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A new approach to the synthesis of phosphoranes based on the reaction of benzo[d]-1,3,2-dioxaphospholes, having β - or γ -unsaturated group in a substituent, with compounds containing multiple bonds

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Abstract

We developed a new approach to the synthesis of phosphoranes and carba phosphatranes on the basis of the reaction of benzo[d]-1,3,2-dioxaphospholes, having β - or γ -unsaturated group in a substituent, with such compounds containing multiple bonds, such as hexafluoroacetone, chloral, and diethylacetylenedicarboxylate. Copyright © Taylor & Francis Group, LLC.

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Keywords

Benzo-1,3,2-dioxaphosphole derivatives, Carbaphosphatranes, Chloral, Diethylacetylenedicarboxylate, Hexafluoroacetone, Phosphorane, X-ray analysis