Scandium triflate as a pre-catalyst for deoxygenative allylation of benzylic alcohols
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Abstract: Scandium triflate has been shown to be an efficient catalyst for the deoxygenative allylation of variety of benzylic and benzyhydryl alcohols, and thus it is a good method for the formation of the carbon-carbon bond. It has been shown that the reaction actually proceeds through a “hidden Brønsted acid” mechanism. Benzyhydryl alcohols have proven to be the best substrates for this reaction due to the formation of the stabilized secondary carbocations.

Keywords: Scandium triflate, Deoxygenative allylation