



Synthesis and Spectral Characterization of Schiff Base of 4-Amino-3,5-Dimethyl Isoxazole

Garima Shrivastava* and Manjul Shrivastava

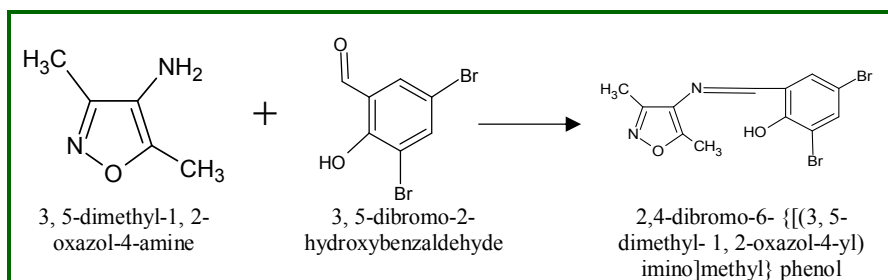
Department of Chemistry, Govt. M.H. College of Home Science for Women,
Napier Town, Jabalpur, Madhya Pradesh, **INDIA**
Email: Soumyagarima168@gmail.com

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ABSTRACT

Microwave assisted synthesis are less energy consuming than conventional method and are rapidly becoming popular as green and sustainable alternative to conventional processes. The present paper deals with the microwave assisted synthesis of Schiff base (2, 4-dibromo-6-[(3, 5-dimethyl-1, 2-oxazol-4-yl)imino]methyl} phenol) by reaction of 4-amino-3,5-dimethyl isoxazole with 3,5-dibromo-salicylaldehyde in ethanol. The structural features of the synthesized compound were confirmed by their physical properties and infrared, electronic elemental analysis MS-mass and ¹HNMR spectroscopic techniques.

Graphical Abstract



Schematic diagram of Synthesis of Schiff base of 4-amino 3, 5 dimethyl isoxazole

Keywords: Microwave irradiation, Conventional, Schiff base, Ligand.