

FLUORINATED HETEROCYCLES: SELECTIVE FLUORINE/CHLORINE EXCHANGE REACTIONS ON PYRIMIDINES AND CONSECUTIVE REACTIONS

B. Baasner* and E. Klauke

Central Research Department Bayer AG, D-5090 Leverkusen (F.R.G.)

Reactions on perfluorinated pyrimidines such as selective fluorine/chlorine exchange reactions, selective hydrogenation of the chlorine substituent and hydrolysis are described. In particular a combination of these steps is discussed by means of which 5-fluorouracil (IV) is obtained in a new and simple manner starting from tetrafluoropyrimidine (I) and proceeding via (II) and (III).

