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(57) Abstract :
The invention relates to a method for efficiently and rapidly synthesizing (E)-N-(2-(3, 4-dihydroisoquinolin-2(1H)-yl) benzylidene)-2,6 dimethylaniline from aminobenzaldehyde and aromatic amine under the mild reaction condition by using an environmental-friendly catalyst. The method comprises the step of synthesizing (E)-N-(2-(3, 4-dihydroisoquinolin-2(1H)-yl) benzylidene)-2,6 dimethylaniline by taking equimolar amount of aminobenzaldehyde (0.5 mmol) and aromatic amine (0.5 mmol) and dissolved in ethanol and few drops of glacial acetic acid is added then the reaction mixture is refluxed for 8 hours in oil bath. The crude product is dried under vacuum and washed 2-3 times with water to remove acetic acid. The pure crystalline product is recovered by recrystallization with absolute ethanol with 65% yield; the method is simple in operation and high in yield, and has mild conditions of a catalytic reaction system and a broad industrial application prospect.

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