

Bulletin of the Academy of Sciences of the USSR Division of Chemical Science 1989 vol.38 N3,
pages 651-653

Photochemical, thermal, and thermocatalytic reactions of diphenyldiazomethane with dimethyl thiophosphite

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Abstract

The direct photolysis of diphenyldiazomethane in dimethyl thiophosphite gave the product of P-H insertion. The thermal reaction leads to the N-dimethoxythiophosphorylhydrazone of benzophenone and O,O-dimethyl S-(diphenylmethyl) thiophosphate. Carbenoid P-H insertion occurred in the thermocatalytic decomposition. © 1989 Plenum Publishing Corporation.

<http://dx.doi.org/10.1007/BF00958073>
