



Synthesis, Characterization and Biological Evaluation of Novel Sulfonamides Containing N-((1-Alkyl-5-(Substituted Phenyl)-1H-Benzo[D]Imidazol-2-Yl) Methyl) Substituted Aryl/Alkyl Sulfonamide Derivatives

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Accepted on 20th September 2017, Published online on 27th September 2017

ABSTRACT

A series of novel N-((1-alkyl-5-(substituted phenyl)-1H-benzo[d]imidazol-2-yl) methyl) substituted aryl/alkyl sulfonamide derivatives were synthesized for evaluation of their antimicrobial activity. The newly synthesized compounds were characterized by spectroscopic studies such as ¹H NMR, Mass spectroscopy. All the synthesized compounds were screened for their in vitro antimicrobial activity. Some of the compounds showed good biological activity.

Keywords: Antimicrobial activity, 1-ethyl-5-(4-fluorophenyl)-1H-benzo[d]imidazol-2-yl) methanamine.
