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Nota di contenuto	INORGANIC SYNTHESES; CONTENTS; Chapter One TRANSITION METAL POLYHYDRIDE COMPLEXES; 1. Molecular Hydrogen Complexes of Mo and W; A. Tricarbonyl(dihydrogen)bis(tricyclohexylphosphine)-molybdenum; B. Tricarbonyl(q6-cycloheptatriene)tungsten; C. Tricarbonyl(dihydrogen)bis-(tricyclohexy1phosphine)tungsten; D. Tricarbonyl(dihydrogen)bis-(triisopropylphosphine)tungsten; 2. Molybdenum and Tungsten Phosphine Polyhydrides; A. Tetrahydridotetrakis(methyldiphenylphosphine)- molybdenum(IV); B. Tetrahydridotetrakis(methyldiphenylphosphine)- tungsten(IV) C. Hexahydridotris(dimethylphenylphosphine)tungsten(VI)D. Hexahydridotris(tricyclohexylphosphine)molybdenum(VI); 3. Haptahydridobis(triphenylphosphine)rhenium(VII) and Octahydridotetrakis(triphenylphosphine)dirhenium(IV); A. Heptahydridobis(triphenylphosphine)rhenium(VII); B. Octahydridotetrakis(triphenylphosphine)dirhenium(IV); C. Octahydridotetrakis(triphenylphosphine)dirhenium(IV); 4. Tetrahydrido (n5-pentamethylcyclopentadienyl)iridium 5. Tris[1,3-bis(diphenylphosphino)propane]- heptahydridotriiridium(2

+) Bis(tetrafluoroborate) and Bis[t,3-bis(diphenylphosphino)propane]-pentahydridodiiridium(1 +) TetrafluotoborateA. (q-I, 5-cyclooctadiene)[1, 3-Bis(diphenylphosphino)- propane]iridium Tetrafluoroborate; B. [Ir3(dppp)3H7[BF4]2 and [Ir2(dppp)2H5][BF4]; 6. Heterobimetallic Hydride Complexes; A. mer-Trichlorotris (dimethylphenylphosphine)osmium(III); B. Bis[1, 1(q5)-Cyclopentadienyl]-tris(dimethylphenylphosphine-2kP)-tri-u-hydrido1 - hydridoosmiumzirconium
C. [2(q4)-l, 5-Cyclooctadienel-tris(dimethylphenylphosphine- 1 kP)-tri-u-hydridoosmiumrhodium7. u-Hydrido-tetrakis(tertiary phosphine) diplatinum Cations; A. u-Hydrido-dihydridotetrakis(triethylphosphine)-diplatinum(I1) Tetraphenylborate(1 -); B. Di-u-hydrido-hydridotetrakis (triethylphosphine)-diplatinum(I1) Tetraphenylborate(1 -); C. Di-u-hydrido-hydridotetrakis(triphenylphosphine)-diplatinum(I1) Tetraphenylborate(1 -); Chapter Two TRANSITION METAL CHALCOGENIDE COMPLEXES; 8. Tetraphenylphosphonium Salts of [Mo2 (S)n(S2)6-n]2 - Thioanions and Derivatives
A. Bis(tetraphenylphosphonium) Tetrathiomolybdate(VI), (Ph4P)2[MoS4]
B. (Ph4P)2[(Mo2S10)0.72(Mo2S12)0.28]1/2HC0N(CH3)2; C. Bis (tetraphenylphosphonium) Di-u-thio-tetrathiodimolybdate(V), (Ph4P)2 [MO2S6]; D. Bis(tetraphenylphosphonium) (q2-Disulfido)- di-u-thio-trithiodimolybdate(IV, VI),; E. Bis(tetraphenylphosphonium) Bis(q2-disulfido)-di-u-thio-dit hiodimoly bdate(V), (Ph4P)2 [Mo2S8]; 9. Molybdenum-Sulfur Clusters; A. Diammonium Tris(u-disulfido)tris (disulfido)-u3-thio-rtianguto-trimolybdate(IV) Hydrate; B. Diammonium Bis(u-disulfido)tetrakis(disulfido)-dimolybdate(V) Dihydrate
C. Diammonium Tris(p-disulfido)tris(disulfido)-u3-thio- triangulo-trimolybdate(IV) Hydrate and Diammonium Bis(u-disulfido)-tetrakis (disulfido)dimolybdate(V) Dihydrate

Sommario/riassunto

The volumes in this continuing series provide a compilation of current techniques and ideas in inorganic synthetic chemistry. Includes inorganic polymer syntheses and preparation of important inorganic solids, syntheses used in the development of pharmacologically active inorganic compounds, small-molecule coordination complexes, and related compounds. Also contains valuable information on transition organometallic compounds including species with metal-metal cluster molecules. All syntheses presented here have been tested.