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Heteronuclear Palladium and Tin Complexes

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Abstract

Equilibrium states in solutions containing palladium(II) and tin(II) chlorides widely used as catalytic systems are studied. The intricate and labile character of heteronuclear palladium and tin complexes formed in these solutions is noted. In these complexes, palladium and tin are involved in direct or indirect metal-metal bonds, and they can be in different oxidation states. The nature of the metal-metal bond and the metal oxidation state significantly influence the redox properties and catalytic activity of these complexes.
