

triflyloxazoles reacted cleanly. Gratifyingly, the Sonogashira reaction proceeded without any homocoupling of the acetylene, a common by-product in the Sonogashira reaction. Benzoxazoles and isoxazoles are also competent coupling partners in the Sonogashira reaction. If triethylamine is used with 2-triflyloxazoles, then the oxazole decomposes back to the oxazolone. However, 2,6-lutidine suppresses this decomposition and allows the Sonogashira coupling to proceed in good yield. This method was utilized in the synthesis of leucascandrolide A.

