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## Synthesis of 5-methyl-2-ethyl-4-chloro-2-oxo-1,2-oxa-4-phospholene

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### Abstract

1. The counter synthesis of 5-methyl-2-ethyl-4-chloro-2-oxo-1,2-oxa-4-phospholene was accomplished. 2. The 4-methyl-2-ethyl- and 4-methyl-2-phenyl-5-methylene-2-oxo-1,2-oxa-3-phospholenes were obtained by the chlorination and dehydrochlorination of the 4,5-dimethyl-2-ethyl- and 4,5-dimethyl-2-phenyl-2-oxo-1,2-oxa-4-phospholenes. 3. The 4-methyl-2-ethyl (or phenyl)-5-methylene-2-oxo-1,2-oxa-3-phospholenes when treated with water or alcohols are converted to the corresponding phosphorylated  $\alpha$ ,  $\beta$ -unsaturated ketones. © 1971 Consultants Bureau.

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