Zinc-Mediated Highly α-Regioselective 1,4-Addition of Chalcones with Prenyl Bromide in THF

**Org. Lett. 2013, 15, 5154–5157.**

**Highly α-Regioselective 1,4-Addition of Chalcones with Prenyl Bromide**

Significance: An efficient method for the introduction of a prenyl group onto the β-position of chalcones by zinc-mediated conjugate addition in the presence of tin(IV) chloride (SnCl₄) is reported. The corresponding products are obtained in high yields and excellent α/γ-selectivities.

Comment: The reaction has proven to be highly α-regioselective in a 1,4-manner. Moreover, the α-regioselectivity of these additions is higher than that of the corresponding addition of allylic barium, lithium, and copper reagents.