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Synthesis and antimicrobial activity of pyrimidinyl 1,3,4-oxadiazoles, 1,3,4-thiadiazoles and 1,2,4-triazoles

M. Madhu Sekhar, U. Nagarjuna, V. Padmavathi, A. Padmaja, N.Vasudeva Reddy, Tarte Vijaya



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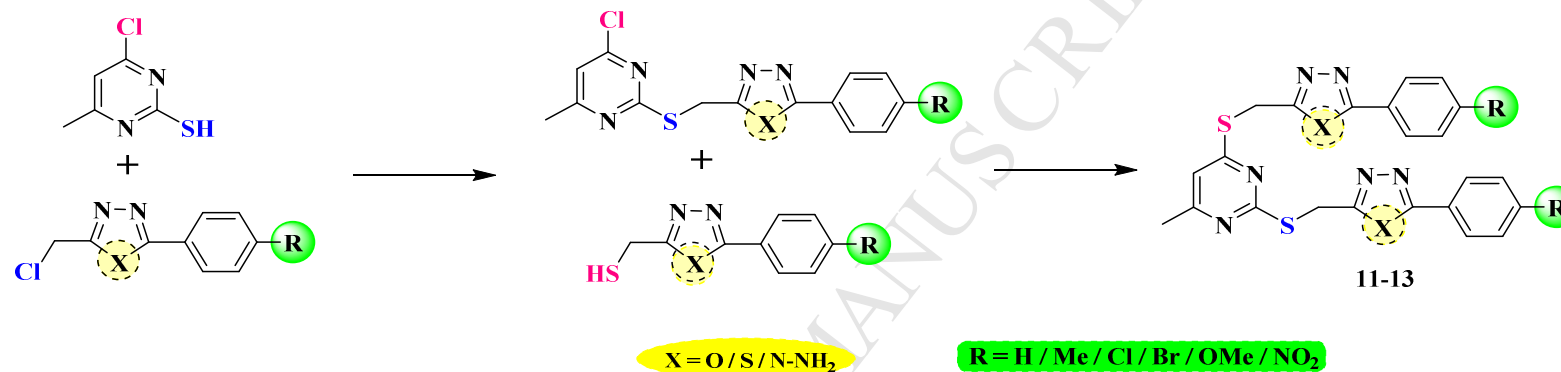
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GRAPHICAL ABSTRACT

Synthesis and antimicrobial activity of pyrimidinyl 1,3,4-oxadiazoles, 1,3,4-thiadiazoles and 1,2,4-triazoles

M. Madhu Sekhar , U. Nagarjuna, V. Padmavathi, A. Padmaja *, N.Vasudeva Reddy , Tartte Vijaya



A new class of pyrimidinyl oxadiazoles, thiadiazoles and triazoles were prepared under conventional and ultrasonication methodologies.

The presence of electronwithdrawing substituents on the aromatic ring enhanced the activity

12c & 12f; MIC = 6.25 $\mu\text{g}/\text{well}$ against *P. aeruginosa*

13c & 13f; MIC = 6.25 $\mu\text{g}/\text{well}$ against *A. niger*

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