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Reactions of phosphorylated allenes with dithiocarbamates

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Abstract

The addition of morpholino-, piperidino-, and N,N-diethyldithiocarbamate anions to 1,2-propadiene- and 1,2-butadienephosphonates proceeds on the electrophilic 1,2-double bond of the allene system with the formation of linear dithioesters. 1-Vinylallenylphosphonates add dithiocarbamate anions on the 1,3-conjugated system of multiple bonds, forming a mixture of stereoisomeric dithioesters with a diene structure. © 1990 Plenum Publishing Corporation.

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