

Efficient and Practical Procedures for the Synthesis of Bis-benzimidazoles in Dry Media under Various Reaction Conditions

Kioumars Aghapoor, Farshid Mohsenzadeh, and Hossein Reza Darabi

Chemistry and Chemical Engineering Research Center of Iran, P. O. Box 14335-186, Tehran, Iran

Reprint requests to Dr. H. R. Darabi. E-mail: darabi@ccerci.ac.ir

Z. Naturforsch. **60b**, 901 – 903 (2005); received April 24, 2005

Some different approaches have been developed in order to determine the most efficient preparation of bis-benzimidazoles **1a–f** under solvent-free conditions. All of the selected methods are simple, avoiding heating with corrosive mineral acids. Heating of the reactants on a sand bath method appears to have higher efficiency.

Key words: Bis-benzimidazoles, Microwave Irradiation