

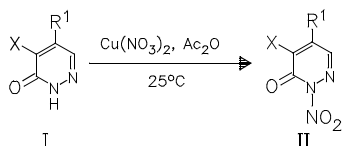
Pyridazine derivatives

R 0500

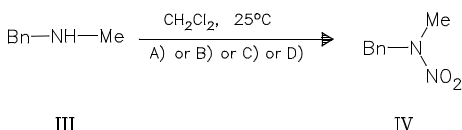
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N-Nitration of Secondary Amines with 4-Chloro-5-methoxy-2-nitropyridazin-3-one.

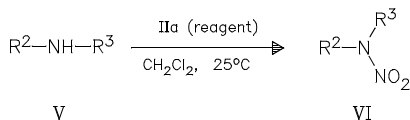
— The 2-nitropyridazinones (IIa) and (IIb), which can smoothly be prepared by nitration of the pyridazinones (Ia) and (Ib), are found to be efficient reagents for mild N-nitration of aliphatic secondary amines. In contrast, aromatic secondary amines, primary amines, and amides do not undergo N-nitration. — (PARK, Y.-D.; KIM, H.-K.; KIM, J.-J.; CHO, S.-D.; KIM, S.-K.; SHIRO, M.; YOON*, Y.-J.; J. Org. Chem. 68 (2003) 23, 9113-9115; Dep. Chem., Gyeongsang Natl. Univ., Chinju 660-701, S. Korea; Eng.) — Jannicke



- a R¹: -O-Me; X: -Cl 90%
 b R¹: -O-Et; X: -Cl 80%
 c R¹: -N₃; X: -Cl 85%
 d R¹, X: -Cl 90%
 e R¹, X: -Br 88%



- A): IIa (reagent) 95%
 B): IIb (reagent) 92%
 C): IIc (reagent) 44%
 D): IId (reagent) 10%



- a R², R³: -Et 90%
 b R², R³: -Cy 28%
 c R²-R³: 92%
 d R²-R³: 82%

