Stereoselective Synthesis and Single Crystal X-Ray Structures of Some Sterically Congested Electron-poor *N*-Vinyl Pyrazole Derivatives

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Z. Naturforsch. **2008**, *63b,* 65 – 70; received August 5, 2007

A one-pot synthesis of sterically congested electron-poor *N*-vinyl pyrazoles in fairly good yields by the reaction of ethyl 3-phenyl-2-propynoate, pyrazoles and triphenylphosphine is reported. The structures of these compounds were confirmed by IR, ^{1}H, and ^{13}C NMR spectroscopy, and single crystal X-ray structure determination. The structural analysis of the products indicated that the reaction is completely regio- and stereoselective.

Key words: 3-Phenyl-2-propynoate, Vinyltriphenylphosphonium Salts, Crystal Structure, Phosphorus Ylide, *N*-Vinyl Pyrazoles