



**Synthesis and Characterization of Novel (E)-1-(3, 5-bis (Benzyloxy) phenyl)
-3-Phenyl Prop-2-en-1-ones**

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ABSTRACT

A series of new chalcones i.e. (E)-1-(3, 5-bis (benzyloxy) phenyl)-3-phenylprop-2-en-1-ones (3a-o) have been synthesized by reacting 3, 5- di benzyloxy acetophenone (1) with different substituted aromatic aldehydes (2a-o) by Claisen–Schmidt condensation. All products were obtained in good yields. The structure of the compounds have been determined by elemental analysis, FT-IR, ¹H-NMR, ¹³C-NMR and mass spectral data.

Keywords: 3,5-dibenzyloxyacetophenone, chalcones, aromatic aldehydes, Claisen–Schmidt condensation.
