

# Synthesis of Chalcones

*A PROJECT REPORT SUBMITTED IN PARTIAL FULFILLMENT  
OF THE REQUIREMENTS FOR THE DEGREE OF*

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**in**

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**by**

**BHARAT SHIYALIYA  
(ER.NO.: 181127205047)**

**Under the Supervision of**

**Dr. ASHISH NAGAR**



**DEPARTMENT OF CHEMISTRY  
PARUL INSTITUTE OF APPLIED SCIENCE  
LIMDA-391760, VADODARA, GUJARAT, INDIA**

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## **I. Abstract**

Chalcones are the important constituent of many natural sources and possess a variety of biological activities.

Two chalcone derivatives were synthesized by using two different methods. The compounds were synthesized by Aldol condensation of appropriate aromatic ketones or substituted aromatic ketones with benzaldehydes or substituted benzaldehydes. The compounds synthesized were purified by Column Chromatography and recrystallisation. The determination of the synthesized compounds were done by its physical properties like Melting point and TLC followed by IR and NMR analysis.

## **II. Objective**

The objective of the work is synthesis of the following Chalcones by using two different methods.

- 4- Chloro Chalcone
- 3- Bromo Chalcone