

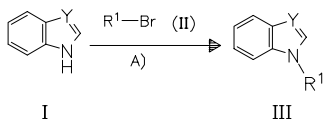
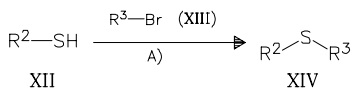
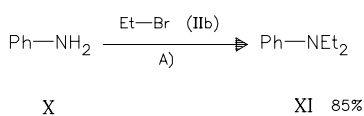
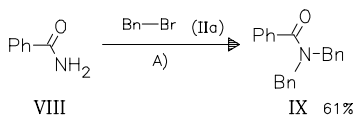
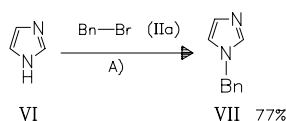
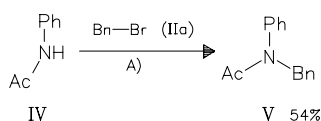

## N-Alkylation

O 0268

17-036

**KF/Al<sub>2</sub>O<sub>3</sub>-Mediated N-Alkylation of Amines and Nitrogen Heterocycles and****S-Alkylation of Thiols.** — The KF-Al<sub>2</sub>O<sub>3</sub> support is nonvolatile, ecofriendly, inexpensive, safe and clean. — (MOGHADDAM\*, F. M.; TAIMOORY, S. M. D.;

BARDAJEE, G. R.; Synth. Commun. 36 (2006) 22-24, 3599-3607; Dep. Chem., Sharif Univ. Technol., Tehran, Iran; Eng.) — M. Bohle

a R<sup>1</sup>: -Bn; Y: -CH= 86%b R<sup>1</sup>: -Et; Y: -CH= 74%c R<sup>1</sup>: -iBu; Y: -N= 68%d R<sup>1</sup>: -Bn; Y: -N= 79%A): KF-Al<sub>2</sub>O<sub>3</sub>, MeCN, refluxa R<sup>2</sup>: -Ph; R<sup>3</sup>: -Bn 91%b R<sup>2</sup>: -Ph; R<sup>3</sup>: -iPr 76%c R<sup>2</sup>: -Ph; R<sup>3</sup>:  87%d R<sup>2</sup>, R<sup>3</sup>: -Bu 78%e R<sup>2</sup>: -Bu; R<sup>3</sup>: -Pr 73%