



SYNTHESIS AND CHARACTERIZATION OF NOVEL HETEROCYCLIC MOLECULES

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Abstract:

The efficient synthesis of novel thiazole and triazole derivatives (3a-3e) has been established by the reaction of p-hydroxy benzoic acid and thiosemicarbazide in the presence of sulphuric acid and sodium hydroxide to yield substituted triazole and thiazole derivatives which on treatment with aryl aldehydes and sulphuric acid forms Schiff Bases. Structures of the synthesized compounds had been elucidated on the basis of spectral data.

Keywords: Triazoles, Thiazoles, Schiff bases, Thiosemicarbazide
