

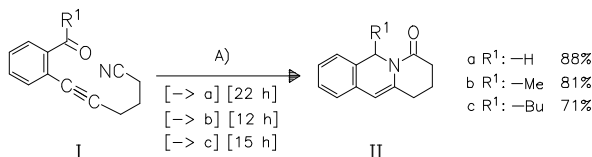
Cycloaddition reactions

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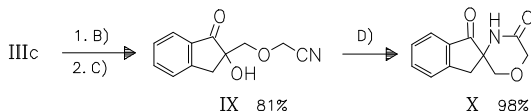
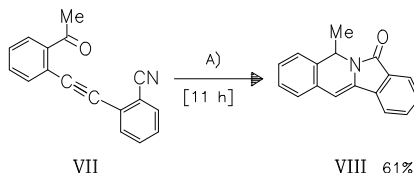
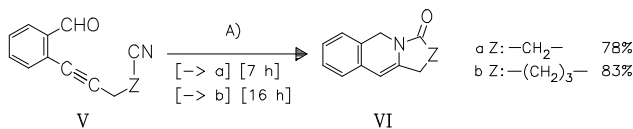
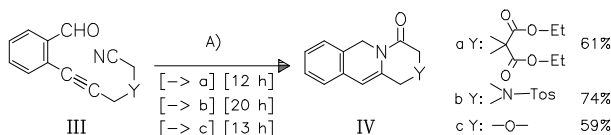
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**Chemoselectivities in the Platinum-Catalyzed Hydrative Carbocyclizations of Oxo-Alkyne-Nitrile Functionalities.** — Various nitrogen-containing heterocycles are prepared with the title method. An alternative synthetic application enables the preparation of spiro azacycles. — (MUKHERJEE, A.; LIU\*, R.-S.; *Org. Lett.* 13 (2011) 4, 660-663, <http://dx.doi.org/10.1021/ol1029047>; Dep. Chem., Natl. Tsing Hua Univ., Hsinchu 30013, Taiwan; Eng.) — H. Simon



A): 5 equiv. H<sub>2</sub>O, 15 mol% PtCl<sub>2</sub>/CO (cat.), dioxane, 80°C



B): 5 equiv. H<sub>2</sub>O, 5 mol% [PtCl<sub>2</sub>(C<sub>2</sub>H<sub>4</sub>)<sub>2</sub>]/CO (cat.), dioxane, 80°C, [2 h]

C): DBU, 10 mol% PTAC (cat.), CH<sub>2</sub>Cl<sub>2</sub>, 25°C, [up to 3 h]

D): 2 equiv. TFOH, toluene, 70°C, [3 h]

