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The Influence of Amines Basicity, Carbonyl and Hydrophosphoryl Compounds Structure on Kinetics and Mechanism of the Kabachnic-Fields Reaction

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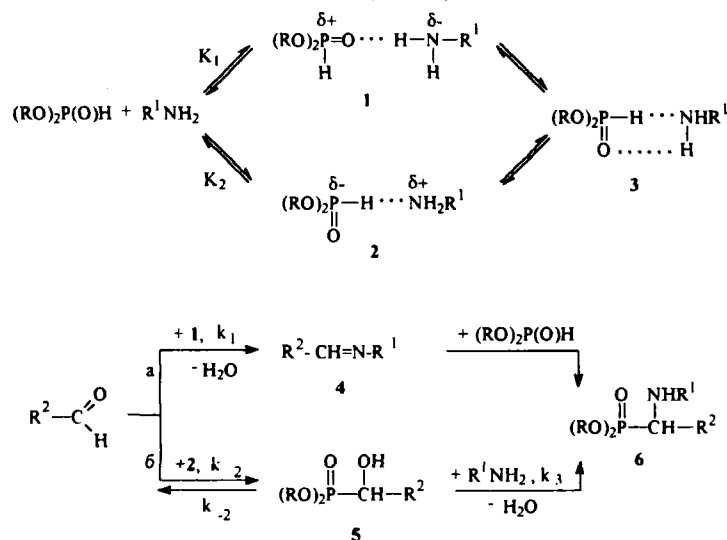
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On the basis of kinetic and preparative investigation of the Kabachnic-Fields reaction in the series of substituted benzaldehydes, amines and hydrophosphoryl compounds the united mechanism of the reaction has been suggested, including its both «iminic» and «hydroxyphosphonatic» variants, considered previously as strictly alternative.



The mechanism suggested well explains as the whole collection of our kinetic and synthetical results, as also practically whole massive of known literature data concerning the Kabachnic-Fields reaction

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