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Enantioselective Folding of Enynes by Gold(I) Catalysts with a Remote C₂-Chiral Element
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Gold-Catalyzed Enantioselective Cyclizations of Enynes through Remote Enantioinduction

Category

Metals in Synthesis

Key words

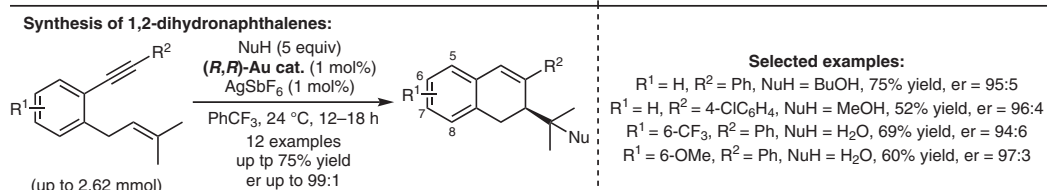
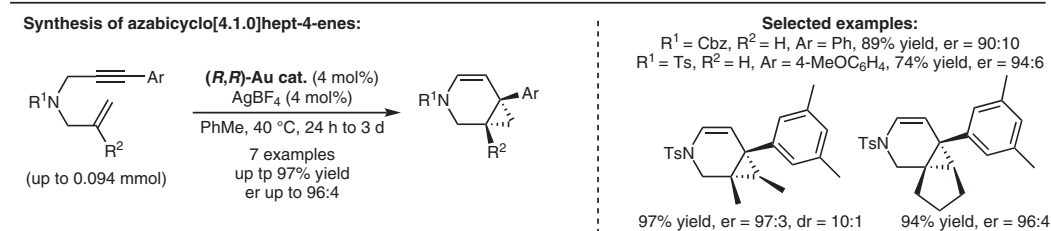
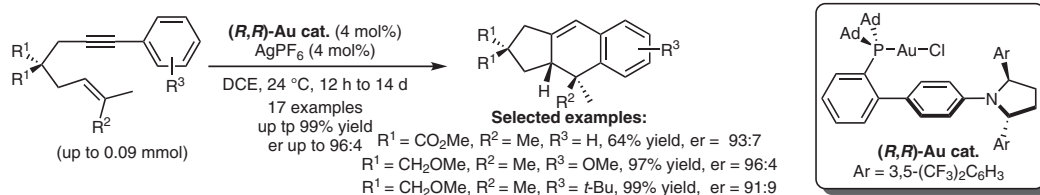
gold catalysis

remote enantioinduction

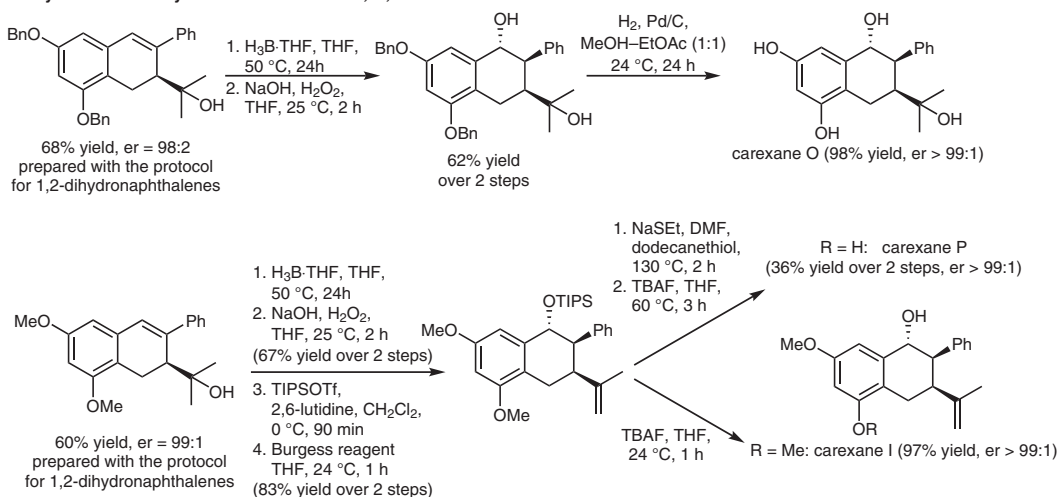
enynes

carexanes

Synfact
of the
Month



Asymmetric total syntheses of carexanes I, O, and P:



Significance: Various cyclizations were realized in an enantioselective fashion through the use of a modified JohnPhos ligand with a distal C₂ 2,5-dialkylpyrrolidine.

Comment: Hydrocyclization products were used successfully in the first enantioselective total syntheses of three natural products from the carexane family.

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