent dehydrogenases, 83

α-Amino acid

The Suzuki cross-coupling reaction: a powerful tool for the attachment of organometallic 'NCN'-pincer units to biological scaffolds, 3

Antibacterial

- Synthesis and characterisation of some water soluble ruthenium(II)-arene complexes and an investigation of their antibiotic and antiviral properties, 35
- Anticancer
 - Synthesis and characterisation of some water soluble ruthenium(II)-arene complexes and an investigation of their antibiotic and antiviral properties, 35

Antimicrobial

Synthesis and characterisation of some water soluble ruthenium(II)-arene complexes and an investigation of their antibiotic and antiviral properties, 35

Antiviral

Synthesis and characterisation of some water soluble ruthenium(II)-arene complexes and an investigation of their antibiotic and antiviral properties, 35

Atrazine

Evaluation of the carbonyl metallo immunoassay (CMIA) for the determination of traces of the herbicide atrazine, 59

Beta-cyclodextrin

Redox activation of dicarbonyl(η^{5} -cyclopentadienyl)methyl iron within the cavity of β -cyclodextrin: carbon monoxide insertion in iron-methyl bond, 9

Biocytin

Metallo-carbonyl conjugates of biotin and biocytin, 95

Bioorganometallic

Synthesis and characterisation of some water soluble ruthenium(II)-arene complexes and an investigation of their antibiotic and antiviral properties, 35

Bioorganometallic chemistry

- A short route to cyclopentadienyltricarbonylrhenium substituted derivatives, 140
 - Hydrogen-bonding-directed molecular assembly of ferrocene bearing dipeptide chains (-L-Ala-L-Pro-NHPyMe) as an organometallic crystal architecture, 31

Bioprobes

Flavonoid derivatives as organometallic bioprobes, 101 Biosensor

New bioorganometallic ferrocene derivatives as efficient mediators

Elsevier Science B.V. PII: S0022-328X(03)00066-4 for glucose and ethanol biosensors based on PQQ-dependent dehydrogenases, 83

Biotin

Metallo-carbonyl conjugates of biotin and biocytin, 95

BNCS

The synthesis and X-ray crystallographic structure determination of 3-isocyano-1,2-dicarba-*closo*-dodecaborane-Re(I) complexes, 25

BNCT

The synthesis and X-ray crystallographic structure determination of 3-isocyano-1,2-dicarba-*closo*-dodecaborane-Re(I) complexes, 25

Carbonyl

 $(\eta^5-C_5H_5)Fe(CO)_2$ -complexes of uridine and thymidine, 91 Carboranes

Carboranes

The synthesis and X-ray crystallographic structure determination of 3-isocyano-1,2-dicarba-*closo*-dodecaborane-Re(I) complexes, 25

Chirality organized structure

Hydrogen-bonding-directed molecular assembly of ferrocene bearing dipeptide chains (-L-Ala-L-Pro-NHPyMe) as an organometallic crystal architecture, 31

Cholaphane

¹H-, ¹³C-, and ¹⁵N-NMR and ESI-TOF⁺ MS studies of a supramolecular complex of silver(I) and a cholaphane, 43

Cluster

Synthesis and characterisation of some water soluble ruthenium(II)-arene complexes and an investigation of their antibiotic and antiviral properties, 35

Cocrystal

Hydrogen-bonding-directed molecular assembly of ferrocene bearing dipeptide chains (-L-Ala-L-Pro-NHPyMe) as an organometallic crystal architecture, 31

CO insertion

Redox activation of dicarbonyl(η^{5} -cyclopentadienyl)methyl iron within the cavity of β -cyclodextrin: carbon monoxide insertion in iron-methyl bond, 9

Synthesis, properties, and biosensor applications of cycloruthenated 2-phenylimidazoles, 75

Cyclopentadienyl

 $(\eta^5-C_5H_5)Fe(CO)_2$ -complexes of uridine and thymidine, 91

Cyclopentadienyl iron carbonyl

Metallo-carbonyl conjugates of biotin and biocytin, 95

Cyclopentadienyl ligands

A short route to cyclopentadienyltricarbonylrhenium substituted derivatives, 140

Cymantrene

Novel redox label for proteins. Electron transfer properties of $(\eta^5$ -cyclopentadienyl) tricarbonyl manganese bound to bovine serum albumin, 17

Cymantrenyl methyl imidate

Novel redox label for proteins. Electron transfer properties of (η^5 -

Cyclometalation

cyclopentadienyl) tricarbonyl manganese bound to bovine serum albumin, 17

Cytotoxicity

Coordination properties of the ACE inhibitor captopril towards Me₂Sn(IV)²⁺ in aqueous solution, and biological aspects of some dialkyltin(IV) derivatives of this ligand, 129

Dicarbonyl(n5-cyclopentadienyl)methyl iron

Redox activation of dicarbonyl(η^5 -cyclopentadienyl)methyl iron within the cavity of β -cyclodextrin: carbon monoxide insertion in iron-methyl bond, 9

Dipeptide

Hydrogen-bonding-directed molecular assembly of ferrocene bearing dipeptide chains (-L-Ala-L-Pro-NHPyMe) as an organometallic crystal architecture, 31

DNA

Synthesis, characterization and DNA binding affinities of watersoluble benzoheterocycle triosmium clusters, 51

Electrochemistry

Synthesis, properties, and biosensor applications of cycloruthenated 2-phenylimidazoles, 75

Electron transfer

- New bioorganometallic ferrocene derivatives as efficient mediators for glucose and ethanol biosensors based on PQQ-dependent dehydrogenases, 83
- Synthesis, properties, and biosensor applications of cycloruthenated 2-phenylimidazoles, 75

ESI-TOF+ MS

¹H-, ¹³C-, and ¹⁵N-NMR and ESI-TOF⁺ MS studies of a supramolecular complex of silver(I) and a cholaphane, 43

Ferrocene

- Hydrogen-bonding-directed molecular assembly of ferrocene bearing dipeptide chains (-L-Ala-L-Pro-NHPyMe) as an organometallic crystal architecture, 31
- New bioorganometallic ferrocene derivatives as efficient mediators for glucose and ethanol biosensors based on PQQ-dependent dehydrogenases, 83

Flavonoids

Flavonoid derivatives as organometallic bioprobes, 101

Fourier-transform infrared spectroscopy (FT-IR)

Evaluation of the carbonyl metallo immunoassay (CMIA) for the determination of traces of the herbicide atrazine, 59

Fulvene

A short route to cyclopentadienyltricarbonylrhenium substituted derivatives, 140

Gene induction

Flavonoid derivatives as organometallic bioprobes, 101

- Glucose dehydrogenase
 - New bioorganometallic ferrocene derivatives as efficient mediators for glucose and ethanol biosensors based on PQQ-dependent dehydrogenases, 83
- Glucose oxidase
 - Synthesis, properties, and biosensor applications of cycloruthenated 2-phenylimidazoles, 75
- Horseradish peroxidase
 - Synthesis, properties, and biosensor applications of cycloruthenated 2-phenylimidazoles, 75
- Host-guest complex
 - Redox activation of dicarbonyl(η^5 -cyclopentadienyl)methyl iron within the cavity of β -cyclodextrin: carbon monoxide insertion in iron-methyl bond, 9

Host-guest non-covalent interactions

Bioorganometallic chemistry: Part 15. A novel molecular recogni-

tion process of host, *trans*-[Cp*Rh($\eta^1(N3)$ -1-methylcytosine)(μ -OH)]₂(OTf)₂, with L-aromatic amino acid guests: selective hydrogen bonding to the μ -OH groups and the 1-methylcytosine ligands, 123

Human thymidine kinase

First organometallic inhibitors for human thymidine kinase: synthesis and in vitro evaluation of rhenium(I)- and technetium(I)-tricarbonyl complexes of thymidine, 67

Hydrogen bond

Hydrogen-bonding-directed molecular assembly of ferrocene bearing dipeptide chains (-L-Ala-L-Pro-NHPyMe) as an organometallic crystal architecture, 31

Hydrogen-bonded network

Hydrogen-bonding-directed molecular assembly of ferrocene bearing dipeptide chains (-L-Ala-L-Pro-NHPyMe) as an organometallic crystal architecture, 31

Immunoassay

Evaluation of the carbonyl metallo immunoassay (CMIA) for the determination of traces of the herbicide atrazine, 59

Iron

 $(\eta^5-C_5H_5)Fe(CO)_2$ -complexes of uridine and thymidine, 91 IR spectroscopy

- Novel redox label for proteins. Electron transfer properties of $(\eta^5$
- cyclopentadienyl) tricarbonyl manganese bound to bovine serum albumin, 17

Isonitriles

The synthesis and X-ray crystallographic structure determination of 3-isocyano-1,2-dicarba-*closo*-dodecaborane-Re(I) complexes, 25

Isothiocyanate

Metallo-carbonyl conjugates of biotin and biocytin, 95

Kinetics

Synthesis, properties, and biosensor applications of cycloruthenated 2-phenylimidazoles, 75

Labelling

Metallo-carbonyl conjugates of biotin and biocytin, 95

Mass spectrometry

Coordination properties of the ACE inhibitor captopril towards $Me_2Sn(IV)^{2+}$ in aqueous solution, and biological aspects of some dialkyltin(IV) derivatives of this ligand, 129

Mediators

- Synthesis, properties, and biosensor applications of cycloruthenated 2-phenylimidazoles, 75
- Metal carbonyl complex
 - Evaluation of the carbonyl metallo immunoassay (CMIA) for the determination of traces of the herbicide atrazine, 59

Metal clusters

Synthesis, characterization and DNA binding affinities of watersoluble benzoheterocycle triosmium clusters, 51

Molecular recognition

Bioorganometallic chemistry: Part 15. A novel molecular recognition process of host, *trans*-[Cp*Rh($\eta^1(N3)$ -1-methylcytosine)(μ -OH)]₂(OTf)₂, with L-aromatic amino acid guests: selective hydrogen bonding to the μ -OH groups and the 1methylcytosine ligands, 123

Mössbauer

Coordination properties of the ACE inhibitor captopril towards $Me_2Sn(IV)^{2+}$ in aqueous solution, and biological aspects of some dialkyltin(IV) derivatives of this ligand, 129

Multinuclear magnetic resonance

¹H-, ¹³C-, and ¹⁵N-NMR and ESI-TOF⁺ MS studies of a supramolecular complex of silver(I) and a cholaphane, 43

NMR studies

Coordination properties of the ACE inhibitor captopril towards Me₂Sn(IV)²⁺ in aqueous solution, and biological aspects of some dialkyltin(IV) derivatives of this ligand, 129 Nucleotide

 $(\eta^5-C_5H_5)Fe(CO)_2$ -complexes of uridine and thymidine, 91

Organometalcarbonyl groups

Flavonoid derivatives as organometallic bioprobes, 101

Organotin compounds

Coordination properties of the ACE inhibitor captopril towards $Me_2Sn(IV)^{2+}$ in aqueous solution, and biological aspects of some dialkyltin(IV) derivatives of this ligand, 129

Osmium

Synthesis, characterization and DNA binding affinities of watersoluble benzoheterocycle triosmium clusters, 51

Palladium

The Suzuki cross-coupling reaction: a powerful tool for the attachment of organometallic 'NCN'-pincer units to biological scaffolds, 3

pH-metric titration

Coordination properties of the ACE inhibitor captopril towards Me₂Sn(IV)²⁺ in aqueous solution, and biological aspects of some dialkyltin(IV) derivatives of this ligand, 129

Phosphonate

The Suzuki cross-coupling reaction: a powerful tool for the attachment of organometallic 'NCN'-pincer units to biological scaffolds, 3

Piperazine

¹H-, ¹³C-, and ¹⁵N-NMR and ESI-TOF⁺ MS studies of a supramolecular complex of silver(I) and a cholaphane, 43

Platinum

The Suzuki cross-coupling reaction: a powerful tool for the attachment of organometallic 'NCN'-pincer units to biological scaffolds, 3

Protein detection

Novel redox label for proteins. Electron transfer properties of $(\eta^5 - cyclopentadienyl)$ tricarbonyl manganese bound to bovine serum albumin, 17

Pyrroloquinoline quinone

New bioorganometallic ferrocene derivatives as efficient mediators for glucose and ethanol biosensors based on PQQ-dependent dehydrogenases, 83

Redox activation

Redox activation of dicarbonyl(η^5 -cyclopentadienyl)methyl iron within the cavity of β -cyclodextrin: carbon monoxide insertion in iron-methyl bond, 9

Redox label

Novel redox label for proteins. Electron transfer properties of $(\eta^5 - cyclopentadienyl)$ tricarbonyl manganese bound to bovine serum albumin, 17

Reduction

Novel redox label for proteins. Electron transfer properties of $(\eta^5$ cyclopentadienyl) tricarbonyl manganese bound to bovine serum albumin, 17

Rhenium

- A short route to cyclopentadienyltricarbonylrhenium substituted derivatives, 140
- The synthesis and X-ray crystallographic structure determination of 3-isocyano-1,2-dicarba-*closo*-dodecaborane-Re(I) complexes, 25

Rhenium(I)

First organometallic inhibitors for human thymidine kinase: synthesis and in vitro evaluation of rhenium(I)- and technetium(I)-tricarbonyl complexes of thymidine, 67

Rhizobium

Flavonoid derivatives as organometallic bioprobes, 101

Root nodulation

Flavonoid derivatives as organometallic bioprobes, 101 Ruthenium-arene complexes

Kuthemum-arene comp

Synthesis and characterisation of some water soluble ruthenium(II)-arene complexes and an investigation of their antibiotic and antiviral properties, 35

Ruthenium complexes

Synthesis, properties, and biosensor applications of cycloruthenated 2-phenylimidazoles, 75

Screen-printed carbon electrode

New bioorganometallic ferrocene derivatives as efficient mediators for glucose and ethanol biosensors based on PQQ-dependent dehydrogenases, 83

Selective hydrogen bonding

Bioorganometallic chemistry: Part 15. A novel molecular recognition process of host, *trans*-[Cp*Rh(η^1 (N3)-1-methylcytosine)(μ -OH)]₂(OTf)₂, with L-aromatic amino acid guests: selective hydrogen bonding to the μ -OH groups and the 1methylcytosine ligands, 123

Signal molecules

- Flavonoid derivatives as organometallic bioprobes, 101
- Synthesis

Flavonoid derivatives as organometallic bioprobes, 101

Technetium(I)

First organometallic inhibitors for human thymidine kinase: synthesis and in vitro evaluation of rhenium(I)- and technetium(I)-tricarbonyl complexes of thymidine, 67

Thiophene

¹H-, ¹³C-, and ¹⁵N-NMR and ESI-TOF⁺ MS studies of a supramolecular complex of silver(I) and a cholaphane, 43

Thymidine

 $(\eta^5-C_5H_5)Fe(CO)_2$ -complexes of uridine and thymidine, 91 Thymidine analogues

First organometallic inhibitors for human thymidine kinase: synthesis and in vitro evaluation of rhenium(I)- and technetium(I)-tricarbonyl complexes of thymidine, 67

Tricarbonyliron

Flavonoid derivatives as organometallic bioprobes, 101

Uridine

 $(\eta^{5}-C_{5}H_{5})Fe(CO)_{2}$ -complexes of uridine and thymidine, 91

Viral thymidine kinase

First organometallic inhibitors for human thymidine kinase: synthesis and in vitro evaluation of rhenium(I)- and technetium(I)-tricarbonyl complexes of thymidine, 67

Water soluble

Synthesis, characterization and DNA binding affinities of watersoluble benzoheterocycle triosmium clusters, 51

X-ray

The synthesis and X-ray crystallographic structure determination of 3-isocyano-1,2-dicarba-*closo*-dodecaborane-Re(I) complexes, 25