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## Phosphorus, Sulfur, and Silicon and the Related Elements

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## Interaction of Phosphorus Acid Derivatives with Polycentric Nucleophiles

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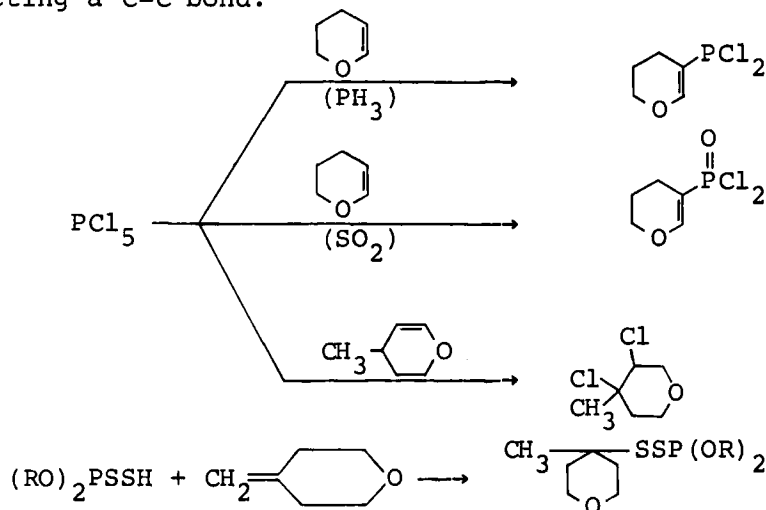
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## INTERACTION OF PHOSPHORUS ACID DERIVATIVES WITH POLYCENTRIC NUCLEOPHILES

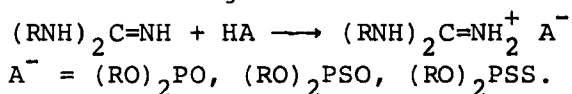
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In the present communication we consider some data on the chemical interaction of various phosphorus reagents with unsaturated organic substrates having "n" or "π" centres, some pyranes and guanidines.

In the reaction of phosphorus pentachloride with substituted pyranes the "π"-centre is not changed, but dithiophosphorus acids react with the same reagents by destructing a C=C bond.



Dialkylphosphites, cyclic and monothiophosphorus acids do not give this reaction, but they form salt products in the reaction with guanidine derivatives.



These investigations can help to solve a number of ecological problems in chemical industry.