

Reaction of cyclic phosphoranes with phosphorus pentasulfide

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Abstract

The 2,2,2-trimethoxy-3,5-dimethyl-4-carbethoxy- and 2,2,2-trimethoxy-3,5-dimethyl-4-acetyl-1,2-oxaphospholenes react with phosphorus pentasulfide in methylene chloride solution at $R \sim 20^\circ$ to give several phosphorus-containing products. The end reaction products are the 2-oxa-2-methoxy-3,5-dimethyl-4-carbethoxy- and 2-oxa-2-methoxy-3,5-dimethyl-4-acetyl-1,2-oxaphospholenes. © 1975 Plenum Publishing Corporation.

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