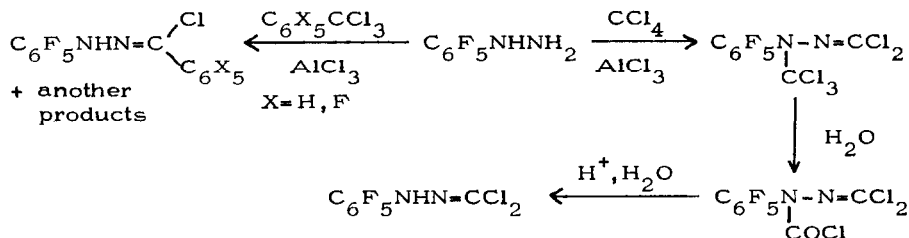


THE REACTIONS OF PENTAFLUOROPHENYLHYDRAZINE AND ITS β -ACYL DERIVATIVES WITH COMPOUNDS OF THE CCl_3R -TYPE IN THE PRESENCE OF AlCl_3 — A NEW METHOD OF OBTAINING OF PENTAFLUOROPHENYL-HYDRAZIDOYL DICHLORIDES AND CHLORIDES AND THE DERIVATIVES OF Δ^2 -1,3,4-oxadiazolin-5-one

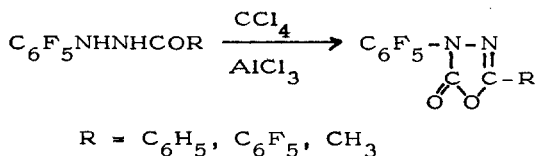
T. D. Petrova, A. G. Ryabichev, T. I. Savchenko, V. E. Platonov, V. I. Mamatyuk, Yu. V. Gatilov and I. Yu. Bagryanskaya

Institute of Organic Chemistry, Siberian Division of the Academy of Sciences U.S.S.R., 630090, Novosibirsk (U.S.S.R.)

In the reactions of pentafluorophenylhydrazine with polychloromethanes of type CCl_3R ($\text{R} = \text{Cl}, \text{C}_6\text{H}_5, \text{C}_6\text{F}_5$) in the presence of AlCl_3 , the major reaction products were N-pentafluorophenylhydrazidoyl dichlorides and chlorides.



The reactions of β -acylpentafluorophenylhydrazines (β -benzoyl, β -pentafluorobenzoyl, β -acetyl) with CCl_4 in the presence of AlCl_3 gave Δ^2 -1,3,4-oxadiazolin-5-one derivatives.



The reaction routes are discussed.