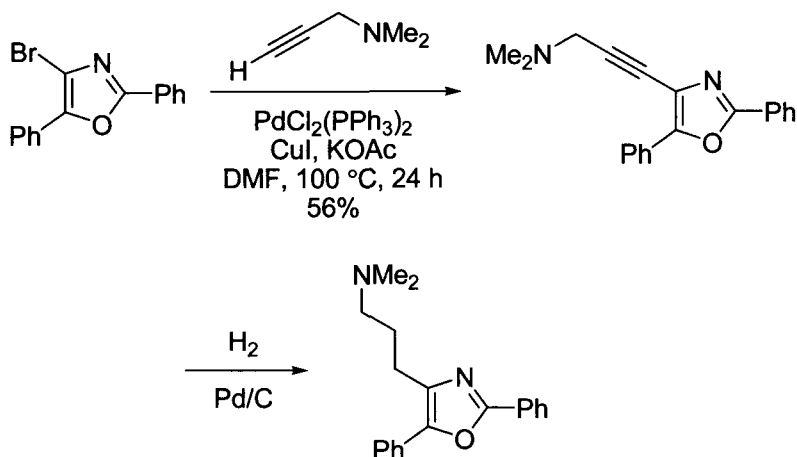


Yin and co-workers prepared a series of 3-dimethylaminopropyl-substituted heterocycles, including oxazoles, as inhibitors of the protein calcineurin through Sonogashira coupling.⁹⁰ The target compound is prepared after subsequent hydrogenation.



6.4.6 Heck Coupling

Scope of the reaction

Vinyl oxazoles are efficiently prepared through Stille reaction of a halooxazole with a vinyl stannane; therefore, there are relatively few reported Heck reactions of halooxazoles with olefins. Yamanaka's 1987 Sonogashira paper⁸⁸ included a section of Heck coupling reactions. The authors noted poor yields with 2-bromooxazoles, and yields that were variable at best for 4- and 5-bromooxazoles.

