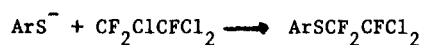


REACTIONS OF NUCLEOPHILES WITH TRICHLOROTRIFLUOROETHANE

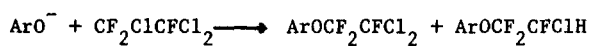
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Condensation of 1,1,2-trichlorotrifluoroethane with potassium thiophenoxide occurs in DMF or DMSO to give aryl-2,2-dichloro-1,1,2-trifluoroethylsulfides :



The same condensation with phenoxide gives two products :



The formation of aryl-2,2-dichloro-1,1,2-trifluoroethylsulfides or ethers can be explained by a chain carbanionic mechanism.