

Synthesis and Characterization of Some Fluorinated Heterocycles Like Pyrazolines by Environmentally Benign Process

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Abstract: Halogenated heterocycles like Pyrazolines shows marked biological activities. 4-fluorobenzaldehyde **1** when treated with substituted hydroxy acetophenones **2** under ultrasonication yields chalcones **3**. These chalcones were subjected with phenyl hydrazine under Ultrasonication gave the compound 5-(4- fluorophenyl)-1,3-diphenyl-4,5-dihydro-1H-pyrazole **4**. On the basis of spectral data, the structures of compounds have been constructed..

Keywords: Fluorinated heterocycles; pyrazolines, Green method

