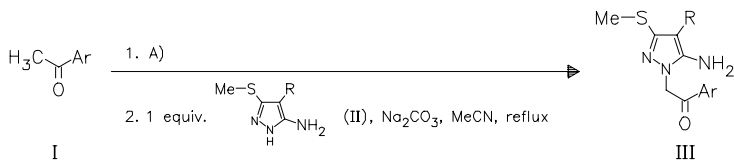




Imidazole derivatives

R 0190

32- 130

Utilization of Hypervalent Iodine in Organic Synthesis: A Novel and Facile Two-Step Protocol for the Synthesis of New Derivatives of 1H-Imidazo[1,2-b]pyrazole by the Cyclocondensation Involving α -Tosyloxyacetophenones.
 — (LI*, M.; ZHAO, G.; WEN, L.; CAO, W.; ZHANG, S.; YANG, H.; J. Heterocycl. Chem. 42 (2005) 2, 209-215; Coll. Chem. Mol. Eng., Qingdao Univ. Sci. Technol., Qingdao 266042, Peop. Rep. China; Eng.) — A. Forchert



- a R: $-\text{CO}-\text{O}-\text{Et}$; Ar: $-\text{Tol}$ 77%
 b R: $-\text{CO}-\text{O}-\text{Et}$; Ar:  69%
 c R: $-\text{CN}$; Ar: $-\text{Tol}$ 72%
 d R: $-\text{CN}$; Ar:  79%

A): 1 equiv. Ph-I(OH)-O-Tos, MeCN, reflux

