

Co-ordination chemistry of tellurium and related selenium ligands.

Aston University. Department of Chemical Engineering and Applied Chemistry - The Chemistry of Selenium and Tellurium

The Chemistry of Organic Selenium and Tellurium
Comprehensive Selenium and Tellurium
© 1995 John Wiley & Sons Ltd

CHAPTER 18

Ligand properties of organic selenium and tellurium compounds

HENRY J. GYLSING
Research Laboratories, Eastman Kodak Company, Rochester, New York 14650, USA

I. INTRODUCTION	609
A. Abbreviations	611
B. ORGANOSELENIUM LIGANDS	611
1. Neutral Monodentate Ligands	611
2. Selenones	611
3. Organoselenides (SeR ₂ ; R = alkyl, aryl)	611
4. Organoselenic acid derivatives (SeO ₂ R ₂)	611
5. Selenic acid derivatives (HSeO ₃ and related ligands (HSeO ₃); S = P	611
6. Se(IV) (R = Ge, Sn, Pb)	611
7. Selenoetheral compounds (Se = C=O)	611
8. Organoselenoxides (Se=O)	611
9. Selenoetheral compounds (Se=O) complexes (M=OSeR ₂)	611
10. Macrocyclic ligands	611
C. Anionic Monodentate Ligands	611
1. Selenosulfonates	611
2. Selenates (SeO ₄ ²⁻)	611
3. Selenites (SeO ₃ ²⁻)	611
4. Selenosulfonates (SeO ₃ ²⁻)	611
5. Organoselenates (SeO ₄ ²⁻)	611
6. Organoselenites (SeO ₃ ²⁻)	611
7. Organoselenosulfonates (SeO ₃ ²⁻)	611
C. Neutral Bidentate Ligands	611
1. Se-C-Se	611
2. Chelate complexes	611
3. Chelate complexes	611
4. Selenodithiolate complexes	611

Description: -

-co-ordination chemistry of tellurium and related selenium ligands.

-co-ordination chemistry of tellurium and related selenium ligands.

Notes: Thesis (Phd) - Aston University, 1990.

This edition was published in 1990



Filesize: 31.29 MB

Tags: #Chemistry #of #selenium #and #tellurium #with #tetrachelate #and #macrocyclic #ligands

Reactions of directly related tellurium and selenium heterocyclic compounds with triiron dodecacarbonyl — Aston Research Explorer

Minerals that are pure selenide or selenate compounds are known but rare. Ward, Organometallics, 2001, 20, 3644.

Redox and Related Coordination Chemistry of PNP

Also, people dependent on food grown from selenium-deficient soil are at risk.

Novel Coordination Pattern of Dithiophosphorus Ligands. Crystal and Molecular Structure of (Diphenylphosphinodithioato)phenyltellurium(II), PhTeS₂PPh₂. Supramolecular Association through Monodentate Biconnective Dithiophosphorus Ligands

Selenium pollution is impacting oceans across the world and is mainly caused by anthropogenic factors such as farming runoff and industrial processes. Journal of Coordination Chemistry 1994, 31 1, 19-30.

Multidentate and macrocyclic organoselenium and tellurium ligands

Crystal Structure Determination English ed. The diphenylselenium and diphenyltellurium dihalides are still less readily dissociated than the tetrahalides. Files available from the ACS website may be downloaded for personal use only.

Related Books

- [Investigation into changes in brain nucleic acid composition and protease activities in response to](#)
- [NASA Geodynamics Program summary report: 1979-1987 - progress and future outlook.](#)
- [Aktionsplan gegen den wissenschaftlichen Antisemitismus - Als Manuskript](#)
- [Zemliaki - Tŭgra v litsakh i sud'bakh](#)
- [Plotinus on number](#)