1. Record Nr. UNINA9910144313703321

Titolo	Inorganic syntheses . Volume XVII [[electronic resource] /] / editors, Aaron Wold, John K. Ruff
Pubbl/distr/stampa	New York, : McGraw Hill, 1977
ISBN	1-282-30595-6 9786612305955 0-470-13248-5 0-470-13283-3
Descrizione fisica	1 online resource (238 p.)
Collana	Inorganic syntheses ; ; 17
Altri autori (Persone)	WoldAaron <1927-> RuffJohn K
Disciplina	541.39 541/.39
Soggetti	Inorganic compounds - Synthesis Chemistry, Inorganic
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and and index.
Nota di contenuto	INORGANIC SYNTHESES Volume XVII; CONTENTS; Preface; Notice to Contributors; Chapter One METAL HYDRIDES; I. MAIN GROUP HYDRIDES (E. C. Ashby); 1. Magnesium Dihydride; 2. Zinc Dihydride; 3. Lithium Trihydridozincate(1-) and Lithium Tetrahydridozincate(2-); A. Lithium Trihydridozincate(1-); B. Lithium Tetrahydridozincate(2-); 4. Sodium Trihydridodimethyldizincate(1-) and Sodium Trihydridozincate(1-); A. Sodium Trihydridodimethyldizincate(1-); B. Sodium Trihydridozincate (1-); 5. Calcium Bis[tetrahydroborate(1-)]; 6. Quaternary Ammonium and Phosphonium Heptahydroborates A. Methyltriphenylphosphonium Tetrahydroborate(1-)B. Tetrabutylammonium Tetrahydroborate(1-); C. Methyltriphenylphosphonium Heptahydrodiborate(1-); D. Tetrabutylammonium Heptahydrodiborate(1-); 7. Potassium Tri(sec-butyl)hydroborate(l-); 8. Bis(dimethylamino)borane; 9. Bis-u-(dimethylamino)-diborane(6); 10. u-(Dimethylamino)-diborane(6); 11. Trihydrido(trimethy1amink)aluminum and (Diethy1amino) hydridoaluminum Complexes; A. Triliydrido(trimethylamine)aluminum;

B. (Diethylamino)dihydridoaluminum; C. Bis(diethylarnino) hydridoaluminum; 12. Trihydrido(trimethylarnine)galliurn
13. Lithium Tetrahydridogallate(1-)14. Sodium and Potassium Tetrahydridogallate(1-); II. TRANSITION METAL HYDRIDE COMPLEXES (Herbert D. Kaesz); 15. Hydrido Phosphine Arene Complexes of Molybdenum; A. Bis(n6-benzene)molybdenum; B. (n6-Benzene) dihydridobis(triphenylphosphine)molybdenum; C. (n6-Benzene)tris (dimethylphenylphosphine)hydridomolybdenum Hexafluorophosphate (1-); D. (n6-Benzene)tris(dimethylphenylphosphine) dihydridomolybdenum Bis[hexafluorophosphate(1-)]; 16. Bis [ethylenebis(diphenylphosphine)]hydrido(2,4-pentanedionato) molybdenum(II)
17. Tris(dimethylphenylphosphine)pentahydridorhenium(V)18. Dodecacarbonyltri-p-hydrido-triarigulo-trirhenium(I); 19. Bis [ethylenebis(diphenylphosphine)]hydridoiron Complexes; A. Chlorobis [ethylenebis(diphenylphosphine)]hydridoiron(II); B. Bis[ethylenebis (diphenylphosphine)]hydridoiron(II) Tetraphenylborate(1-); C. Bis [ethylenebis(diphenylphosphine)]hydridoiron(I); 20. Hydridonitrosyltris (triphenylphosphine)ruthenium(I); 21. Dihydridotetrakis (triphenylphosphine)ruthenium(II); 22. Hydrido[(n6-phenyl) diphenylxsphosphine]bis(triphenylphosphine)ruthenium(II) Tetrafluoroborate(1-)
23. (Acetato)hydridotris(triphenylphosphine)ruthenium(II)24. Hydridobis [(+)-dioplrhodium(1); 25. Nickel and Palladium Chlorohydridobis (phosphine) Complexes; A. trans-[Chlorohydridobis (tricyclohexylphosphine)nickel]; B. trans-[Chlorohydridobis (triisopropylphosphine)nickel]; C. trans-[Chlorohydridobis (tricyclohexylphosphine)palladium]; 26. Hydrido[tetrahydroborato(1-)] Nickel and Palladium Complexes; A. trans-[Hydrido[tetrahydroborato (1-)]bis(tricyclohexylphosphine)nickel]; B. trans-[Hydrido [tetrahydroborato(1-)]bis(tricyclohexylphosphine)palladium]
27. Bis(n5-cyclopentadienyl)[tetrahydroborato(1-)]titanium

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.