

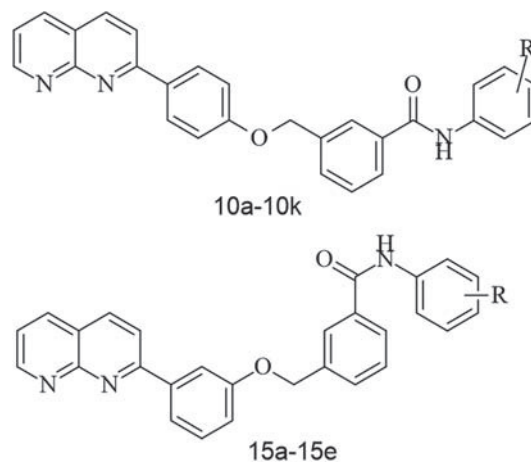
Synthesis, Antibacterial Activity, and Docking Studies of Some New 2-Substituted-1,8-naphthyridine Derivatives

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ABSTRACT 1,8-Naphthyridine derivatives play a very important role in the field of medicinal chemistry. 2 series of novel 2-substituted-1,8-naphthyridine derivatives (**10a-10k** and **15a-15e**) were synthesized. All the synthesized compounds were characterized by ¹H nuclear magnetic resonance (NMR), ¹³C NMR, mass, and IR spectral analysis. Further, these compounds were evaluated for their antibacterial activity. Docking studies for these title compounds are also presented in this communication.



KEYWORDS 2-Aminonicotinaldehyde, Anilines, Hydroxyacetophenone, Antibacterial activity, Docking studies