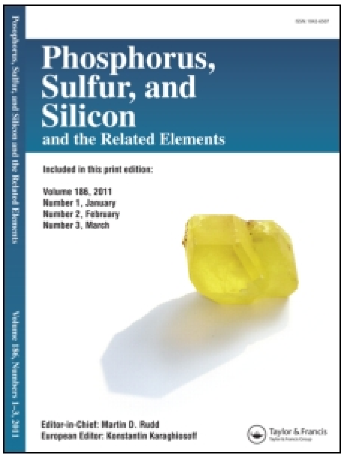

Phosphorus, Sulfur, and Silicon and the Related Elements
Publication details, including instructions for authors and subscription information:
http://www.informaworld.com/smpp/title~content=t713618290

Synthesis of Phosphorylated Derivatives of Enamino-Carbonyl Compounds

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To cite this Article Galyautdinov, N. I. , Arbuzov, B. A. and Butlerov, A. M.(1990) 'Synthesis of Phosphorylated Derivatives of Enamino-Carbonyl Compounds', Phosphorus, Sulfur, and Silicon and the Related Elements, 51: 1, 207
To link to this Article: DOI: 10.1080/10426509008040741
URL: http://dx.doi.org/10.1080/10426509008040741

Phosphorus, Sulfur, and Silicon, 1990, Vols. 51/52, p. 207
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SYNTHESIS OF PHOSPHORYLATED DERIVATIVES OF ENAMINOCARBONYL COMPOUNDS

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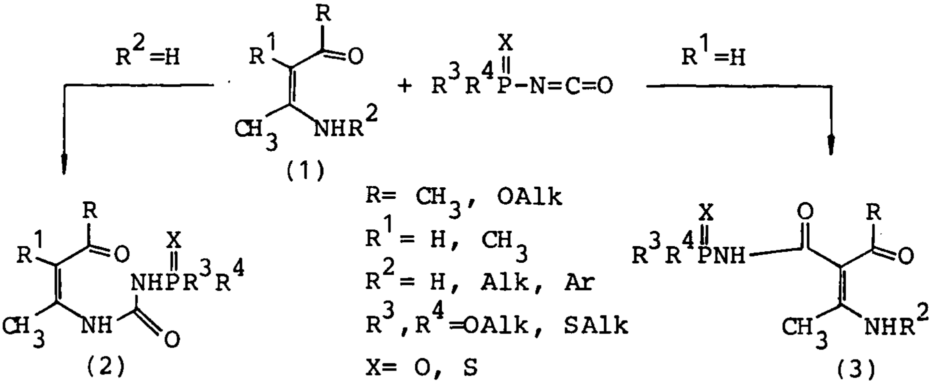
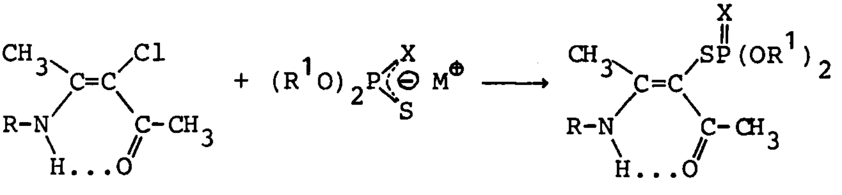
The reactions of enaminocarbonyl compounds (1) with phosphorylisocyanates have been investigated. Experiment established that the reactions with the participation of amino group and (or) C-2 atom form respectively ureas (2) and (or) their vinylogs (3) depending on the structure (1) i.e. the reactions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



R= CH_3, OAlk
R^1= H, CH_3
R^2= H, Alk, Ar
R^3,R^4=OAlk, SAlk
X= O, S

The possibility of chlorine atom substitution in α-chloroaminovinylketones with the salts of dialkylthio- and dithiophosphoric acids was also studied.



R= H, Alk, Ar; R^1= Alk; X= O, S; M= Na, K.

The interaction scheme including the consecutive stages of Ad-S_N-E is proposed.