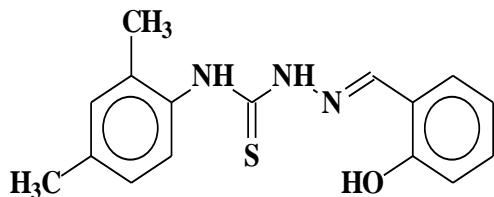


The invention relates to chemistry and medicine, namely to the use of a biologically active organic compound from the class of thiosemicarbazones, which exhibits a high bactericidal and bacteriostatic activity against *Candida albicans*, and may find application in medicine and veterinary medicine for the prophylaxis and treatment of mycoses.

Summary of the invention consists in the use as a *Candida albicans* kind fungi proliferation inhibitor of N-(2,4-dimethylphenyl)-2-(2-hydroxybenzylidene)-hydrazinecarbothioamide of formula:



At the same time, said thiosemicarbazone exhibits at the same time a bacteriostatic antimicrobial activity 2-fold higher compared to *Staphylococcus aureus* and 4...17 times higher compared to *Escherichia coli*, *Klebsiella pneumoniae* and *Pseudomonas aeruginosa* as compared to the reference methyl N'- [(2-hydroxynaphthalene-1-yl)methyl-idene]-N-(prop-2-en-1-yl)-hydrazinecarbimido-thioate compound.

Claims: 1