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Synthesis of 5-aryl-4-acyl-1-(3-hydroxypropyl)-3-hydroxy-3-pyrroline-2-ones

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Abstract

By intereaction of the methyl esteres of acyl- and aroulpyruvic acids from a mixture of aromatic aldehyde and 3-aminopropanol we obtained 5-aryl-4-acyl-1-(3-hydroxypropyl)-3-hydroxy-3-pyrroline-2-ones. The structures of all synthesized compounds was proved by IR, NMR ¹H spectroscopy.