

# A Convenient Synthesis of New Pentaazacyclopentanaphthalene and Pentaazaphenanthrene Derivates

Yvette A. Issac and Aly A. Aly

Chemistry Department, Faculty of Science, Benha University, Benha, Egypt

Reprint requests to Dr. Y. A. Issac. E-mail: Issacyvetteb@hotmail.com

Z. Naturforsch. **58b**, 1227 – 1233 (2003); received March 10, 2003

Reaction of *N*-{3-cyano-6-[4(5-oxo-2-phenylhydrazono-4,5-dihydroimidazol-1-yl)phenyl]-4-phenylpyridin-2-yl}formimidic ethyl ester (**3**) and 3-[4-(3-amino-4-imino-5-phenyl-3,4-dihydropyrido[2,3-d]pyrimidin-7-yl)phenyl]-2-phenyl-5-phenylhydrazono-3,5-dihydroimidazol-4-one (**4**) with different reagents has been investigated and discussed. Some of the obtained compounds were tested for their antimicrobial activity.

*Key words:* Pyridopyrimidine, Malononitrile, Pentaazacyclopentanaphthalene, Pentaazaphenanthrene