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New Directions in the Reactions of Heterosubstituted Carbocations with Phosphites

V. U. Mavrin^a; V. V. Mosxva^a; P. A. Gurevich^a; G. U. Klimentova^a

^a S.M. Kirov Kazan Institute of Chemical Engineering, Kazan, USSR

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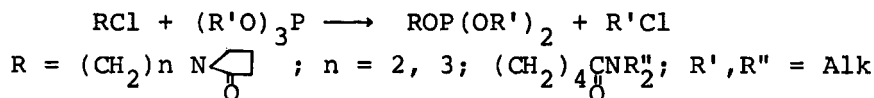
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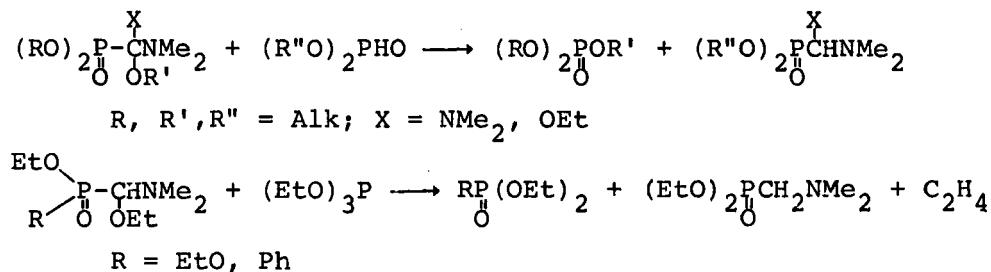
NEW DIRECTIONS IN THE REACTIONS OF HETEROSUBSTITUTED CARBCATIONS WITH PHOSPHITES

V.U.MAVRIN, V.V.MOSKVA, P.A.GUREVICH, and
 G.U.KLIMENTOVA
 S.M.Kirov Kazan Institute of Chemical Engineering,
 K.Marx Str. 68, Kazan 420015, USSR

A restriction of the Arbuzov reaction for the interaction of alkylchlorides with trialkylphosphites was found. A different way of reaction leading to realkylation was observed for some amidonium compounds of chloroderivatives of ternary amides and lactams capable to self O-alkylation. The way is preferably realized for phosphites with increased electrophility of α -carbon ethers (1).



A new reaction was also observed for di- and trialkylphosphites reacting with phosphorylsubstituted carbonic cations obtained from α -heterosubstituted phosphonates. The reaction proceeds with disruption of respective phosphonates and results in the replacement of the phosphoryl and alkoxygroups by a phosphoryl group (2).



- (1) P.A.Gurevich, V.V.Moskva, G.U.Klimentova, Zn. Obshch. Khim. 57, 2316-2319 (1987).
- (2) V.V.Moskva, V.U.Mavrin, Zn. Obshch. Khim. 58, 1667-1670, (1988).