



## Synthesis and Antimicrobial Activity of Novel 1, 3, 5-oxadiazine Derivatives

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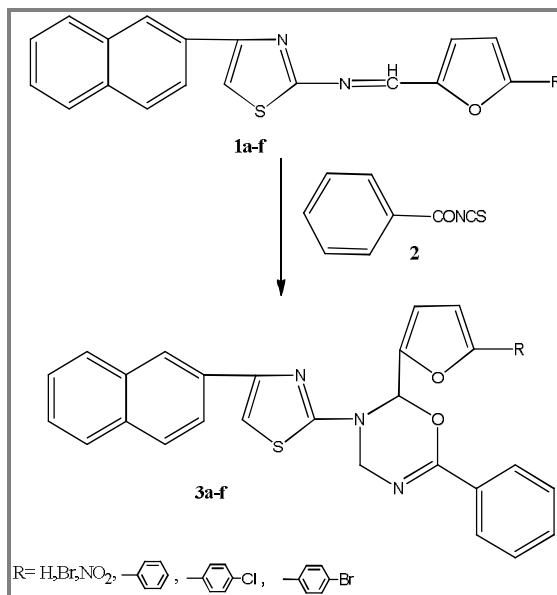
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### ABSTRACT

Various Schiff base of 2-amino-4-(2-naphthalenyl)thiazole (1a-f) on condensation with benzoyl isothiocyanate (2) afford 3-[4-(2-naphthalenyl)-2-thiazolyl]-2-furanyl-6-phenyl-1,3,5-oxadiazine(3a-f) derivatives. All the derivatives (3a-f) characterized by elemental content and spectral features. The antifungal activity of (3a-f) has also been monitored.

### Graphical Abstract



Synthetic route for the synthesis of targeted molecules

**Keywords:** Schiff base, Thiazole, Benzoyl isothiocyanate, Spectral studies and Antifungal activity.