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Nota di contenuto	INORGANIC SYNTHESES; CONTENTS; Notice to Contributors.; Toxic Substances.; Chapter One MACROCYCLIC LIGANDS AND THEIR METAL COMPLEXES; 1. 5,7,7,12,14,14-Hexamethyl-1,4,8,11-tetraazacyclotetradeca-4,11-diene (5,7,7,12,14,14-Me6[14]-4,11-diene-1,4,8,11-N4) Complexes; A. 5,7,7,12,14,14-Hexamethyl-1,4,8,11-tetraazacyclotetraceca-4,11-diene Bis (trifluoromethanesulfonate).; B. 5,7,7,12,14,14-Hexamethyl-1,4,8,11-tetraazacyclotetraceca-4,11-diene Diperchlorate; C. [meso- and racemic-(5,7,7,12,14,14-hexamethyl-1,2,8,11-tetraazacyclotetradeca-4,11-diene)] nickel(II) Perchlorate D. Bis(acetonitrile)(5,7,7,12,14,14-hexamethyl-1,4,8,11-tetraazacyclotetradeca-4,11-diene)iron(II) Trifluoromethanesulfonate2. 5,5,7,12,12,14-Hexamethyl-1,4,8,11-tetraazacyclotetradecane (5,5,7,12,12,14-Me6[14]ane-1,4,8,11-N4) Complexes; A. meso- and racernic-(5,5,7,12,12,14-Hexamethyl-1,4,8,11-tetraazacyclotetradecane) Hydrate; B. [meso-(5,5,7,12,12,14-Hexamethyl-1,4,8,11-tetraazacyclotetradecane)]-nickel(II) Perchlorate; C. Dibromo [rneso-(5,5,7,12,12,14-hexamethyl-1,4,8,11-

tetraazacyclotetra-decane)] cobalt(III) Perchlorate
D. Bis(acetonitrile) [meso-(5,5,7,12,12,14-hexamethyl-1,4,8,11-tetraazacyclo tetradecane)] iron(II) Trifluoromethanesulfonate3. 2,12-Dimethyl-3,7,11,17-tetraazabicyclo[11.3.1] heptadeca-1(17), 2,11,13,15-pentaene (2,6-Me2-2',6':3,5-Pyo[14]-1,3,6-triene-1,4,7,11-N4) Complexes; A. (2,12-Dimethyl-3,7,11,17-tetraazabicyclo [11.3.11] heptadeca-1(17),2,11,13,15-pentaene)nickel(II) Perchlorate; B. Bromo(2,12-dimethyl-3,7,11,17-tetraazabicyclo[11.3.11] heptadeca-1(17),2,11,13,15-pentaene)cobalt(II) Bromide Monohydrate C. Dibromo(2,12-dimethyl-3,7,11,17-tetraazabicyclo[11.3.11] heptadeca-1(17),2,11,13,15-pentaene)cobalt(III) Bromide Monohydrate4. 2,3,9,10-Tetramethyl-1,4,8,11-tetraazacyclotetradeca-1,3,8,10-tetraene(2,3,9,10-Me4[14]-1,3,8,10-tetraene-1,4,8,11-N4) Complexes; A. (2,3,9,10-Tetramethyl-1,4,8,11-tetraazacyclotetradeca-1,3,8,10-tetraene)nickel(II) Perchlorate; B. Bis(isothiocyanato)(2,3,9,10-tetramethyl-1,4,8,11-tetraazacyclotetradeca-1,3,8,10-tetraene)nickel (II); C. Dibromo(2,3,9,10-tetramethyl-1,4,8,11-tetraazacyclotetradeca-1,3,8,10-tetraene)cobalt(III) Bromide
5. 2,3-Dimethyl-1,4,8,11-tetraazacyclotetradeca-1,3-diene(2,3-Me2 [14]-1,3-diene-1,4,8,11-N4)ComplexesA. (2,3-Dimethyl-1,4,8,11-tetraazacyclotetradeca-1,3-diene)nickel(II) Tetrachlorozincate(2-); B. Dibromo(2,3-dimethyl-1,4,8,11-tetraazacyclotetradeca-1,3-diene)-cobalt(III) Perchlorate; 6. Tetrabenzo[b,f,j,n][1,5,9,13] tetraazacyclohexadecine(2,3; 6,7; 10,11; 14,15-Bzo[16] octaene-1,5,9,13-N4) Complexes; A. (Tetrabenzo[b,f,j,n][1,5,9,13] tetraazacyclohexadecine)nickel(II) Perchlorate; B. Bis(isothiocyanato) (tetrabenzo[b,f,j,n][1,5,9,13] tetraazacyclohexadecine)nickel(II) C. (Tetrabenzo[b,f,j,n][1,5,9,13] tetraazacyclohexadecine)copper(II) Nitrate

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.