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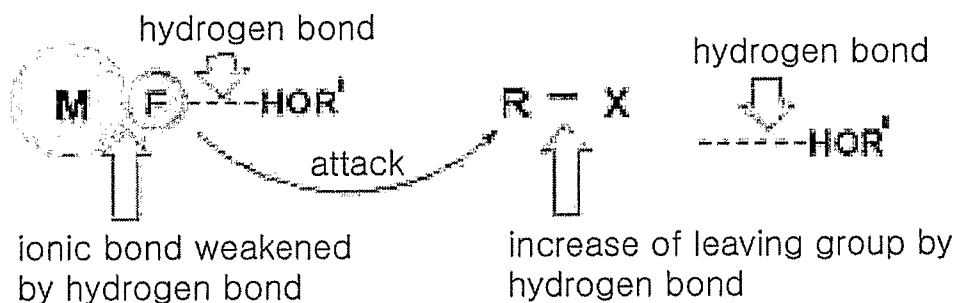
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(54) Title: METHOD FOR PREPARATION OF ORGANOFLUORO COMPOUNDS IN ALCOHOL SOLVENTS



M = alkali metal, alkaline earth metal or alkylammonium
 X = SO_3R^{12} or halogen except fluorine

(57) Abstract: The present invention relates to a method for preparation of organofluoro compounds containing radioactive isotope fluorine- 18. More particularly, the present invention relates to a method for preparation of organofluoro compound by reacting fluorine salt containing radioactive isotope fluorine- 18 with alkyl halide or alkyl sulfonate in the presence of alcohol of Chemistry (Figure 1) as a solvent to obtain high yield of organofluoro compound. Synthesis reaction according to the present invention may be carried out under mild condition to give high yield of the organofluoro compounds and the reaction time is decreased, and thereby is suitable for the mass production of the organofluoro compounds.



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