

5-Aminouracil as a Building Block in Heterocyclic Synthesis: Part IV. One-pot Synthesis of 1*H*-Pyrrolo[2,3-*d*]pyrimidine-2,4(3*H*,7*H*)-dione Derivatives Using Controlled Microwave Heating

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An efficient and direct procedure for the synthesis of pyrrolo[2,3-*d*]pyrimidine-2,4-dione derivatives using controlled microwave heating has been described. The products were characterized by elemental analyses, IR, ¹H NMR, ¹³C NMR and MS spectra.

Key words: 5-Aminouracil, Dimedone, Barbituric Acid, Thiobarbituric Acid, Controlled Microwave Heating, One-pot Synthesis, Pyrrolo[2,3-*d*]pyrimidine-2,4-dione