

Enamines in Heterocyclic Synthesis: A Route to 4-Substituted Pyrazoles and Condensed Pyrazoles

Huwaida M. E. Hassaneen, Hamdi M. Hassaneen, and Mohamed H. Elnagdi

Department of Chemistry, Faculty of Science, Cairo University, Giza, A. R. Egypt

Reprint requests to H. M. E. Hassaneen. E-mail: huwaidad@hotmail.com

Z. Naturforsch. **59b**, 1132–1136 (2004); received May 17, 2004

The reaction of nitrile imines, generated *in situ*, from hydrazoneoyl halides **3a–e** with enamines **2a–c** affords pyrazoles **8a–g**. These pyrazoles have been used to prepare condensed pyrazoles.

Key words: Enamines, Hydrazoneoyl Halides, Pyrazoles, Dimethylformamide Dimethylacetal