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

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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.
