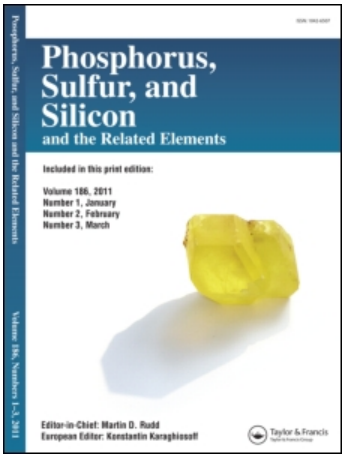

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1-Acylamino-2-Chlorovinylphosphonium Salts as Versatile Reagents for Preparation of 1,3-Azole Derivatives

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1-ACYLAMINO-2-CHLOROVINYLPHOSPHONIUM SALTS AS VERSATILE REAGENTS FOR PREPARATION OF 1,3-AZOLE DERIVATIVES

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The substituted vinylphosphonium salts (I) were obtained by the reaction of readily available N-(1,2,2-trichloroethyl)carboxamides with triphenylphosphine. These salts are active electrophilic reagents suitable for synthesis of novel types of phosphorylated aldehydes (II), mesomeric ylides-betaines (III) and enamides (IV,V). All these compounds undergo intramolecular cyclizations leading to different azolylphosphonium salts (VI-IX).