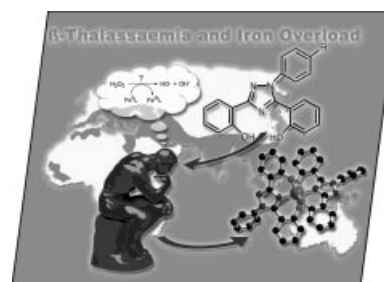


Earliest available Table of Contents:
 Automatically, free of charge by e-mail through
www.interscience.wiley.com/alerts

COVER PICTURE

The cover picture shows the structure of the Fe^{III} -selective chelating agent ICL670 ($\text{R} = \text{COOH}$). ICL670 has a high potential for the oral treatment of iron overload, a condition that originates from regular blood transfusions, as are necessary in the treatment of β -Thalassaemia. However, a possible problem arising from this treatment is the production of $\text{OH}^\cdot$ radicals, which can be catalysed by redox-cycling of labile $\text{Fe}^{\text{II}}/\text{Fe}^{\text{III}}$ species. For a conclusive consideration of potential oxidative stress, a careful elucidation of the stability and redox properties of the various $\text{Fe}^{\text{II}}/\text{Fe}^{\text{III}}$ species, which are present at physiological conditions, has been performed. Details are discussed in the article by K. Hegetschweiler et al. on p. 4177ff.



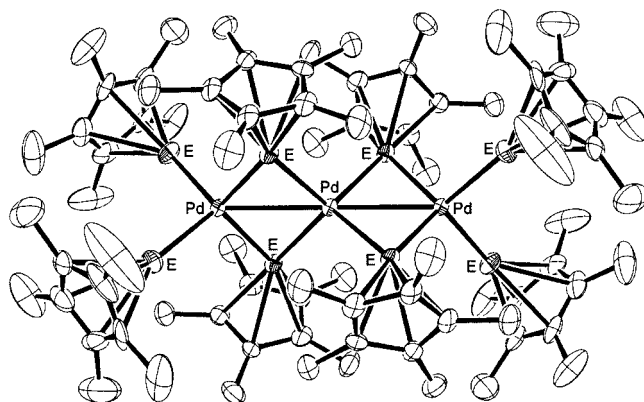
MICROREVIEW

Contents

- 4161** C. Gemel, T. Steinke, M. Cokoja,
 A. Kempter, R. A. Fischer*

Transition Metal Chemistry of Low Valent
 Group 13 Organyls

Keywords: Group 13 elements / Transition metals /
 Main group elements / Carbene homo-
 logues



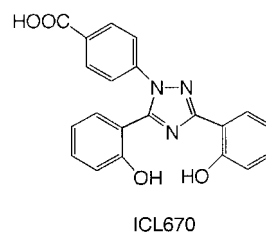
FULL PAPERS

- 4177** S. Steinhauser, U. Heinz, M. Bartholomä,
T. Weyhermüller, H. Nick,
K. Hegetschweiler*



Complex Formation of ICL670 and Related
Ligands with Fe^{III} and Fe^{II}

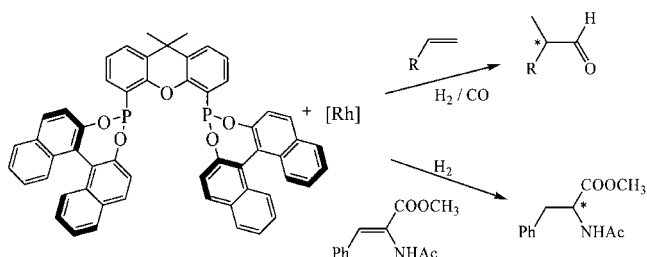
Keywords: Iron / Ligand design / Chelates / N,O
ligands / Redox chemistry



- 4193** J. I. van der Vlugt, J. M. J. Paulusse,
E. J. Zijp, J. A. Tijmenssen, A. M. Mills,
A. L. Spek, C. Claver, D. Vogt*

Coordination Chemistry and Asymmetric Catal-
ysis with a Chiral Diphosphonite

Keywords: Diphosphonite compounds / Asymmetric
hydrogenation / Palladium / Rhodium /
Asymmetric hydroformylation / Enantio-
selectivity

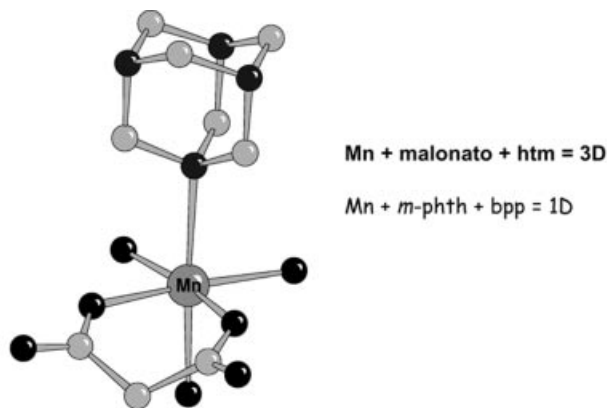


- 4202** S. Konar, S. C. Manna, E. Zangrando,
T. Mallah, J. Ribas,* N. Ray Chaudhuri*



Structural and Magnetic Properties of Two
Carboxylato-Bridged Manganese(II) Complexes
with N-Donor Coligands

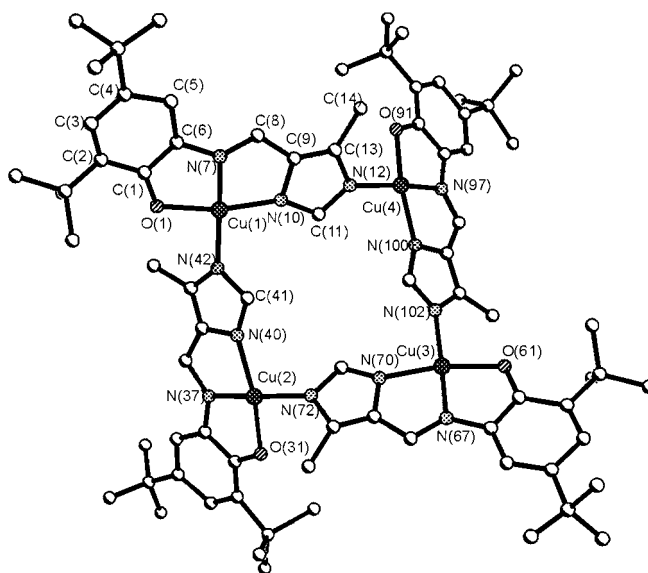
Keywords: Manganese(II) / Dicarboxylates / N-donor
ligands / Crystal structure / Magnetic study



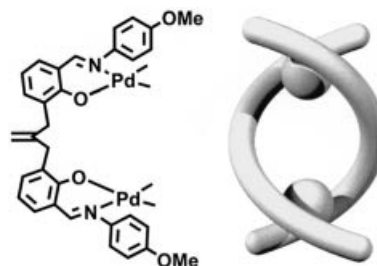
- 4209** S. Mukherjee, T. Weyhermüller, E. Bill,
P. Chaudhuri*

Tetranuclear Copper(II) and Nickel(II) Complexes
Incorporating a New Imidazole-Containing
Ligand

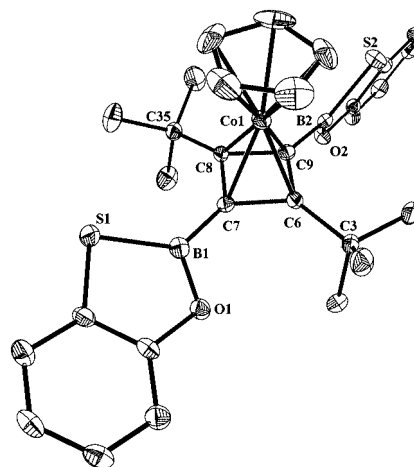
Keywords: Imidazolate bridging / Copper / Nickel /
Magnetic properties



4216

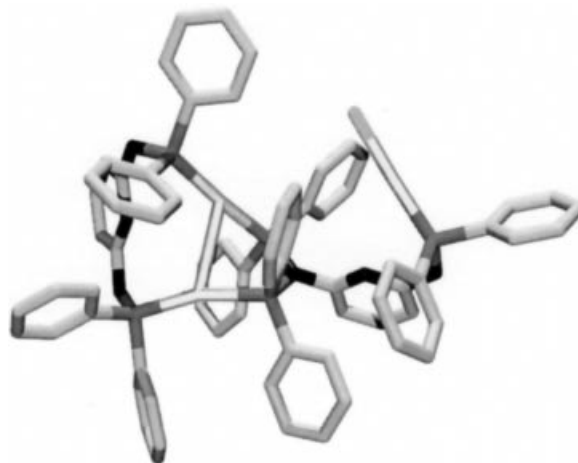
H. Houjou,* N. Schneider, Y. Nagawa,
M. Kanesato, R. Ruppert, K. HirataniNMR Observations of Interligand Interference
in the Molecular Motion of Double-Stranded
Dinuclear Helicates**Keywords:** DNA / Helical structures / NMR spec-
troscopy / Palladium / Schiff-base ligands

4223

A. Goswami, H. Pritzkow, F. Rominger,
W. Siebert*Synthesis, Structures and Reactivity of Mono-
and Diborylacetylenes**Keywords:** Alkynes / Boranes / Cobalt / Cyclooligo-
merization

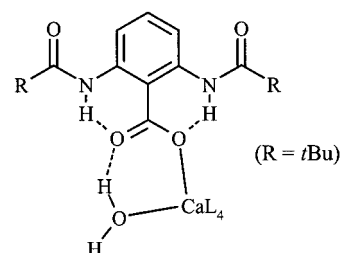
4232

N. Biricik, Z. Fei, R. Scopelliti, P. J. Dyson*

Isolation of an Intermediate during the Decompo-
sition of a Tetragold-Phosphane Complex**Keywords:** N,P Ligands / Diphosphanilamines / Gold
complexes

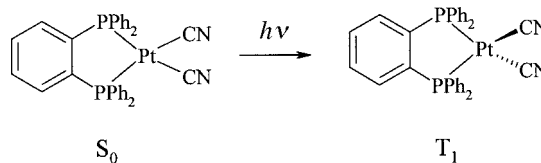
4237

J. D. Crane,* D. J. Moreton, E. Rogerson

Nonbridging and Monodentate Carboxylate Co-
ordination of Calcium(2+) Through the Use of
Intramolecular Hydrogen Bonding in a New
Sterically Hindered Carboxylate Ligand**Keywords:** Calcium / Hydrogen bonds / Carboxylate
ligands / Sterically hindered ligands

4242 V. Pawlowski, H. Kunkely, C. Lennartz,*
K. Böhn, A. Vogler*

Synthesis, Structure, Optical Properties and Theoretical Studies of $\text{Pt}(\text{P}-\text{P})(\text{CN})_2$ with $\text{P}-\text{P}$ = 1,2-Bis(diphenylphosphanyl)benzene and 2,2'-Bis(diphenylphosphanyl)-1,1'-binaphthyl – Luminescence from Metal-to-Ligand Charge Transfer and Intraligand States

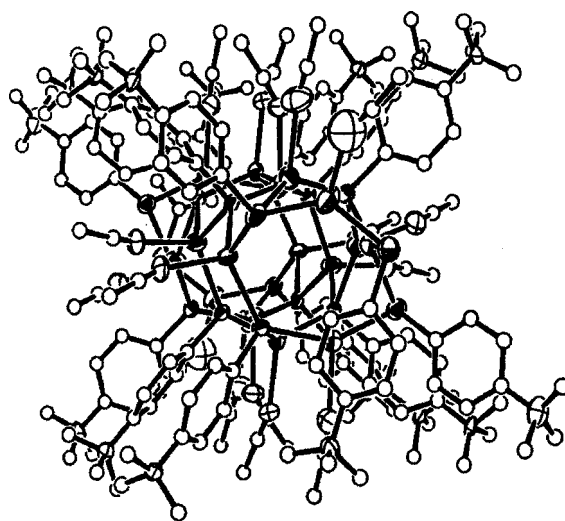


Keywords: Electronic spectra / Luminescence / Platinum complexes / Phosphane complexes / Quantumchemical calculations

4247 J.-X. Chen, Q.-F. Xu, Y. Xu, Y. Zhang,
Z.-N. Chen, J.-P. Lang*



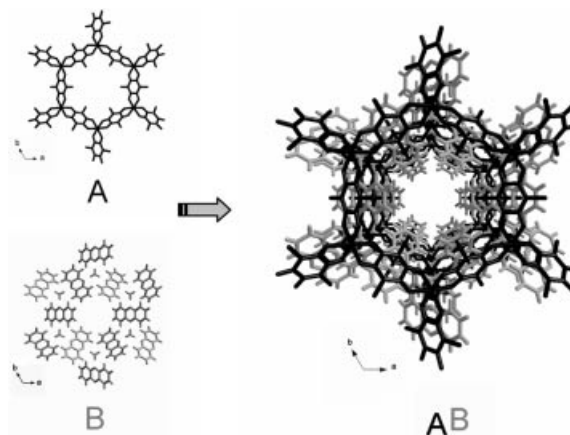
Solid-State Reactions of AgAc with TabHPF_6 at Room Temperature – Isolation and Structural Characterisation of an Unusual Octadecanuclear Silver Thiolate Cluster $[\text{Ag}_9(\text{Tab})_8(\text{MeCN})_8]_2(\text{PF}_6)_{18} \cdot 4\text{MeCN}$ [Tab = 4-(trimethylammonio)-benzenethiolate]



Keywords: Solid-state reactions / Thiolates / Silver / Clusters

4253 T.-T. Luo, Y.-H. Liu, H.-L. Tsai, C.-C. Su,
C.-H. Ueng,* K.-L. Lu*

A Novel Hybrid Supramolecular Network Assembled from Perfect $\pi-\pi$ Stacking of an Anionic Inorganic Layer and a Cationic Hydroxium-Ion-Mediated Organic Layer

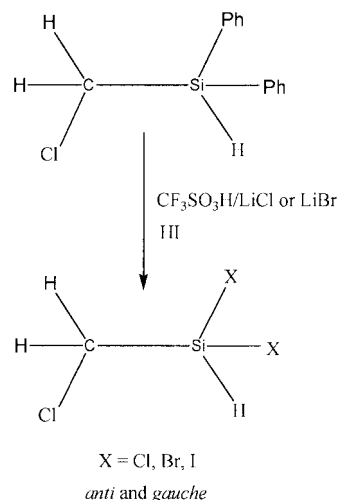


Keywords: Coordination polymers / Hydrogen bonds / Self-assembly / Stacking interactions

4259 K. Hassler,* R. Hummeltenberg, G. Tekautz

The (Chloromethyl)dihalosilanes X_2HSiCH_2Cl ($X = F, Cl, Br, I$): Synthesis, Multinuclear NMR Spectroscopy and Rotational Isomerism Examined by Raman Spectroscopy

Keywords: Infrared spectroscopy / NMR spectroscopy / Raman spectroscopy / Silanes / Synthesis

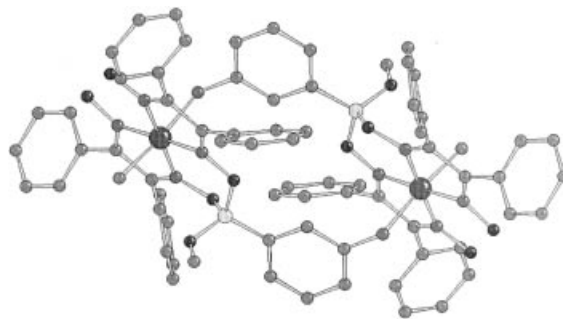


4266 R. Dreos,* G. Nardin, L. Randaccio,*
P. Siega, S. Scagliola, G. Tauzher



The Effect of the Steric Bulk of the Ligand on the Geometry of the Species Self-Assembled from Co^{III} Bis(dioximates) and Boronic Acids

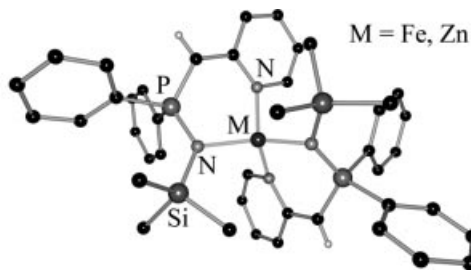
Keywords: Boronic acid / Cobalt / Dioximes / Self-assembly / Solid-state structures



4272 A. Murso, D. Stalke*

The C_α -Deprotonated Iminophosphorane $Ph_2P-(CH_2Py)(NSiMe_3)$ as an N,N -Chelating Ligand for Iron and Zinc

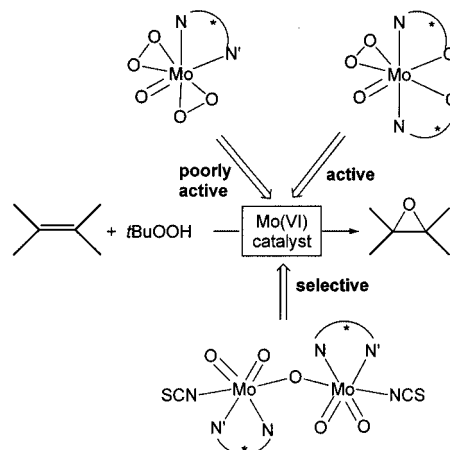
Keywords: Chelates / Hypervalent compounds / Iminophosphoranes / Iron / N ligands



4278 J. A. Brito, M. Gómez,* G. Muller,
H. Teruel,* J.-C. Clinet, E. Duñach,
M. A. Maestro

Structural Studies of Mono- and Dimetallic Mo^{VI} Complexes – A New Mechanistic Contribution in Catalytic Olefin Epoxidation Provided by Oxazoline Ligands

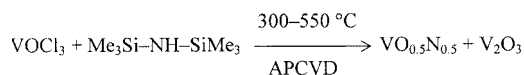
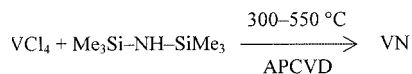
Keywords: Molybdenum / Chiral oxazolines / Selective epoxidation / Oxo peroxo complexes / Catalysis



4286 **A. Newport, C. J. Carmalt, I. P. Parkin,*
S. A. O'Neill**

Formation of VN from VCl_4 and $\text{NH}(\text{SiMe}_3)_2$ by APCVD – a Potential Solar Control Coating

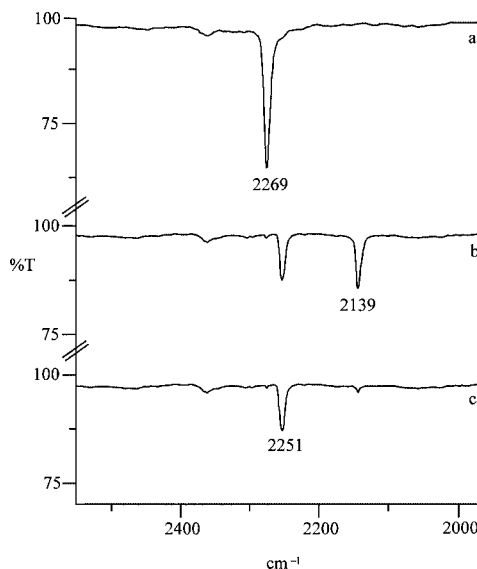
Keywords: Chemical vapour deposition / Nitrides / Solar control coatings



4291 **D. Sellmann, R. Prakash,* F. W. Heinemann**

Reactivity of a Thiolate-Bridged Dinuclear Ruthenium Complex with Nitrogenous Molecules: Spectroscopic Identification of a Labile Dinitrogen Complex

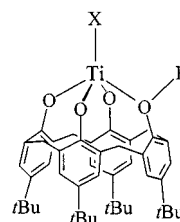
Keywords: N ligands / Nitrogenases / Nitrogen fixation / Ruthenium / S ligands



4300 **A. Friedrich, U. Radius***

A Calix[4]arene Monoalkyl Ether as a Model of a Tris(phenolate) Ligand with a Hemilabile Anisole Moiety: Syntheses, Molecular Structures and Bonding of Calix[4]arene Ether Supported Titanium Complexes and Their Catalytic Activity in Epoxidation Reactions

Keywords: Calixarenes / Density functional calculations / Epoxidation / Supported catalysts / Titanium

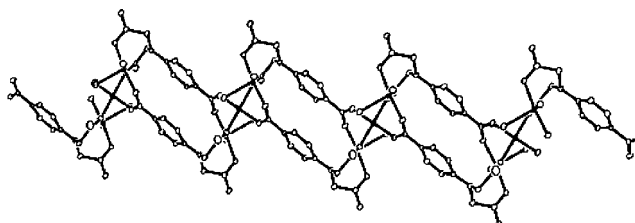


4317 **G.-P. Yong, Z. Y. Wang,* Y. Cui**



Synthesis, Structural Characterization and Properties of Copper(II) and Zinc(II) Coordination Polymers with a New Bridging Chelating Ligand

Keywords: Coordination polymers / Copper / N,O ligands / Zinc

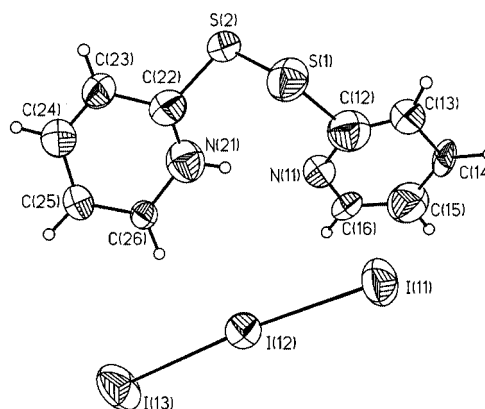


4324

C. D. Antoniadis, S. K. Hadjikakou,*
N. Hadjiliadis,* M. Kubicki, I. S. Butler

Synthesis, X-ray Characterisation and Studies of the New Ionic Complex [Bis(pyridin-2-yl) disulfide] Triiodide, Obtained by Oxidation of 2-Mercaptopyridine with I_2 – Implications in the Mechanism of Action of Antithyroid Drugs

Keywords: Bioinorganic chemistry / Iodine complexes / Polyiodides / S ligands / Crystal structures



4330

K. Müller-Buschbaum,* C. C. Quitmann

Homoleptic Rare-Earth Carbazolates and the Trends of Their $E_{Ln}^{II/III}$ Redox Potentials: Mixed-Valent Samarium in $[\text{Sm}_2(\text{Cbz})_5](\text{CbzH})$ (CbzH = carbazole) and Trivalent Thulium, Neodymium and Gadolinium in $[\text{Ln}_2(\text{Cbz})_6]$

Keywords: Solvent-free synthesis / Lanthanides / Carbazolates / N ligands

