

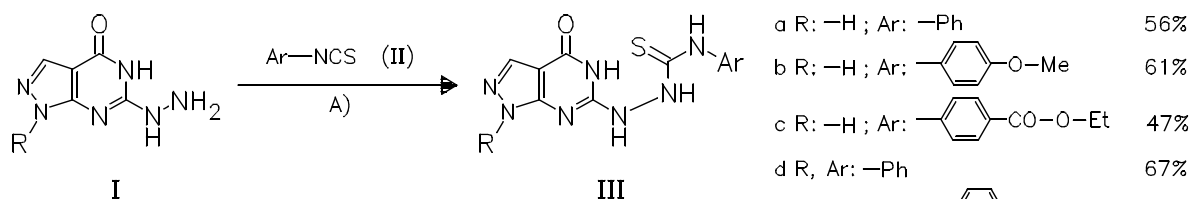
Fused pyrimidine derivatives

R 0515

DOI: 10.1002/chin.201034172

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Synthesis of Arylamino-Substituted Pyrazolo[3,4-d][1,2,4]triazolo[4,3-a]pyrimidinones (IV), Pyrazolo[4,3-e][1,2,4]triazolo[4,3-a]pyrimidinones (VI), and Their Thermal Isomerization. — Reaction of thiosemicarbazides (III) with Me-I/AcONa gives regioselectively the linearly fused products (IV) while reaction of compounds (III) with DCC gives predominantly the angularly fused products (VI). Heating of these cyclization products above their melting products gives the rearrangement products (V). — (VAS'KEVICH*, R. I.; BENTYA, A. V.; STANINETS, V. I.; Russ. J. Org. Chem. 46 (2010) 2, 286-290, DOI:10.1134/S1070428010020235 ; Inst. Org. Chem., Acad. Sci. Ukr., Kiev 02660, Ukraine; Eng.) — H. Toeppel



A): EtOH, reflux

