

organo-phosphorus compounds, heterocyclic C derivatives

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Abramov Reaction in the 1,4-Diketones Series. — The Abramov reaction of 1,4-diketones of type (I) and (IV) with the dialkyl phosphites (II) produces phosphorylated α -hydroxytetrahydrofurans, e.g. (III) and (V), via cyclization of the corresponding open-chain addition products, e.g. (VI). Under the same conditions, 1,4-diphenyl-1,4-butanedione (VII) is converted to the diphosphorylated diol (VIII) and the tetrahydrofuran (IX). (Further examples are given in the original paper). — (ROSTOVSKAYA, M. F.; ISAKOV, V. V.; SLABKO, M. G.; VYSOTSKII, V. I.; Zh. Obshch. Khim. 61(123) (1991) 4, 909-916; Dal'nevost. gos. univ., Vladivostok, Russia; RU)

