



Synthesis, Characterizations and Antibacterial Activity of (*E*)-1-(4-(3-chlorophenoxy)-2-chlorophenyl)-3-phenylprop-2-ene-1-one Derivatives

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Accepted on 10th May 2015

ABSTRACT

The growth of new styryl ketones has revealed therapeutic efficacy for the management of several diseases. Styryl ketones having an α , β unsaturated carbonyl group are versatile synthons for various chemical transformations and taken an important place in organic chemistry, the research in this area is encouraged because of development of bacterial resistance to widely used antibiotics of this type. The present paper describes the synthesis and antibacterial activity of novel styryl ketone derivatives derived from 1-(4-(3-chlorophenoxy)2-chlorophenyl)ethanone.

Keywords: Styryl ketone, Antibacterial Activity, 3-Chlorophenol, 2, 4-Dichloroacetophenone.
