



***In vitro* Antimicrobial Activity of Schiff Bases Synthesized from Pyridinamine Derivative and Aryl Aldehydes**

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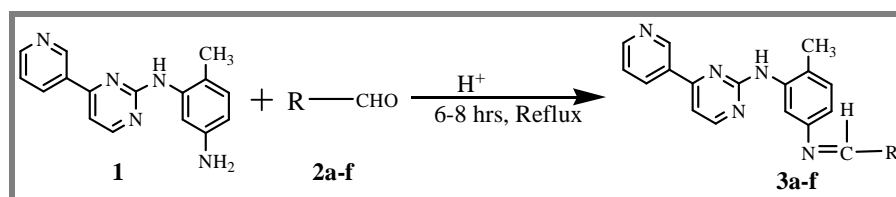
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ABSTRACT

A series of new Schiff bases, **3(a-f)** were synthesized by the reaction of pyrimidinamine derivative with various aryl aldehydes in order to determine their *in vitro* antimicrobial activities against clinically isolated strains. The chemical structures were confirmed by UV-visible, FT-IR and ¹H NMR spectral studies. Among the series, compounds **3c** and **3d** showed significant antimicrobial activity compared to other compounds against bacterial and fungal strains tested.

Graphical Abstract



Keywords: *N*-(5-Amino-2-methylphenyl)-4-(3-pyridyl)-2-pyrimidinamine, Antimicrobial, Aldehyde.