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Synthesis, Characterization and Biological Evaluation of Ethyl-4'-(cyclopropane carboxamido-N-yl)-5-ary-3-oxo-3,4,5,6-tetrahydro-biphenyl-4-carboxylate

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Abstract

A series of new substituted cyclohexenone derivatives have been synthesized by the reaction of various substituted chalcones with ethylacetoacetate. Some new N-(4-(3-aryl-acryloyl)phenyl)cyclopropane carboxamide were prepared by Claisen-Schmidt condensation

method in presence of sodium hydroxide in ethanol solvent under stirring. The synthesized compounds were characterized by their spectral (IR, NMR, Mass) data and screened for their antimicrobial activities against Gram-positive and Gram-negative bacteria by using standard antimicrobial drugs.

Keywords

Chalcone

Cyclohexenone

Antimicrobial activity

How to Cite

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