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Synthesis of Phosphorylated Derivatives of Enamino-Carbonyl Compounds

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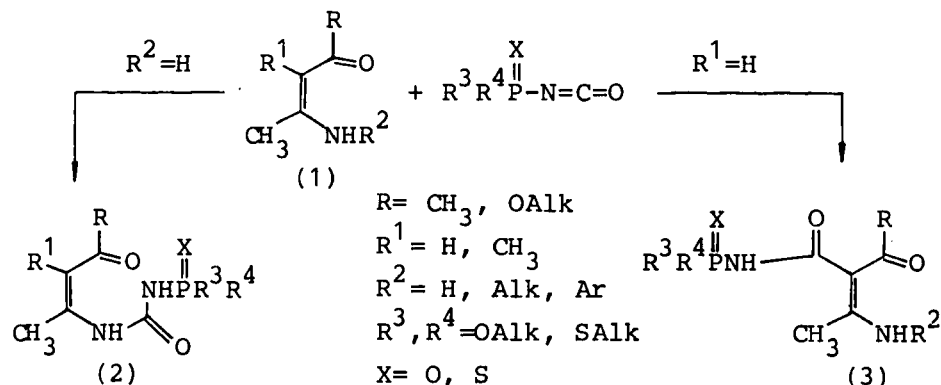
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SYNTHESIS OF PHOSPHORYLATED DERIVATIVES OF ENAMINO-CARBONYL COMPOUNDS

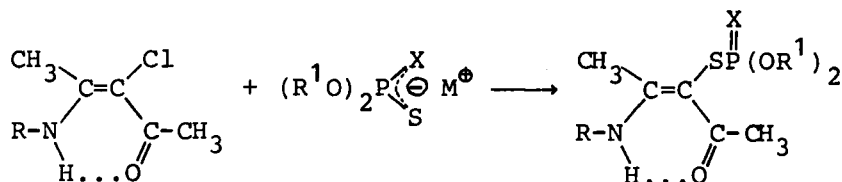
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The reactions of enaminocarbonyl compounds (1) with phosphorylisocyanates have been investigated. Experiment established that the reactions with the participation of amino group and (or) C-2 atom form respectively ureas (2) and (or) their vinylogs (3) depending on the structure (1) i.e. the reactions proceed in two competitive directions.



The possibility of chlorine atom substitution in α -chloro-aminovinylketones with the salts of dialkylthio- and di-thiophosphoric acids was also studied.



$\text{R} = \text{H}, \text{Alk}, \text{Ar}; \text{R}^1 = \text{Alk}; \text{X} = \text{O}, \text{S}; \text{M} = \text{Na}, \text{K}.$

The interaction scheme including the consecutive stages of $\text{Ad-S}_\text{N}\text{-E}$ is proposed.