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Foreword

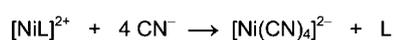
J.-C. G. Bünzli

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Kinetics and Mechanism of the Demetallation of Macrocyclic Nickel(II) Complexes by Cyanide

*L. Siegfried, T. A. Kaden**

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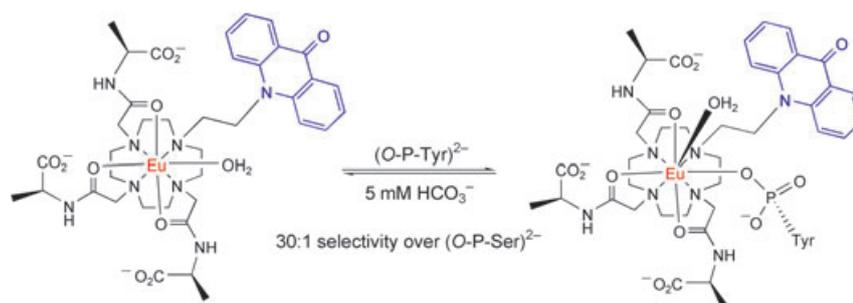


L = tetraazamacrocycle

NMR and Luminescence Binding Studies of Ytterbium, Thulium, and Europium Macrocyclic Complexes with Phosphorus(V) Oxy Anions

P. Atkinson, Y. Bretonnière, D. Parker, G. Muller*

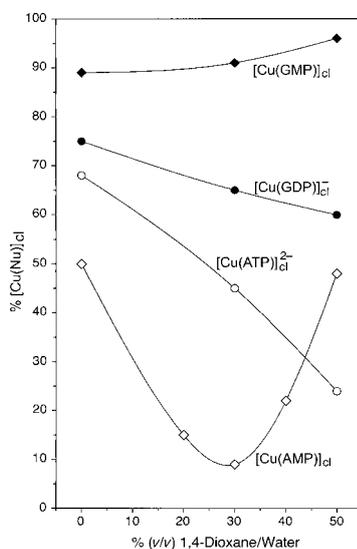
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Influence of Decreasing Solvent Polarity (1,4-Dioxane/Water Mixtures) on the Acid-Base and Copper(II)-Binding Properties of Guanosine 5'-Diphosphate

E. M. Bianchi, R. Griesser, H. Sigel*

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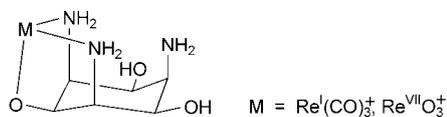


1,3,5-Triamino-1,3,5-trideoxy-*cis*-inositol, a Ligand with a Remarkable Versatility for Metal Ions

Part XIII. Complex Formation with Rhenium(I) and Rhenium(VII)

K. Hegetschweiler*, A. Egli, E. Herdtweck, W. A. Herrmann, R. Alberto, V. Gramlich

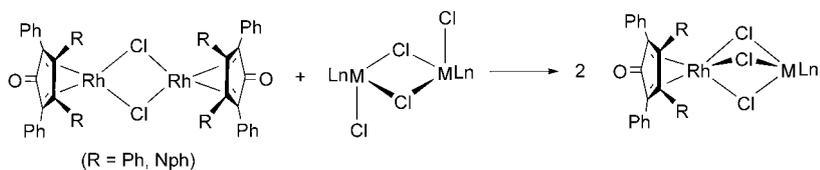
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Syntheses and Structures of Homo- and Heterobimetallic Complexes Containing a (Cyclopentadienone)rhodium(I) Fragment

S. Gauthier, R. Scopelliti, K. Severin*

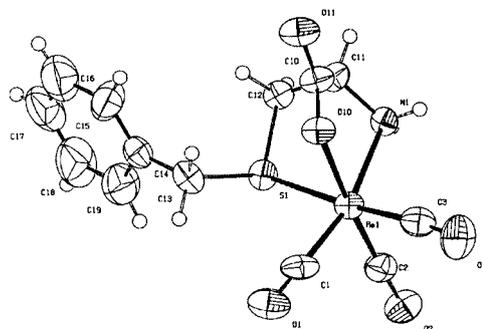
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S-Functionalized Cysteine: Powerful Ligands for the Labelling of Bioactive Molecules with Triaquatricarbonyltechnetium-99m(1+) ($[^{99m}\text{Tc}(\text{OH}_2)_3(\text{CO})_3]^+$)

*D. R. van Staveren, P. D. Benny, R. Waibel, P. Kurz, J.-K. Pak, R. Alberto**

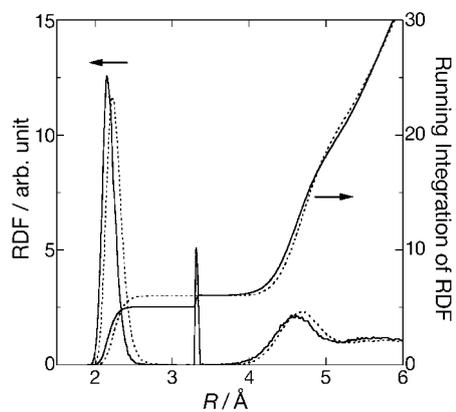
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Water-Exchange Mechanism for Zinc(II), Cadmium(II), and Mercury(II) Ions in Water as Studied by Umbrella-Sampling Molecular-Dynamics Simulations

Y. Inada, A. M. Mohammed, H. H. Loeffler, S. Funahashi**

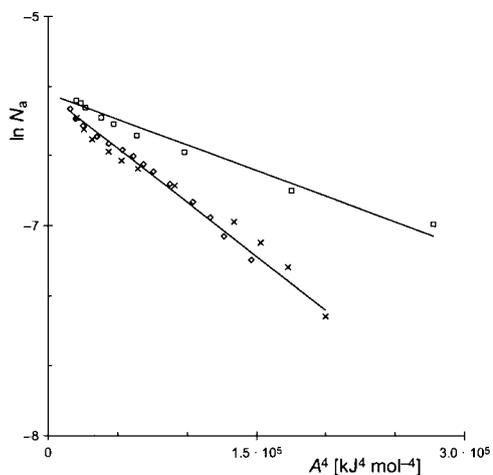
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On the Adsorption, by Activated Carbons, of Some Sparingly Soluble Organics from Aqueous Solutions

*D. Hugi-Cleary**, *A. Slasli*, *F. Stoeckli*

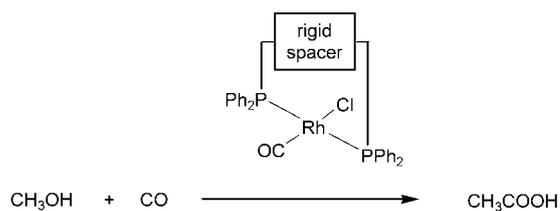
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Square-Planar Carbonylchlororhodium(I) Complexes Containing *trans*-Spanning Diphosphine Ligands as Catalysts for the Carbonylation of Methanol

S. Burger, *B. Therrien*, *G. Süß-Fink**

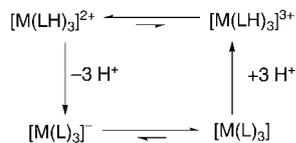
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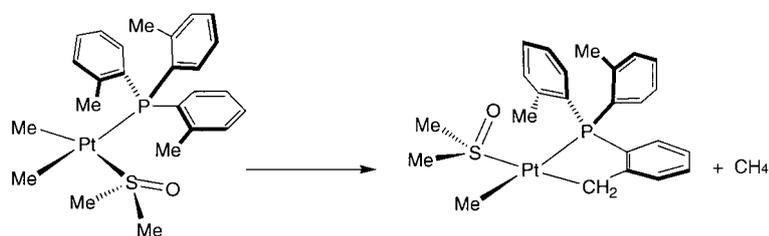
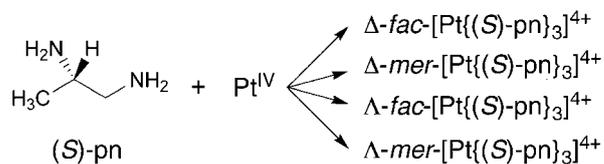


Control of Redox Potential by Deprotonation of Coordinated 1*H*-Imidazole in Complexes of 2-(1*H*-Imidazol-2-yl)pyridine

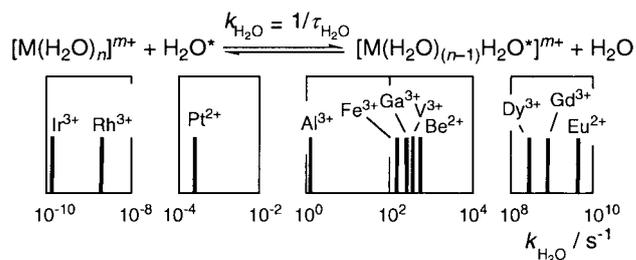
G. Stupka, *L. Gremaud*, *A. F. Williams**

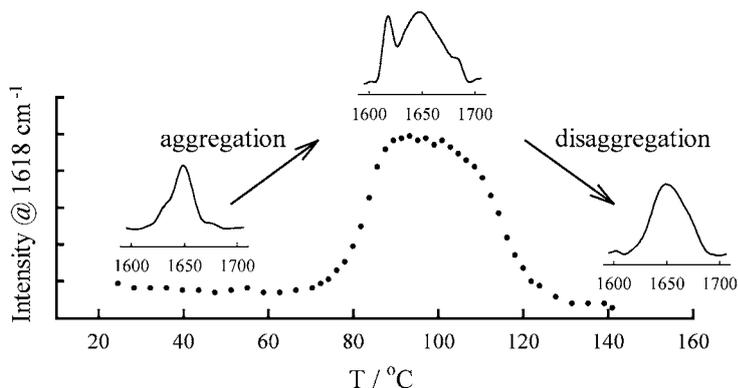
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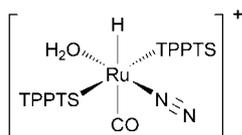


REVIEW

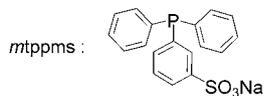
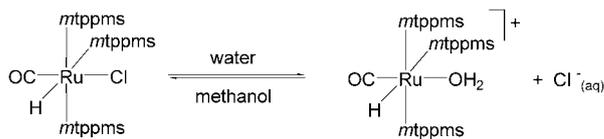




Synthesis and Characterization of New Water-Soluble Hydrides of Ru^{II}: A Step towards Dinitrogen Activation?



Aqueous Organometallic Chemistry. Synthesis and Solution Equilibria of Trisodium Carbonylchlorotris[3-(diphenylphosphino- κ P)benzenesulfonato]hydridoruthenate(3-) ($[\text{RuH}(\text{Cl})(\text{CO})\{m\text{-(Ph}_2\text{P)-C}_6\text{H}_4\text{-SO}_3\text{Na}\}_3]$) and Trisodium Aquacarbonyltris[3-(diphenylphosphino- κ P)benzenesulfonato]hydridoruthenate(2-) Tetrafluoroborate(1-) ($[\text{RuH}(\text{CO})(\text{H}_2\text{O})\{m\text{-(Ph}_2\text{P)-C}_6\text{H}_4\text{-SO}_3\text{Na}\}_3] [\text{BF}_4]$)



Can the Theoretical Fitting of the Proton-Nuclear-Magnetic-Relaxation-Dispersion (Proton NMRD) Curves of Paramagnetic Complexes Be Improved by Independent Measurement of Their Self-Diffusion Coefficients?

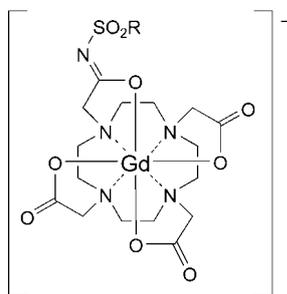
*L. Vander Elst, A. Sessoye, S. Laurent, R. N. Muller**

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Gadolinium(III) Complexes of dota-Derived *N*-Sulfonylacetamides ($H_4(\text{dota-NHSO}_2R) = 10\text{-}\{2\text{-}[(R)\text{sulfonylamino}]\text{-2-oxoethyl}\}\text{-1,4,7,10-tetraazacyclododecane-1,4,7-triacetic Acid}$): A New Class of Relaxation Agents for Magnetic Resonance Imaging Applications

S. Aime, M. Botta, G. Cravotto, L. Frullano, G. B. Giovenzana, S. G. Crich, G. Palmisano, Massimo Sisti*

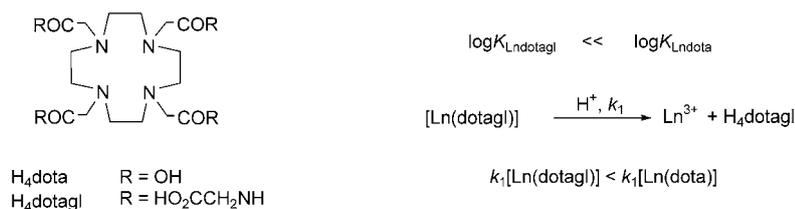
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Complexation Properties of N,N',N'',N''' -[1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetra-yltetrakis(1-oxoethane-2,1-diyl)]tetrakis[glycine] ($H_4\text{dotagl}$). Equilibrium, Kinetic, and Relaxation Behavior of the Lanthanide(III) Complexes

Z. Baranyai, E. Brücher, T. Iványi, R. Király, I. Lázár, L. Zékány*

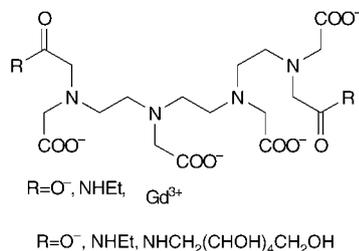
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Structure and Dynamics of Lanthanide Complexes of Triethylenetetramine-*N,N,N',N'',N''',N''''*-hexaacetic Acid (H_6ttha) and of Diamides $H_4ttha(NHR)$ Derived from H_6ttha as Studied by NMR, NMRD, and EPR

*E. Zitha-Bovens, R. N. Muller, S. Laurent, L. Vander Elst, C. F. G. C. Geraldes, H. van Bekkum, J. A. Peters**

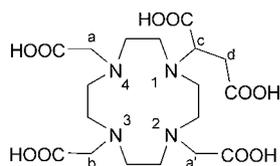
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$H_5dotasa$ (= (*αRS*)-*α*-(Carboxymethyl)-1,4,7,10-tetraazacyclododecane-1,4,7,10-tetraacetic Acid), an Asymmetrical Derivative of H_4dota (= 1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetraacetic Acid) Substituted at One Acetate Pendant Arm: 1H -NMR and Potentiometric Studies of the Ligand and Its Lanthanide(III) Complexes

J. P. André, E. Brücher, R. Kiraly, R. A. Carvalho, H. Mücke, C. F. G. C. Geraldes**

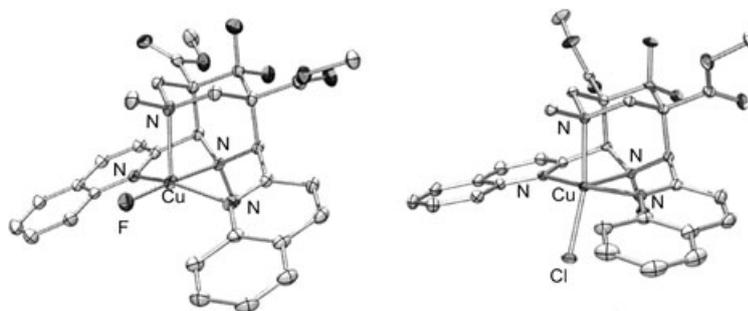
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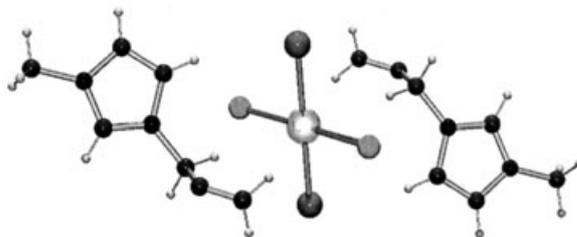


Tuning the Properties of Copper(II) Complexes with Tetra- and Pentadentate Bispidine (= 3,7-Diazabicyclo[3.3.1]nonane) Ligands

P. Comba, C. Lopez de Laorden, H. Pritzkow*

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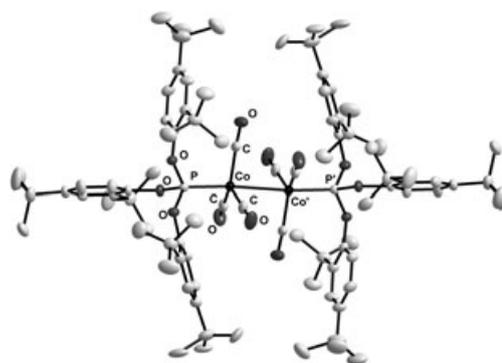




Synthesis, Spectroscopy, and Hydroformylation Activity of Sterically Demanding, Phosphite-Modified Cobalt Catalysts

R. Meijboom, M. Haumann, A. Roodt*, L. Damoense

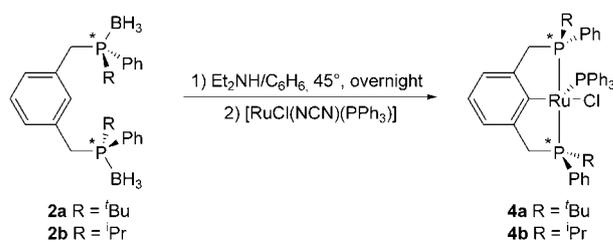
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Novel P-Stereogenic PCP Pincer-Aryl Ruthenium(II) Complexes and Their Use in the Asymmetric Hydrogen Transfer Reaction of Acetophenone

S. Medici, M. Gagliardo, S. B. Williams, P. A. Chase, S. Gladiali, M. Lutz, A. L. Spek, G. P. M. van Klink, G. van Koten*

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