



Research Article



An efficient green synthesis of substituted indolin-2-one derivatives using Piperidine catalyzed Henry reaction of isatins

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ABSTRACT

An efficient method has been developed for the synthesis of 3-hydroxy-3-(nitro methyl) indolin-2-one by performing the reaction between isatin and nitro methane or nitroetane in the presence of piperidine as a catalyst. The reaction is rapid; yields are soaring and shun the use of solvents for reaction. The protocol is applicable for substituted isatins as well as substituted nitroalkanes.

Keywords: Indoline, isatin, nitroalkanes, Piperidine, Henry reaction.

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