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Synthesis, Characterization And Biological Evaluation Of Novel Amides Containing Spiro [Chromeno[4,3-D]Thiazole-4,1'-Cyclohexan]-2-Amine Derivatives

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ABSTRACT

A series of novel N-(7-methoxyspiro[chromeno[4,3-d]thiazole-4,1'-cyclohexane]-2-yl)alkyl/aryl amide derivatives were synthesized for evaluation of their antimicrobial activity. The newly synthesized compounds were characterized by spectroscopic studies such as IR, ^{1}H NMR and LC-Mass analysis. All the synthesized compounds were screened for their in vitro antimicrobial activity. Some of the compounds showed good biological activity.

Keywords: Antimicrobial activity, spiro[chromeno[4,3-d]thiazole-4,1'-cyclohexane, spectroscopic studies, potent antimicrobial derivatives.