

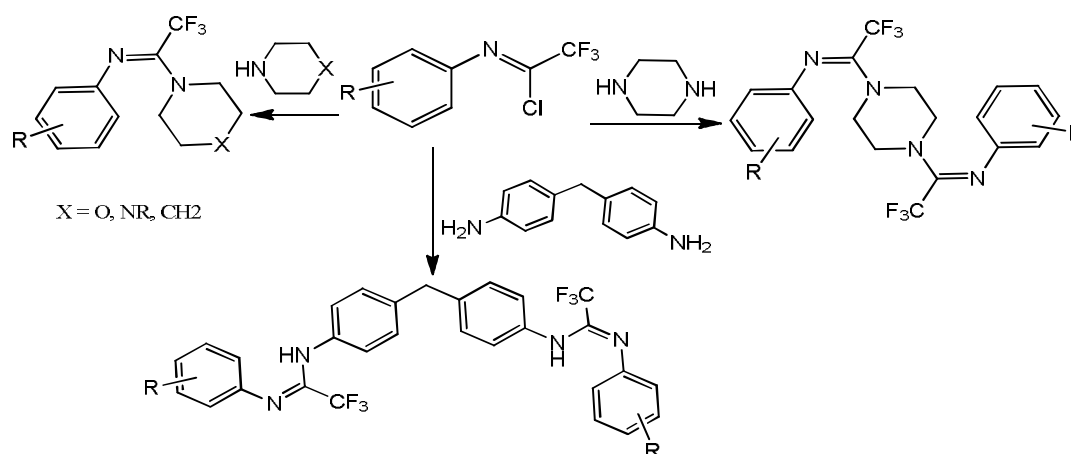
## Synthesis of (2,2,2-trifluoroethylidene) aniline derivative

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One particularly important area of medicinal researches is the synthesis and application of organofluorine compounds. Organofluorine chemistry has received extensive attention especially in the pharmaceutical industry and in materials science due to the unique properties of fluorinated compounds [1]. Accordingly, the synthesis of these molecules is in great demand [2] and the search for new biologically active fluorinated compounds is in the forefront of organic and medicinal chemistry [3]. Trifluoromethylated imines are particularly important as precursor products or as building blocks for the synthesis of biologically active molecules [4]. Interest in this case synthesis of Quinoxalin and pyrazine rings and properties their due to we synthesis new (2,2,2-trifluoroethylidene) aniline derivatives with use 2,2,2-trifluoro-N-arylacetimidoyl chloride and compounds contain nucleophile nitrogen. The results of <sup>1</sup>H NMR, <sup>13</sup>C NMR <sup>19</sup>F-NMR, and FT-IR spectra confirmed the formation of these products.



### Aknowledgmente:

We gratefully acknowledge the financial support, for this project, of Vali-e-Asr University of Rafsanjan Faculty Research Grant.

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