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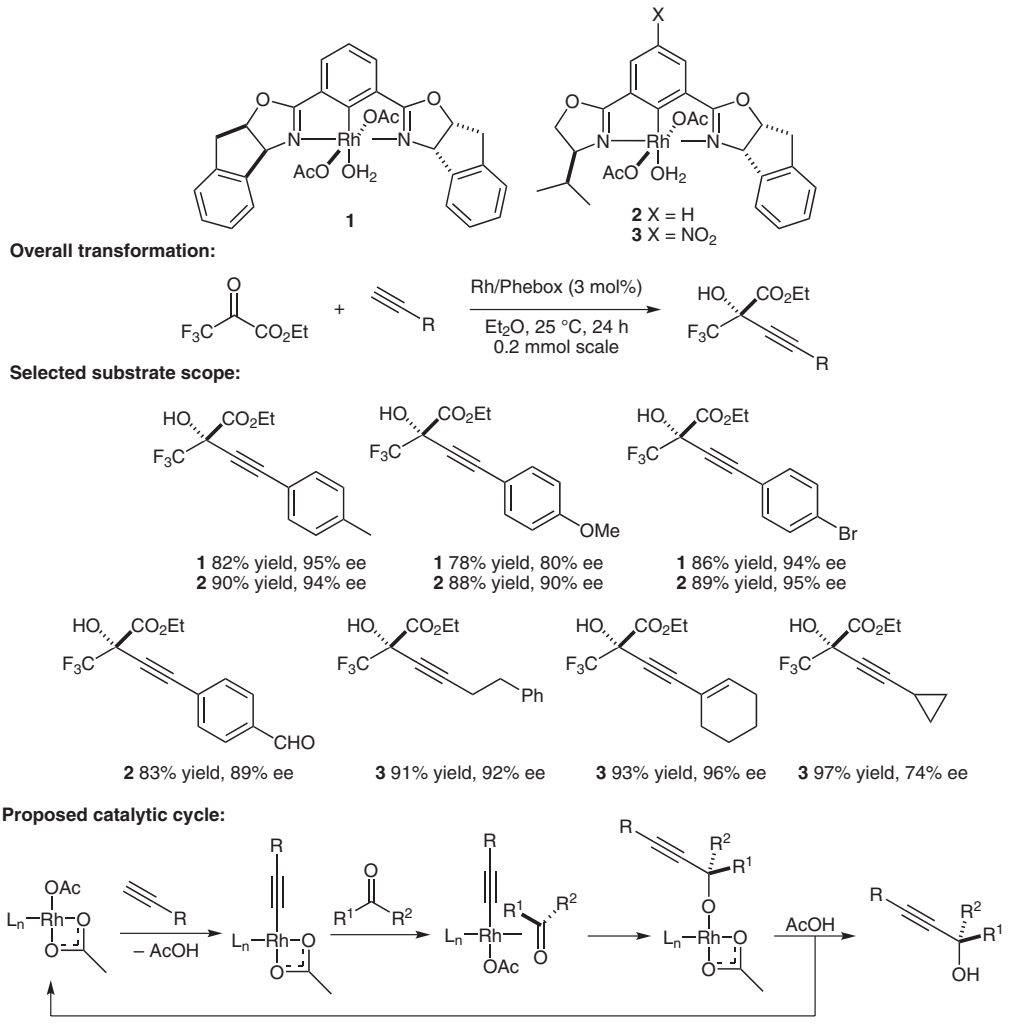
$C_1$-Symmetric Rh/Phebox-Catalyzed Asymmetric Alkynylation of α-Ketoesters
*Angew. Chem. Int. Ed.* **2011**, *50*, 6296-6300.

# Asymmetric Rhodium-Catalyzed Synthesis of Tertiary Propargyl Alcohols




**Significance:** In contrast to the results of reacting aldehydes, there have been a limited number of examples that demonstrate a chemoselective and highly asymmetric alkynylation of ketones. The authors report a Rh/Phebox-catalyzed alkynylation of α-keto esters. A variety of alkynes are utilized in generally good yields with good to excellent enantioselectivities.

**Comment:** A highly enantioselective Rh/Phebox-catalyzed process is reported for the synthesis of chiral tertiary propargyl alcohols. Yields are generally good to excellent and enantioselectivities are generally moderate to excellent. The chemoselective nature of this reaction is particularly noteworthy, as aldehydes and other functional groups are tolerated.

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Synfacts 2011, 9, 0967-0967 Published online: 19.08.2011
**DOI:** 10.1055/s-0030-1261004; **Reg-No.:** L08711SF