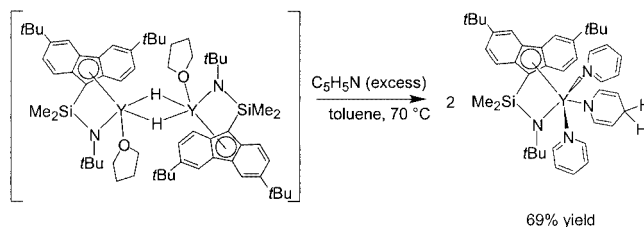


SHORT COMMUNICATIONS

943 E. Kirillov, C. W. Lehmann, A. Razavi,
J.-F. Carpentier*

$[\eta^5:\eta^1-(3,6-tBu_2Flu)SiMe_2NtBu]Y(\eta^1-NC_5H_6)-(py)_2$: A 1,4-Hydride-Addition Product to Pyridine that Provides Evidence for the First Fluorenyl(hydrido)metal (Group 3) Complex

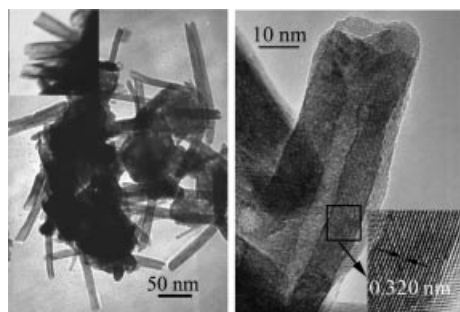
Keywords: Fluorenyl / Hydrides / Insertion / Pyridine / Yttrium



946 X. Wang, J. Zhuang, Y. Li*

Pr_6O_{11} Single-Crystal Nanotubes from a Molten-Salt Synthetic Method

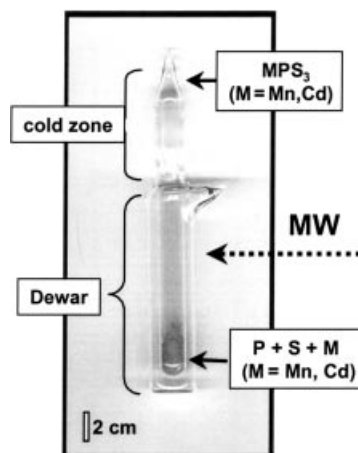
Keywords: Lanthanides / Molten salts / Nanotubes / Three-dimensional structures / X-ray diffraction



949 A. Villanueva, M. C. Morales-Varela,
E. Ruiz-Hitzky*

Microwave-Assisted Synthesis of MPS_3 Materials ($M = Mn, Cd$) Using a Dewar-Ampoule Device

Keywords: Transition metals / Microwave-assisted reactions / Layered compounds / Synthesis design / Solid-phase synthesis

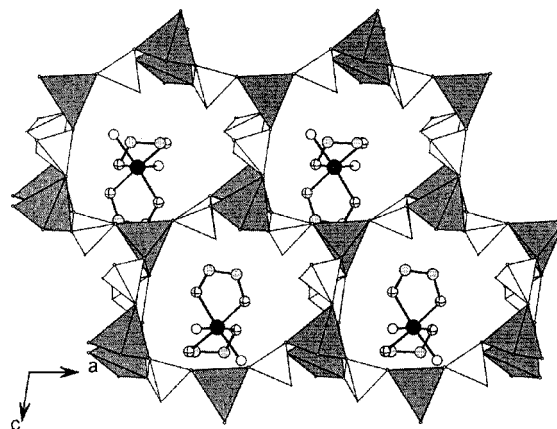


953 Z.-E. Lin, J. Zhang, S.-T. Zheng,
G.-Y. Yang*



A Novel Open-Framework Zinc Phosphite, $Zn_3(HPO_3)_4 \cdot Ni(en)_2(H_2O)_2$, Templated by a Transition-Metal Complex

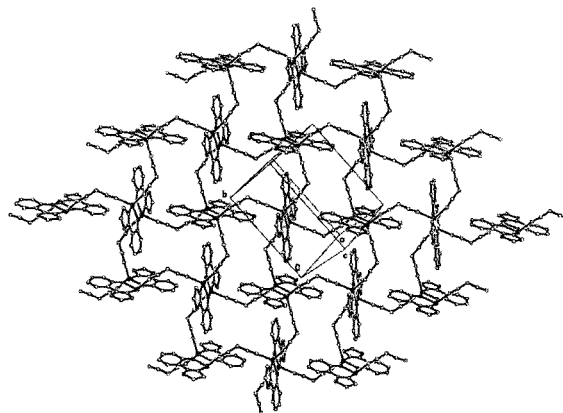
Keywords: Open framework / Inorganic solid / Zinc / Nickel / Template synthesis



956 J. Zhang, S. Gao,* C.-M. Che*

A Blue Photoluminescent 2-D Coordination Polymer Constructed by Dinuclear Zinc(II) Subunits $[\text{Zn}_2(\text{oz})_2]$ [$\text{Hoz} = 2\text{-(2'-Hydroxyphenyl)-2-oxazoline}$] and Dicyanamide

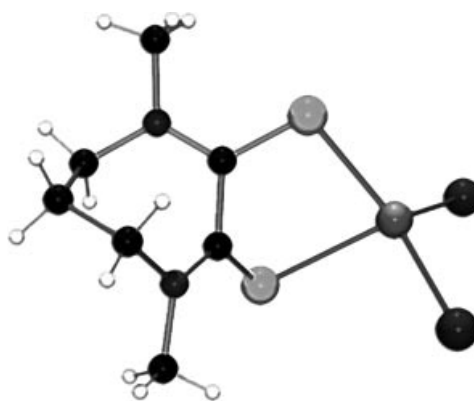
Keywords: Zinc / Photoluminescence / Dinuclear subunit / Polymer / Thermal stability



960 F. Bigoli, M. C. Cabras, P. Deplano,*
M. L. Mercuri, L. Marchió, A. Serpe,
E. F. Trogu

On the Use of the Bis(diiodine) Adduct of 1,4-Dimethylperhydro-1,4-diazepine-2,3-dithione (Me_2dazdt) to Recover Liquid Mercury Producing $[\text{Hg}(\text{Me}_2\text{dazdt})\text{I}_2]$ in a One-Step Reaction

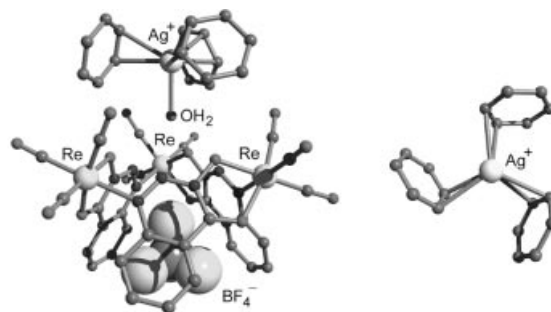
Keywords: Mercury / S ligands / Iodine / Adducts / Oxidation



964 T. Brasey, A. Buryak, R. Scopelliti,
K. Severin*

Synthesis of a Metallamacrocyclic $\text{Re}(\text{CO})_3$ Complex Using a Tridentate Bridging Ligand

Keywords: Host-guest chemistry / Metallamacrocycles / Rhenium / Silver

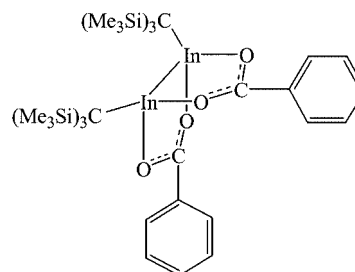


FULL PAPERS

969 W. Uhl,* A. El-Hamdan

Reactivity of Organoelement Subhalides of Gallium and Indium – Ga–Ga and In–In Bonds Bridged by Carboxylato Ligands

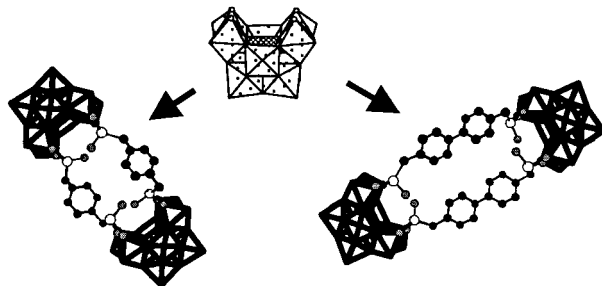
Keywords: Carboxylate ligands / Gallium / Indium / Subvalent compounds



973 C. R. Mayer,* M. Hervé, H. Lavanant,
J.-C. Blais, F. Sécheresse

Hybrid Cyclic Dimers of Divacant Heteropolyanions: Synthesis, Mass Spectrometry (MALDI-TOF and ESI-MS) and NMR Multinuclear Characterisation

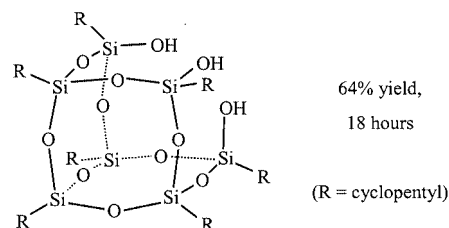
Keywords: Polyoxometalates / Bridging ligands / Mass spectrometry / Organic-inorganic hybrid composites



978 P. P. Pescarmona, J. C. van der Waal,
T. Maschmeyer*

Fast, High-Yielding Syntheses of Silsesquioxanes Using Acetonitrile as a Reactive Solvent

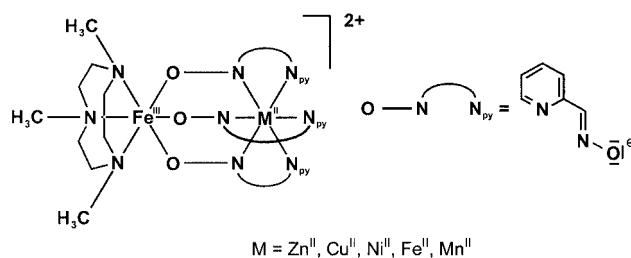
Keywords: Silsesquioxanes / NMR spectroscopy / Mass spectrometry / Solvent effects



984 S. Ross, T. Weyhermüller, E. Bill, E. Bothe,
U. Flörke, K. Wieghardt, P. Chaudhuri*

Asymmetric Heterodinuclear $\text{Fe}^{\text{III}}\text{M}^{\text{II}}$ ($\text{M} = \text{Zn}, \text{Cu}, \text{Ni}, \text{Fe}, \text{Mn}$), $\text{Co}^{\text{III}}\text{Fe}^{\text{II}}$ and $\text{Fe}^{\text{II}}\text{Co}^{\text{III}}$ Species: Synthesis, Structure, Redox Behavior, and Magnetism

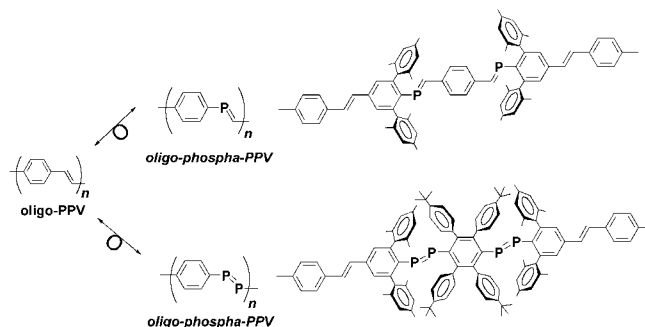
Keywords: Electrochemistry / Heterodinuclear complexes / Iron / Magnetic properties / Pyridine-2-aldoxime



998 R. C. Smith, J. D. Protasiewicz*

Systematic Investigation of PPV Analogue Oligomers Incorporating Low-Coordinate Phosphorus Centres

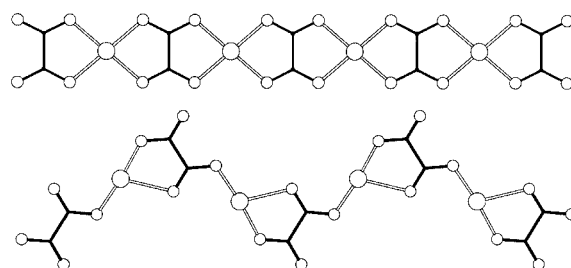
Keywords: Oligomers / Phosphorus / Phosphaalkenes



1007 T. D. Keene, H. R. Ogilvie,
M. B. Hursthouse, D. J. Price*

One-Dimensional Magnetism in New, Layered Structures: Piperazine-Linked Copper and Nickel Oxalate Chains

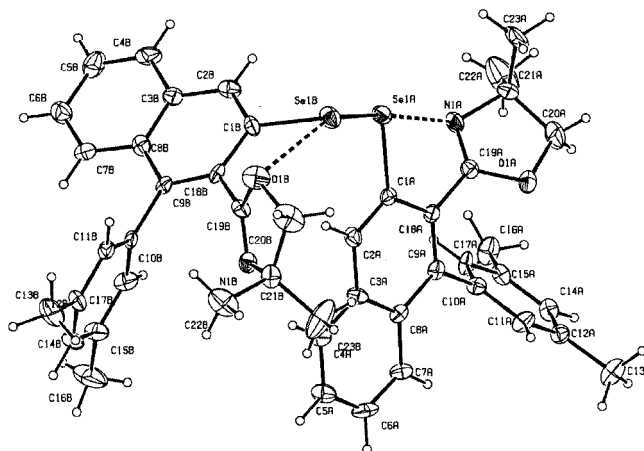
Keywords: Magnetic properties / Layered compounds / Hydrothermal synthesis / Coordination networks



1014 K. Kandasamy, S. Kumar, H. B. Singh,*
R. J. Butcher, K. T. Holman

Synthesis, Structural Characterization and Fluorescence Properties of Organoselenium Compounds Bearing a Ligand Containing Both Bulky and Nonbonding Groups – The First Observation of Both Intramolecular Se···N and Se···O Interactions in a Diselenide Structure

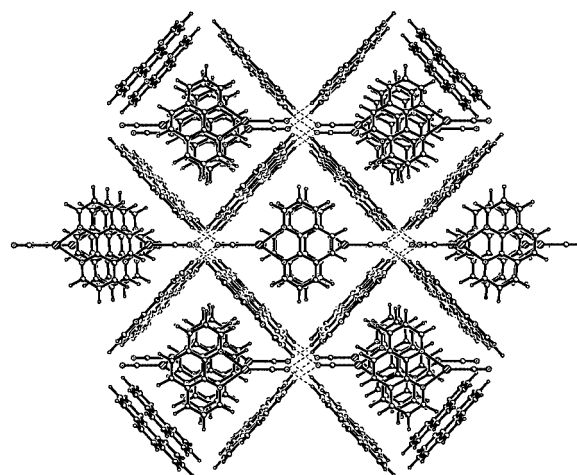
Keywords: Selenium / Intramolecular coordination / X-ray diffraction / Fluorescence



1024 X.-C. Huang, S.-L. Zheng, J.-P. Zhang,
X.-M. Chen*

Synthesis, Structure and Photoluminescent Studies of a Novel Supramolecular [Ag(phen)-(CN)]·(phen) Complex

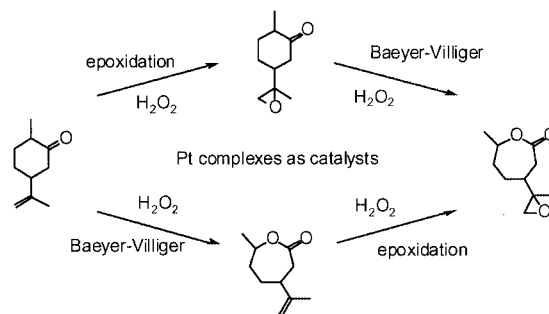
Keywords: Density functional calculations / N ligands / Pi interactions / Photoluminescence / Silver



1030 A. Brunetta, G. Strukul*

Epoxidation versus Baeyer–Villiger Oxidation: The Possible Role of Lewis Acidity in the Control of Selectivity in Catalysis by Transition Metal Complexes

Keywords: Lewis acids / Homogeneous catalysis / Oxidation / Peroxides

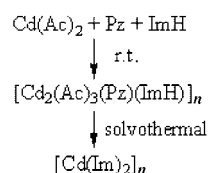


Can the Lewis acidity of the catalyst separate these steps?

1039 Y.-Q. Tian,* L. Xu, C.-X. Cai, J.-C. Wei,
Y.-Z. Li, X.-Z. You*

Determination of the Solvothermal Synthesis Mechanism of Metal Imidazoles by X-ray Single-Crystal Studies of a Photoluminescent Cadmium(II) Imidazolate and Its Intermediate Involving Piperazine

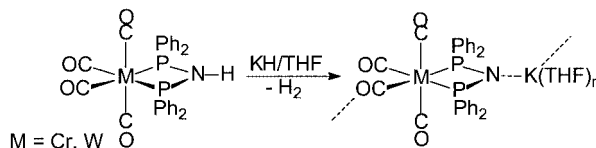
Keywords: Cadmium / Crystal engineering / Fluorescence / Nitrogen heterocycles / Zeolite analogues



1045 V. Kirin, P. W. Roesky*

Dinuclear Potassium-Chromium and Potassium-Tungsten Carbonyl Complexes

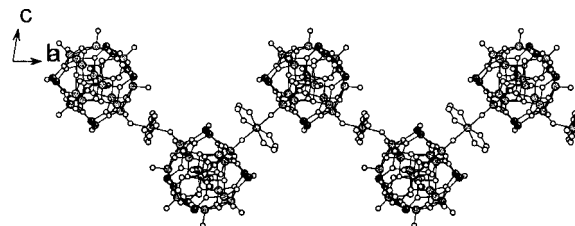
Keywords: Chromium / Coordination chemistry / N Ligands / Potassium / Tungsten



1051 X.-B. Cui, J.-Q. Xu,* Y. Li, Y.-H. Sun, G.-J. Yang*

Hydrothermal Synthesis and Characterization of a Novel Sinusoidal Layer Structure Constructed From Polyoxometalates and Coordination Complex Fragments

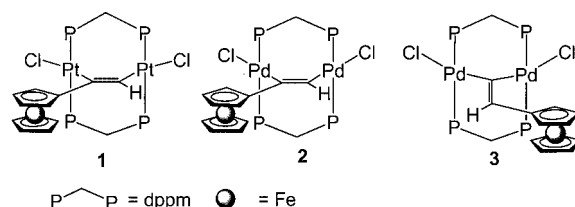
Keywords: Hydrothermal synthesis / Magnetic properties / Polyoxometalates / X-ray diffraction



1056 J. H. K. Yip,* J. Wu, K.-Y. Wong,* K. P. Ho, L. L. Koh, J. J. Vittal

Electronic Interactions in Dinuclear Platinum and Palladium Ethynylferrocene and Ferrocenyl-vinylidene Complexes

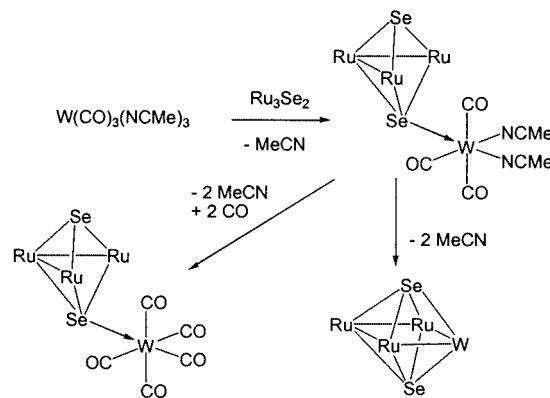
Keywords: Platinum / Palladium / Ferrocene / Alkenes



1063 D. Cauzzi, C. Graiff, R. Pattacini, G. Predieri,* A. Tiripicchio, S. Kahlal, J.-Y. Saillard

Cluster Growth Reactions with Selenido-Carbonyl Clusters – Synthesis, Characterisation and Theoretical Study of the Dimetallic *closo* Clusters $[\text{WRu}_3(\mu_4\text{-Se})_2(\mu\text{-CO})_4(\text{CO})_6(\text{L})_2]$ (L = Phosphane) and of the Donor-Acceptor Adduct $[(\text{CO})_5\text{W}(\mu_4\text{-Se})\text{Ru}_3(\mu_3\text{-Se})(\text{CO})_7\{\text{P}(\text{CH}_2\text{Ph})\text{-Ph}_2\}_2]$

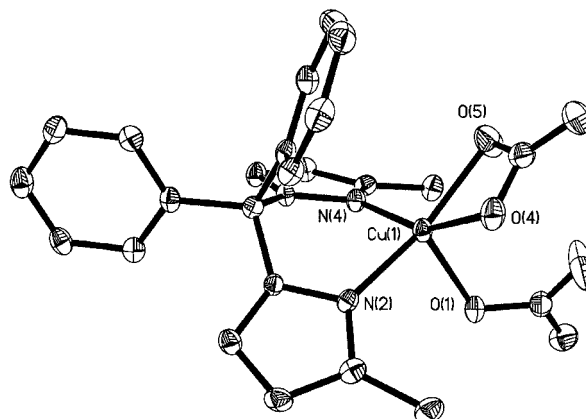
Keywords: Ruthenium / Tungsten / Molybdenum / Cluster compounds / Selenium



1073 J. L. Shaw, T. B. Cardon, G. A. Lorigan, C. J. Ziegler*

Synthesis and Characterization of a Series of (Diphenyldipyrzolylmethane)copper Complexes as Possible Precursors to Type I Blue Copper Protein Active Site Models

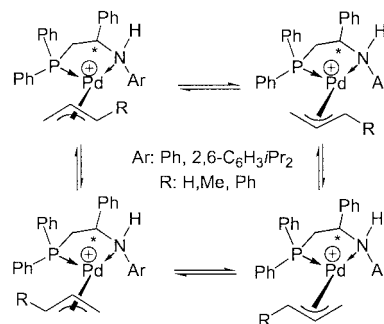
Keywords: Copper / N ligands / Pyrazolymethanes / Scorpionates



**1081 J.-M. Camus, J. Andrieu,* P. Richard,
R. Poli**

Allylpalladium(II) Complexes with Aminophosphane Ligands: Solution Behaviour and X-ray Structure of *cis*-[Pd(η^3 -CH₂CHCHPh){Ph₂P-CH₂CHPhNH(2,6-C₆H₃iPr₂)}][PF₆]

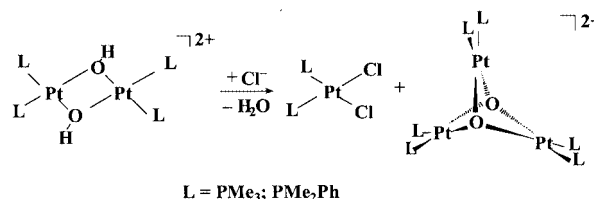
Keywords: Allyl ligands / N,P ligands / *syn-anti* exchange / Palladium



1092 B. Longato,* G. Bandoli, A. Dolmella

Hydroxo and Oxo Complexes of Platinum(II) Stabilized by Phosphanes: Synthesis and Characterization – X-ray Structures of *cis*-[L₂Pt-(μ -OH)]₂(NO₃)₂ (L = PMe₂Ph, PMePh₂) and [*cis*-(PMe₂Ph)₂Pt]₃(μ -O)₂Cl₂

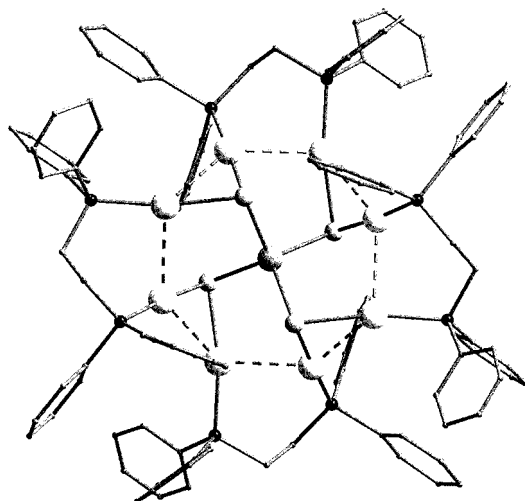
Keywords: Platinum / Oxo and hydroxo ligands / X-ray diffraction / Deprotonation reactions



**1100 J. Olkowska-Oetzel, P. Sevillano,
A. Eichhöfer, D. Fenske***

Binary and Ternary Cluster Complexes Containing Gold-Selenium, Gold-Indium-Selenium and Gold-Gallium-Tellurium – Synthesis and Structures of [Au₅Se₂(PPh₃)₄]Cl, [(Au₃Se)₂{Ph₂P-(CH₂)₆PPh₂}₃]Cl₂, [Au₁₀Se₄{Ph₂P(CH₂)₅PPh₂}₄]-InCl₅, [Au₄(SeInCl₃)₂{Ph₂P(CH₂)₅PPh₂}₂], [Au₂-(TeGaCl₃)₂{Ph₂P(CH₂)₆PPh₂}₂] and [Au₈Se₄In-{Ph₂P(CH₂)₂PPh₂}₄](InCl₄)₃

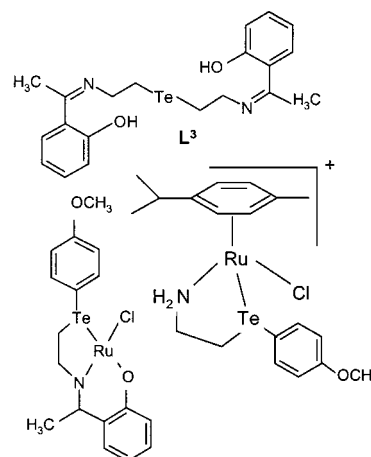
Keywords: Cluster compounds / Gallium / Gold / Indium / Selenium / Tellurium



**1107 R. Kumar P., A. K. Singh,* R. J. Butcher,
P. Sharma, R. A. Toscano**

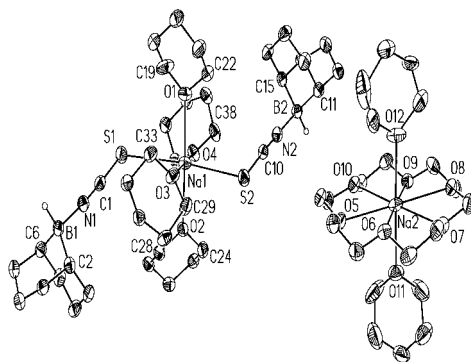
Tellurated Schiff Bases Formed from {2-[(4-Methoxyphenyl)telluro]ethyl}amine and Bis(2-aminoethyl) Telluride with *o*-Hydroxyacetophenone: Synthesis and Complexation Reactions with Hg^{II}, Pd^{II} and Ru^{II} – Crystal Structures of the Ligands, [Ru(*p*-cymene)Cl{H₂NCH₂CH₂-TeC₆H₄-4-OCH₃}]Cl·H₂O and [RuCl{4-Me-OC₆H₄TeCH₂CH₂NHCH(CH₃)C₆H₄-2-O⁻}]

Keywords: Schiff bases / Ruthenium / Tellurium / X-ray diffraction / Synthetic methods



Sodium Hydro(isothiocyanato)borates: Synthesis and Structures

Keywords: Crown compounds / Sodium / NMR spectroscopy / Borates



Nitrogen Trifluoride as a Bifunctional Lewis Base: Implications for the Adsorption of NF_3 on Solid Surfaces

Keywords: Ab initio calculations / Nitrogen trifluoride / Lewis bases / Isomeric structures

