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## 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>

### Unusual C --N Migration of Phosphoryl Group in C-Phosphorylated Ketaminales

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Online publication date: 27 October 2010

**To cite this Article** Sinita, A. D. , Kim, T. V. , Kiseleva, E. I. and Onys'ko, P. P.(2002) 'Unusual C --N Migration of Phosphoryl Group in C-Phosphorylated Ketaminales', *Phosphorus, Sulfur, and Silicon and the Related Elements*, 177: 8, 2055

**To link to this Article:** DOI: 10.1080/10426500213387

URL: <http://dx.doi.org/10.1080/10426500213387>

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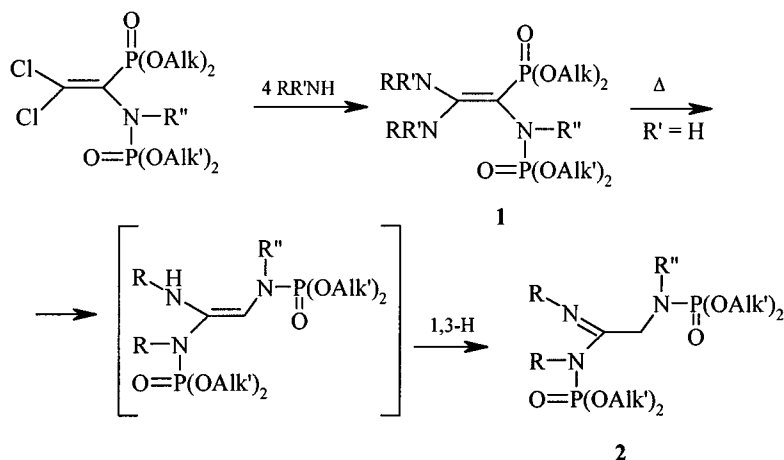
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## UNUSUAL C–N MIGRATION OF PHOSPHORYL GROUP IN C-PHOSPHORYLATED KETAMINALES

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(Received July 29, 2001; accepted December 25, 2001)

Ketaminales **1** with dialkylamino groups ( $R=R'=\text{Alk}$ ) are thermally stable compounds. In case of  $R'=H$  compounds **1**, under thermolysis conditions, undergo irreversible proto- and phosphorotropic migrations, leading to amidines **2**.



SCHEME 1

Unusual transfer of phosphoryl group from carbon to nitrogen during **1**  $\rightarrow$  **2** isomerization is caused by the influence of donor  $\text{RN}$  groups. Proto- and chlorotropic migrations in related systems have been studied.

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