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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>

Synthesis and Electrochemical Reduction of Nitro-Alkanephosphonates

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To cite this Article Kudzin, Z. H. , Tasz, M. and Skowrofski, R.(1990) 'Synthesis and Electrochemical Reduction of Nitro-Alkanephosphonates', *Phosphorus, Sulfur, and Silicon and the Related Elements*, 51: 1, 383

To link to this Article: DOI: 10.1080/10426509008040910

URL: <http://dx.doi.org/10.1080/10426509008040910>

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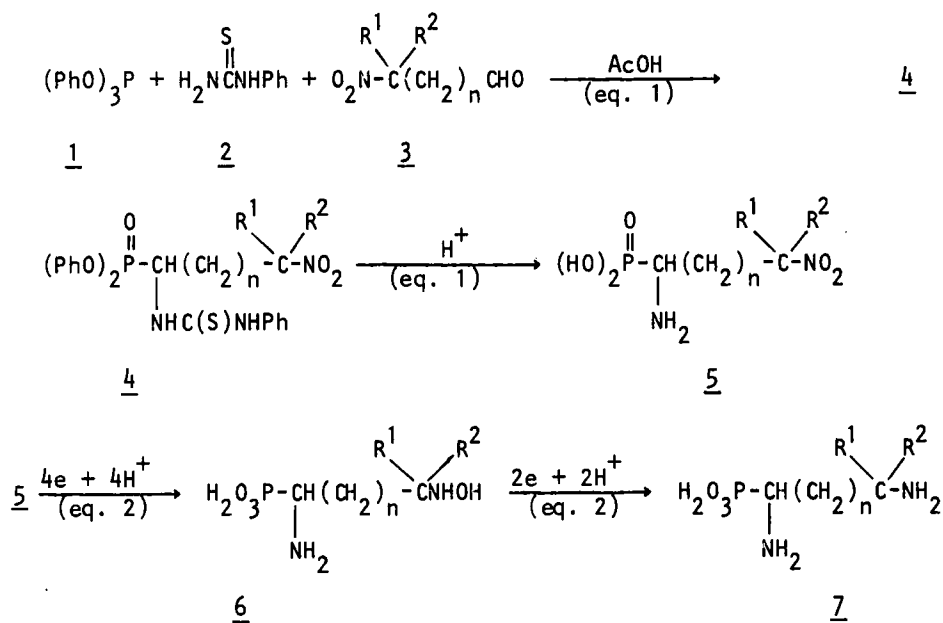
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SYNTHESIS AND ELECTROCHEMICAL REDUCTION OF NITRO-ALKANEPHOSPHONATES

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As a continuation of our research program [1, 2], directed to the synthesis of aminoalkanephosphonates, we present here the synthesis of 1-amino-nitroalkanephosphonid acids 5, prepared according to eq. 1.



The electrochemical reduction of amino acids 5 to the derivatives 6 and 7 (eq. 2) have been investigated.

- 1.) H.H.Kudzin, W.J.Stec, *Synthesis* 1978, 469
- 2.) Z.H.Kudzin, J.Mokrzan, R.Skowroński, *Phosphorus and Sulfur*, 26, (1988)