

Synthesis of Imidazole by Using Different Schiff's Base

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Abstract: *The new Schiff bases are synthesis from various and aldehyde and amine under magnetic stirrer method. And the Schiff base are yellow colour solid and having sharp melting point and insoluble in organic solvents. The naturally occurring five-member imidazole derivatives have shown interesting biological as well as physiochemical properties and consequently they have found several chemicals, optical, pharmaceutical, and other useful biological applications. The interesting biological properties and wide applications of polyfunctionalized imidazole molecules attract researchers to develop novel strategies for the synthesis of polyfunctionalized imidazole moieties. As a result, several research articles have been published in the literature. In this review article, we have disclosed various applications as well as the traditional and modern green approaches for the synthesis of imidazole derivatives including conventional synthesis, microwave-assisted synthesis, ultrasound promoted synthesis, and synthesis under green catalyst or a without catalyst. The most of the traditional methods of imidazole synthesis, there is no requirement of high pressure, energy, temperature, or toxic chemicals. However, the modern methods are accomplished through catalyst- and solvent-free conditions with high purity and excellent yields of the products.*

Keywords: New Schiff bases, sharp melting point, yellow solid colour. One-pot multicomponent reaction.

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