

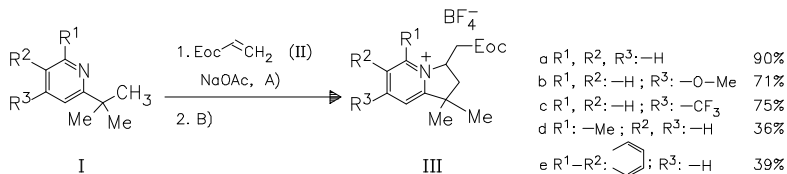
Fused pyridine derivatives

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37- 155

Aerobic Pd-Catalyzed sp^3 C—H Olefination: A Route to Both N-Heterocyclic Scaffolds and Alkenes. — The Pd-catalyzed olefination and cyclization of various 2-alkylpyridines and α,β -unsaturated alkenes utilizes air as the terminal oxidant and provides a conceptually novel entry to 6,5-nitrogen heterocycles, which constitute the cores of numerous alkaloid natural products. — (STOWERS, K. J.; FORTNER, K. C.; SANFORD*, M. S.; J. Am. Chem. Soc. 133 (2011) 17, 6541-6544, <http://dx.doi.org/10.1021/ja2015586>; Dep. Chem., Univ. Mich., Ann Arbor, MI 48109, USA; Eng.) — Bartels



Eoc: -CO-O-Et

A): air, 10 mol% Pd(MeCN)₄(BF₄)₂/3 mol% H₄PVMO₁₁O₄₀ (cat.), AcOH, 110°C, [18 h]

B): saturated aq. NaBF₄, CH₂Cl₂, 25°C

