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Metal-complex surfaces based on aurophylic terpyridines and their coordination compounds with Rh(III) and Ru(II)

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Abstract

Complexing reactions of ligands of terpyridine series, having in their content aurophylic thiol or sulfide moiety, with RuCl₃ and RhCl₃ have been studied. The possibility of the formation of metal complex surfaces on the basis of coordination compounds on the surface of gold electrodes has been shown. The nature of the aggregation of gold nanoparticles under the influence of solutions of complex compounds aurophylic terpyridines with Ru(II) has been established.