



Synthesis of Substituted 2-(3-(4-Chlorobenzamido)-2-(aryl)-4-oxo-thiazolidine 5-yl)acetic acid Derivatives and their Biological Activities

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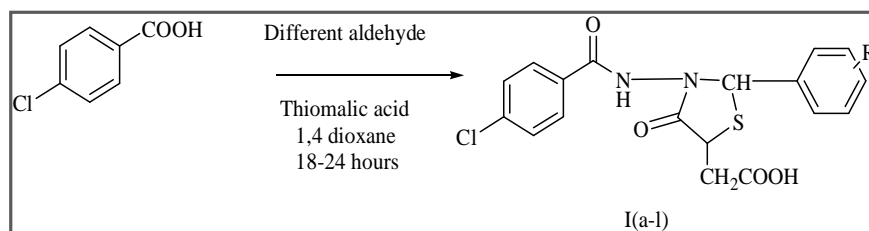
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ABSTRACT

A series of 2-(3-(4-Chlorobenzamido)-2-(aryl)-4-oxo-thiazolidine5-yl) acetic acid derivatives were prepared by treating substituted 4-chlorobenzohydrazidewith thiomalic acid. The newly synthesized compounds were analyzed by IR, ¹H-NMR and Mass spectral analysis. The entire structure series of synthesized compounds was evaluated for their biological activities.

Graphical Abstract



General scheme for the synthesis of final compounds

Keywords: Thiazolidinone derivatives, Schiff base, Thiomalic acid, Biological activities, MIC.