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

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### Synthesis and Reaction Peculiarities of Phosphorylated Trifluoroethane Imines

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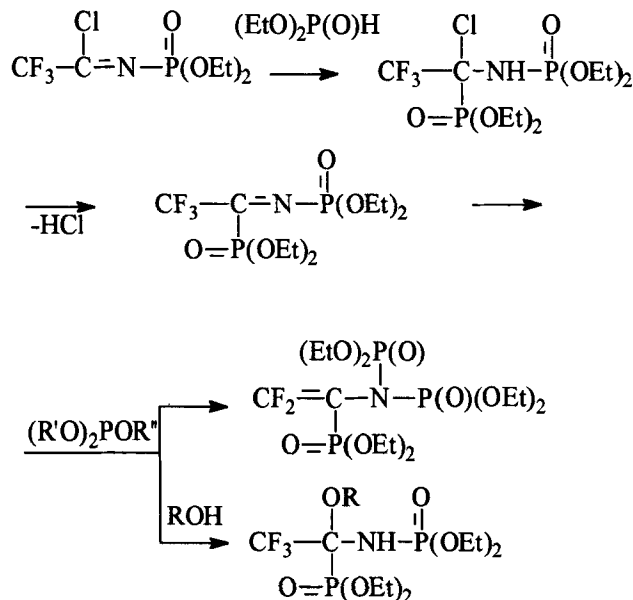
## SYNTHESIS AND REACTION PECULIARITIES OF PHOSPHORYLATED TRIFLUOROETHANE IMINES.

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Convenient methods for C,N - mono- and biphosphorylated trifluoroethane imines have been developed. These are reactive synthons allowing important derivatives of aminophosphonic acids, fluorine- and phosphorus-containing heterocycles, vinylamides, etc. A rare example of a Perkov-type reaction involving trifluoromethyl group has been discovered.

The property differences of imines obtained and imines of hexafluoroacetone are discussed.



The rearrangement,  $-\text{C}(\text{Cl})=\text{NP}(\text{O})\text{Ph}_2 \rightarrow -\text{C}(\text{O})-\text{N}=\text{P}(\text{Cl})\text{Ph}_2$ , new for phosphorus chemistry, has been found for N-phosphorylated imido yl chlorides.