

This article was downloaded by:

On: 29 January 2011

Access details: Access Details: Free Access

Publisher Taylor & Francis

Informa Ltd Registered in England and Wales Registered Number: 1072954 Registered office: Mortimer House, 37-41 Mortimer Street, London W1T 3JH, UK



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>

Photochemistry of Phosphonium Salts-Photolysis of 9-(Antryl)Methyl Triphenylphosphonium Chloride

T. M. S. Peranovich^a; M. E. R. Marcondes^a; V. G. Toscano^a

^a Universidade de São Paulo, Instituto de Química, SP, Brazil

To cite this Article Peranovich, T. M. S. , Marcondes, M. E. R. and Toscano, V. G.(1990) 'Photochemistry of Phosphonium Salts-Photolysis of 9-(Antryl)Methyl Triphenylphosphonium Chloride', Phosphorus, Sulfur, and Silicon and the Related Elements, 51: 1, 314

To link to this Article: DOI: 10.1080/10426509008040848

URL: <http://dx.doi.org/10.1080/10426509008040848>

PLEASE SCROLL DOWN FOR ARTICLE

Full terms and conditions of use: <http://www.informaworld.com/terms-and-conditions-of-access.pdf>

This article may be used for research, teaching and private study purposes. Any substantial or systematic reproduction, re-distribution, re-selling, loan or sub-licensing, systematic supply or distribution in any form to anyone is expressly forbidden.

The publisher does not give any warranty express or implied or make any representation that the contents will be complete or accurate or up to date. The accuracy of any instructions, formulae and drug doses should be independently verified with primary sources. The publisher shall not be liable for any loss, actions, claims, proceedings, demand or costs or damages whatsoever or howsoever caused arising directly or indirectly in connection with or arising out of the use of this material.

T.M.S.PERANOVICH, M.E.R.MARCONDES, and V.G.TOSCANO
Universidade de São Paulo, Instituto de Química
CEP 01498 - C.P. 20780, SP, Brazil

$$\text{ArCH}_2\text{-P}^+\text{O}_3\text{Cl}^- \xrightarrow{h\nu} \begin{cases} \text{ArCH}_2\cdot + \cdot\text{P}^+\text{O}_3 \\ \text{ArCH}_2^+ + \text{PO}_3^- \end{cases} \xrightarrow[\text{electron transfer}]{(\text{CH}_3)_2\text{CHOH}} \text{ArCH}_2\text{-O-CH}(\text{CH}_3)_2 + \text{H}^+$$

- (1) Griffin, C.E. and Kaufman, M.L.: Tet.Letters, 773 (1965).
- (2) Nagao, Y.; Shima, K. and Sakurai; H.; Bull.Chem.Soc. Japan 45, 3122 (1972).
- (3) Oliveira, M.E.C.; Pereira, et al.; J.Photoch. 31, 373 (1985).
- (4) Alonso, E.O., Marcondes, M.E.R. and Toscano, V.G.; Phosphorus and Sulfur and the Related Elements, 30, 737 (1987).