

Synthesis of 1,5-diarylpyrrolidine-2,3-diones and their 3-arylamino derivatives

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Abstract

Intereaction of the ethyl pyruvate with a mixture of aromatic aldehyde and arylamine obtained 3-arylamino-1,5-diarylpyrrolidin-2-ones, hydrolysis of latters leads to 1,5-diarylpyrrolidin-2,3-diones. Intereaction 1,5-diarylpyrrolidin-2,3-diones with arylamines has been studied. The structures of all synthesized compounds was proved by IR, NMR ¹H spectroscopy.