

# Microwave-Assisted Synthesis of Novel Imidazo- and Pyrimidopyrido[4',3':4,5]thieno[2,3-*d*]pyrimidines

Essam Kh. Ahmed, Mohamed A. Ameen, and Fathy F. Abdel-Latif

Chemistry Department, Faculty of Science, El-Minia University, El-Minia, Egypt

Reprint requests to M. A. Ameen. E-mail: m\_ameen10@yahoo.com

Z. Naturforsch. **60b**, 221 – 226 (2005); received September 15, 2004

It is reported on the microwave-assisted synthesis of imidazo- and pyrimidopyrido [4',3':4,5]thieno[2,3-*d*]pyrimidines from 2-ethoxymethylene-amino-3-cyano-4,5,6,7-tetrahydrothieno[2,3-*c*]pyridine-6-carboxylic acid ethyl ester and 4-chloro-pyridothieno[2,3-*d*]pyrimidine.

*Key words:* Microwave Irradiation, Amino Alcohol, Fused Pyrimidines