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## Suzuki Miyaura Cross – Coupling Reactions of 4-Chloro Quinoline Derivatives and Studying of Biological Activity for some of Them

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**Abstract:**The present work deals with the synthesis of arylatedquinolines . The reaction of substituted aniline with meldrum acid in presence of tri methyl orthformate gives aniline-bis(methylene Meldrum's acid)derivatives , which was converted to substitute quinolone .The quinolone reaction with(  $\text{POCl}_3$ ) gives substituted 4-chloro quinoline. For that reaction of 4-chloro quinoline with different boronic acids in the presence of Tetrakis (triphenylphosphine) palladium (0) gives the arylatedquinolines.

**Keywords** :- Meldrum's acid,Quinolines, Suzuki coupling reactions.

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