



ChemTech

International Journal of ChemTech Research

CODEN (USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555
Vol.12 No.04, pp 271-276, 2019

Synthesis and Pharmacological Screening of 2-Substituted Benzimidazole Derivatives

Kane SR*, Jadhav RT, Jadhav SA, Jarag SS, Kadam SK

Rajarambapu College of Pharmacy, Kasegaon – 415404, MH, India

Abstract : The methods for the synthesis of benzimidazoles have become a focus of synthetic organic chemists, as they are useful building blocks for the development of important therapeutic compounds in medicine. Confirmation of the chemical structure of the novel synthesized compound benzimidazole was substantiated by TLC, different spectral IR data. The synthesized compounds were evaluated for in-vitro antimicrobial and against *Staphylococcus aureus* and *Escherichia coli*. The compounds exhibited weak, moderate, or high in-vitro antimicrobial activity. It may be the medicine to prevent and treat many bacterial diseases.

Keywords : Benzimidazole, Antibacterial; activity, *S. aureus* and *E. coli*.

Kane SR *et al* / International Journal of ChemTech Research, 2019,12(4): 271-276.

DOI= <http://dx.doi.org/10.20902/IJCTR.2019.120432>
