
Synthesis of novel polyhydro spiro[indolin-pyrido pyrimidine] compounds

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Abstract Uracil and its derivatives, such as pyrido[2,3-d]pyrimidines, have received considerable attention over the past years because of their biological activities. Several synthetic methodologies for the synthesis of pyrido[2,3-d]pyrimidine derivatives have been reported. In this research, we wish to report a convenient and facile multicomponent synthesis of some novel spiro[indoline/pyrido-pyrimidine] derivatives by reaction of N,N-dimethyl uracil, isatin derivatives, and Methyl cyano acetate or barbituric acid. The operational simplicity, high yields, and facile work-up procedures are advantages of this methodology.

Keywords : Keywords: Spiro[indoline/pyrido-pyrimidine], uracil, isatin, pyrimidine.

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