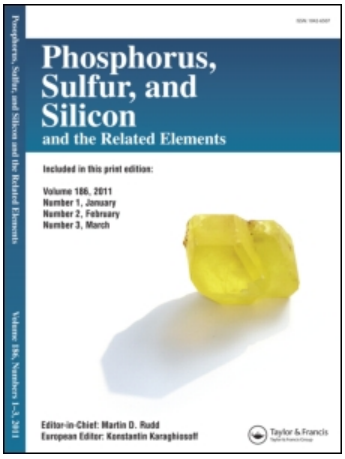

Phosphorus, Sulfur, and Silicon and the Related Elements

Publication details, including instructions for authors and subscription information:
http://www.informaworld.com/smpp/title~content=t713618290

Synthesis and Reactivity of Substituted N-Hydroxy-1,4-dihydro-1,4-azaphosphorins

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To cite this Article Skolimowski, J. , Skowronski, R. and Simalty, M.(1987) 'Synthesis and Reactivity of Substituted N-Hydroxy-1,4-dihydro-1,4-azaphosphorins', Phosphorus, Sulfur, and Silicon and the Related Elements, 30: 3, 804
To link to this Article: DOI: 10.1080/03086648708079296
URL: http://dx.doi.org/10.1080/03086648708079296

Synthesis and Reactivity of Substituted N-Hydroxy-1,4-dihydro-1,4-azaphosphorins

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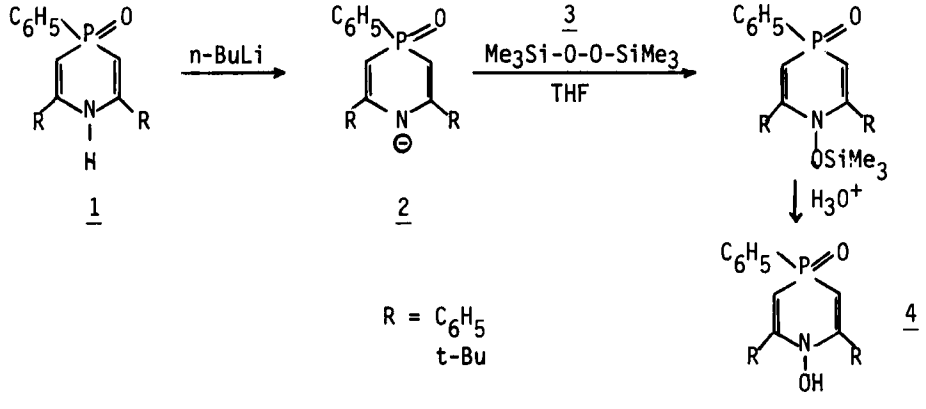
The synthesis of substituted N-hydroxy-1,4-dihydro-1,4-azaphosphorins 4 has been carried out by adding the di(trimethylsilyl)peroxide 3 to the anion 2 generated from the addition of n-butyllithium to compound 1.



1 2 4

The obtained cyclic hydroxylamines 4 were characterized from their spectroscopic data. The chemical reactivity of compound 4 will be discussed.