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## Reaction of trimethyl phosphite with benzylidenebenzoylacetic ester

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### Abstract

1. Trimethyl phosphite reacts with benzylidenebenzoylacetic ester to give 2,2,2-trimethoxy-3-5-di-phenyl-4-carbethoxy-1-oxa-2-phospha-4-cyclopentene (I). 2. When (I) is reacted with water and acetic anhydride the opening of the phosphorane ring occurs at the P-O bond. Phosphorane (I) is stable toward alcohol. 3. The structure of all of the obtained products was confirmed by the IR spectra. © 1971 Consultants Bureau.

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