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Regioselectivity and Sigmatropic Isomerizations in Reactions of Chlorosubstituted Imines with Nucleophiles

P. P. Onys'ko^a; T. V. Kim^a; E. I. Kiseleva^a; E. A. Swalova^a; T. I. Chudakova^a; A. D. Sinytsa^a

^a Institute of Organic Chemistry, Academy of Sciences of the Ukrainian SSR, Kiev, USSR

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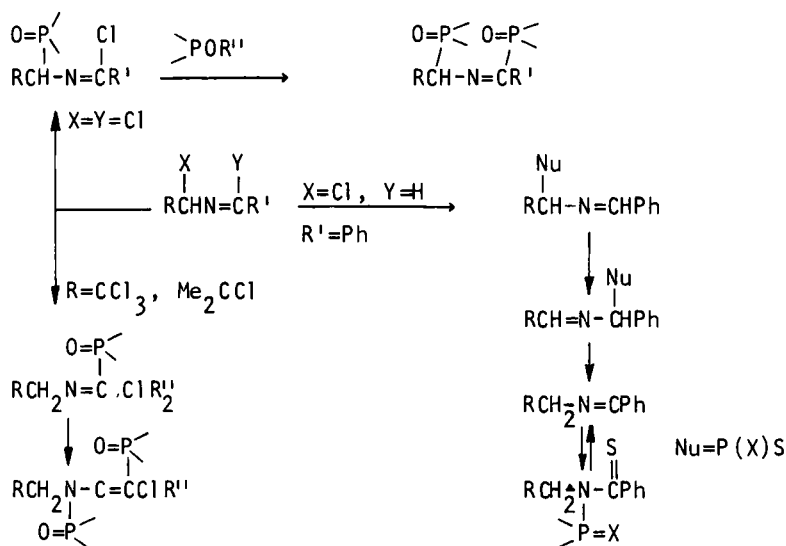
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REGIOSELECTIVITY AND SIGMATROPIC ISOMERIZATIONS IN REACTIONS OF CHLOROSUBSTITUTED IMINES WITH NUCLEOPHILES

P.P.ONYS'KO, T.V.KIM, E.I.KISELEVA, E.A.SUVALOVA,
 T.I.CHUDAKOVA, and A.D.SINYTSA
 Institute of Organic Chemistry, Academy of Sciences of
 the Ukrainian SSR, Kiev 252660, USSR

We have shown that the halogen-substituted azomethines reveal different regioselectivity in reactions with nucleophiles.¹ The factors determining the ability of the primary reaction products to the 1,3-sigmatropic rearrangements were formulated. The dependence of the regioselectivity of the reactions on the nature of nucleophile and chloroazo-



methine was discussed. The phosphorus derivatives of azomethines generate 1,3-dipoles under heating giving nitrogen-containing heterocycles in the cycloaddition reactions.

1. P.P.Onys'ko, T.V.Kim, E.I.Kiseleva, V.P.Prokopenko, A.D.Sinytsa, Zh. Obshch. Khim., 58, 35 (1988).