

Molecular Iodine Assisted Green Synthesis of Benzimidazoles

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Abstract: *Green synthesis of 2-substituted Benzimidazoles in the presence of molecular iodine(10mol%) the mixture of o-phenylenediamine in I_2 was added benzoyl chloride at room temperature and reaction mixture was grind at room temperature after 20 minutes reaction was completed. The reaction gives high yield. The short reaction time, clean reaction, and easy workup make this protocol green and efficient.*

Keywords: Benzimidazoles, molecular iodine, room temperature, green synthesis

