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Synthesis and antimicrobic activity of 5-aril-4-aroil-3-hydroxy-1-[2-(2-hydroxyetoxy)ethyl]-3-pirrolin-2-ones

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Abstract

The 5-aril-4-aroil-3-hydroxy-1-[2-(2-hydroxyethoxy)ethyl]-3-pyrrolin-2-ones have been received by the interaction 2-(2-aminoethoxy)ethanol with mixtere of aromatic aldehyde and methyl esther the aroilpyrivic acids. Antimicrobic activity of the synthesized compounds has been studied. Structure of the received 5-aril-4-aroil-3-hydroxy-1-[2-(2-hydroxyethoxy)ethyl]-3-pyrrolin-2-ones was proved on the basis of spectroscopy ^{1}H NMR.