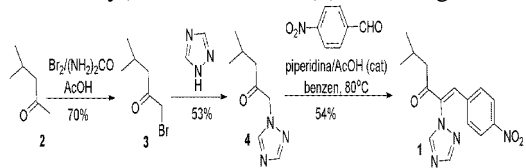


The invention relates to organic chemistry, namely to a new compound (*Z*)-5-methyl-1-(4-nitrophenyl)-2-(1*H*-1,2,4-triazol-1-yl)hex-1-en-3-one, possessing antifungal properties and can be used in the development of new antifungal agents for medicine and veterinary medicine or fungicidal products for plant protection.

Summary of the invention consists in the stereoselective synthesis of (*Z*)-5-methyl-1-(4-nitrophenyl)-2-(1*H*-1,2,4-triazol-1-yl)hex-1-en-3-one (1) according to the reaction scheme:



The compound (1) is 10...40 times more active than the reference fungicides – ketoconazole and bifunazole, in relation to *Aspergillus fumigatus*, *A. versicolor*, *A. ochraceus*, *A. niger*, *Trichoderma viride*, *Penicillium funiculosum*, *P. ochrochloron*, *P. verrucosum* var. *cyclopium* fungi.

Claims: 3