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Mechanism of the reaction of 3,3-dimethyl-2-trimethylsiloxy-1- trimethylsilyl-1-phosphabut-1-ene with diethyl phosphite

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Abstract

The reaction of a stable two-coordinate phosphorus compound, 3,3-dimethyl-2-trimethylsiloxy-1-trimethylsilyl-1-phosphabut-1-ene, with diethyl phosphite was studied in terms of the density functional theory [DFT B3PW91/6-31G(d)]. A two-step mechanism of the reaction was established. © 2012 Pleiades Publishing, Ltd.

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