

One-pot Green Synthesis for Pyrimido[4,5-*d*]pyrimidine Derivatives

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Water has been used efficiently as a solvent for the reaction of barbituric acid, aldehyde and urea or thiourea to yield pyrimido[4,5-*d*]pyrimidines. This environmentally benign procedure leads to high yields of products of greater purity in a single step using water.

Key words: Barbituric Acid, Pyrimido[4,5-*d*]pyrimidines, Water, Multicomponent Reaction