

Bulletin of the Academy of Sciences of the USSR Division of Chemical Science 1986 vol.35 N8,
pages 1690-1694

Reaction of 1,3-diphenylpropanetrione with dimethylphosphorous acid

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Abstract

1. 1,3-Diphenylpropane-1,2,3-trione reacts with dimethyl phosphite to give dimethyl dibenzoylmethyl phosphate, the structure of which has been confirmed by x-ray diffraction studies. In the presence of triethylamine, this reaction leads to the formation of dimethyl 1-benzoyl-2-phenylvinyl phosphate. © 1987 Plenum Publishing Corporation.

<http://dx.doi.org/10.1007/BF00954615>
