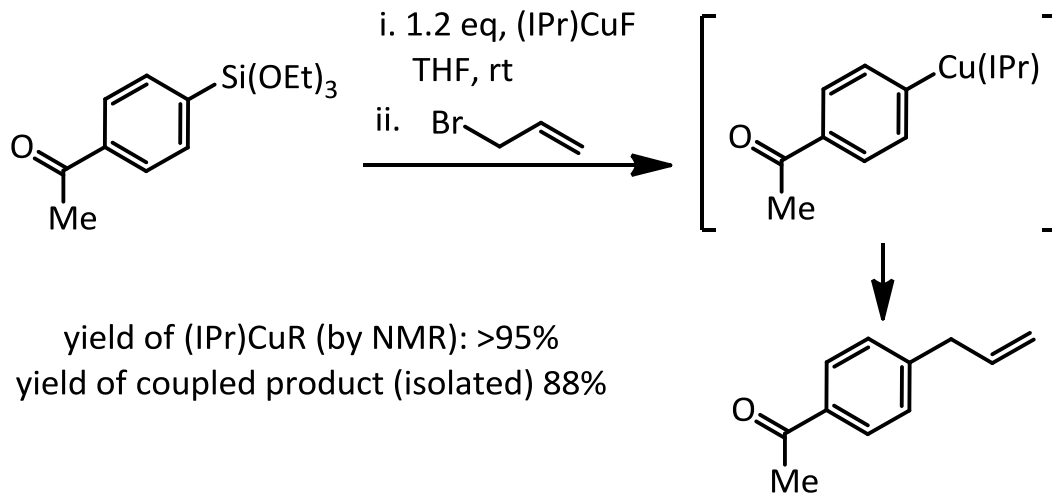
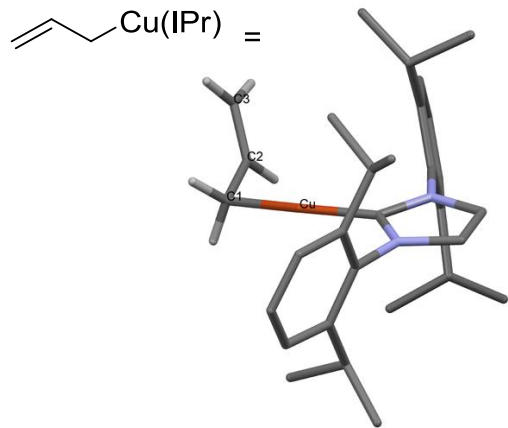




Copper(I) fluoride catalysts for organosilane activation

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The direct synthesis of functionalized copper organometallics is made possible by the use of stable copper(I) fluoride complexes stabilized by *N*-heterocyclic carbene (NHC) ligands. In many cases, the copper organometallics can be isolated and characterized. This capability has resulted in the first structural characterization of an allylcopper complex.



Catalytic applications of these ideas include cascade reactions forming several new C–C bonds, in processes triggered by C–Si bond activation with copper(I) fluoride catalysts.

