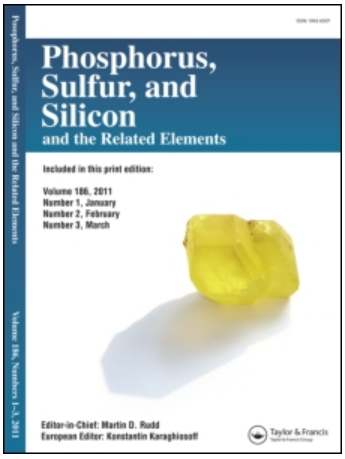

Phosphorus, Sulfur, and Silicon and the Related Elements

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

The First Examples of 1-Aza-3-phosphabenzenes

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To cite this Article Appel, Rolf , Groβe-bley, Michael , Souady, Hassan and Steglich, Wolfgang(1987) 'The First Examples of 1-Aza-3-phosphabenzenes', Phosphorus, Sulfur, and Silicon and the Related Elements, 30: 3, 757
To link to this Article: DOI: 10.1080/03086648708079249
URL: http://dx.doi.org/10.1080/03086648708079249

The First Examples of 1-Aza-3-phosphabenzenes

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The hitherto unknown 1-aza-3-phosphabenzenes are obtained via regiospecific Diels-Alder reaction with inverse electron demand of 2-trifluormethyl-4-methyl-6H-1,3-oxazin-6-on with phosphaalkynes. The primary cycloaddition adducts extrude carbon dioxide under the reaction conditions (80°C, no solvent, 3 days in a sealed tube) and cannot be isolated. The resulting 1-aza-3-phosphabenzenes are relatively stable compounds and are completely spectroscopically characterized.