

Spatial structure of phosphorus-containing heterocycles - Communication 7. Synthesis and spatial isomerism in series of 2-methoxy-4-methyl-1,3-dioxo-2-phosphorinane derivatives

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Abstract

1. The geometric isomers of the corresponding tetra-coordinated phosphorus derivatives were obtained from the stereoisomeric cis- and trans-2-methoxy-4-methyl-1,3-dioxo-2-phosphorinanes by reaction with methyl iodide, the addition of sulfur, and oxidation. It was shown that the indicated reactions are stereospecific. 2. Conclusions regarding the spatial structure of the obtained compounds were made on the basis of determining the dipole moments, Kerr constants, and the IR and Raman spectra. © 1974 Consultants Bureau.

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