Gold-Catalyzed Enantioselective Cyclizations of Enynes through Remote Enantioinduction

Significance: Various cyclizations were realized in an enantioselective fashion through the use of a modified JohnPhos ligand with a distal C2,C2-chiral element. Hydrocyclization products were used successfully in the first enantioselective total syntheses of three natural products from the carexane family.

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