



## Spectral and Microbial Screening of One-Pot Multicomponent Synthesis of Fused Quinazolinone Derivatives

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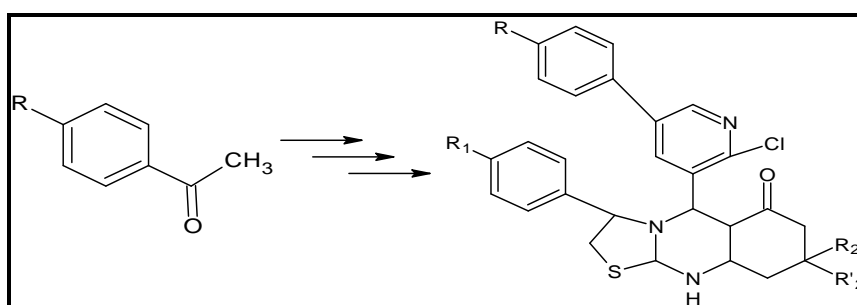
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### ABSTRACT

Heterocyclic compounds containing 2-chloro-3-formyl pyridine and 2-amino thiazole quinazolin-6(7H)-one are reported to possess significant biological activity. Synthesis of 5-(2-chloro-5-(4-substitutedphenyl)pyridin-3-yl)-3-(4-substitutedphenyl)-8,8-disubstituted-8,9-dihydro-5H-thiazolo [2,3-b] quinazolin-6(7H)-one derivatives have been described. These compounds have been characterized on the basis of UV, IR, <sup>1</sup>H NMR, Mass and elemental analysis. Compounds have been evaluated for their antimicrobial activity. Among the series containing some of the compounds showed promising results against standard drugs.

### Graphical Abstract



**Keywords:** Fused Quinazolinone derivatives, Spectral studies, Microbial screening, One-Pot Multicomponent Synthesis.