

Synthesis of Chalcones on the Basis of Pyridin-2(1*H*)-one

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Abstract—Pyridin-2(1*H*)-one derivatives form chalcones in the Claisen–Schmidt condensation with aromatic and heteroaromatic aldehydes in the presence of bases. For various aldehydes and pyridinones, four main methods are developed. They allow expected chalcones to be prepared in the highest yields.

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