The invention relates to chemistry and medicine, and concerns a series of biologically active coordination compounds of copper of the class of transition metal thiosemicarbazidates. These complexes exhibit high bacteriostatic and bactericidal activity against gram-positive microorganisms and due to these properties can be used in medicine and veterinary medicine as antimicrobial drugs.

Summary of the invention consists in producing coordination compounds I-III of copper(II) sulfate with 2-(2-hydroxybenzylidene)-N-(2-methoxyphenyl)hydrazinecarbothioamide (I), 2-(2-hydroxybenzylidene)-N-(3-methoxyphenyl)hydrazinecarbothioamide (II) and 2-(2-hydroxybenzylidene)-N-(4-methoxyphenyl)hydrazinecarbothioamide (III) of general formula:



The result of the invention consists in the synthesis of a series of complexes exhibiting high bacteriostatic and bactericidal antimicrobial activity against gram-positive microorganisms.

Claims: 2