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Synthesis and Pesticidal Activities of Some 3,5-Disubstituted Furothiazole-2-Thiones

**Shailendra Tiwari*, Kamal Pratap Singh, Akhilesh Kumar,
Poonam Pathak and Nawseen Fatima Ansari**

*Department of Chemistry, University of Allahabad, **INDIA**

Email: drshailendratiwariau@gmail.com

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ABSTRACT

Several 3,5-disubstituted-furothiazole-2-thiones have been synthesised by the reaction of 3-substituted phenyl-2-thio-4-thiazolidinone with styrene oxide in the presence of tertiary amine in ethanol by refluxing 2-3-hours, and screened for their herbicidal activities against Echinochloa oryzicola, Echinochloa crus-galli, Oryza sativa, Glycine max and antifungal activities against Aspergillus niger, Pyricularia oryzae, whereas insecticidal activities against S. litura and T. urticae of the title compounds.

Keywords: Disubstituted furothiazole, 2-thiones, thiazolidinone and pesticidal activity.
