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Reaction of 1, 2-diphenyl-4-benzal-3,5-pyrazolidinedione with trimethyl phosphite and tri(dimethylamino)phosphine

Arbuzov B., Sorokina T., Fuzhenkova A., Vinogradova V.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

1. Trimethyl phosphite reacts with 1,2-diphenyl-4-benzal-3,5-pyrazolidinedione via the step of the bipolar ion with the formation of the methyl ether of the enolic form of the dimethyl ester of 1, 2-diphenyl-3,5-pyrazolidinedione-4-benzylphosphonic acid. 2. The reaction of tri(dimethylamino)phosphine with 1,2-diphenyl-4-benzal-3,5-pyrazolidinedione gave a stable adduct (1:1), which has the structure of the bipolar ion with a P-C bond. © 1974 Consultants Bureau.

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