Key words

copper

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propargyl esters

C. ZHANG, X.-H. HU, Y.-H. WANG, Z. ZHENG, J. XU, X.-P. HU* (DALIAN INSTITUTE OF CHEMICAL PHYSICS AND GRADUATE UNIVERSITY OF CHINESE ACADEMY OF SCIENCES, BEIJING, P. R. OF CHINA)

Highly Diastereo- and Enantioselective Cu-Catalyzed [3+3] Cycloaddition of Propargyl Esters with Cyclic Enamines toward Chiral Bicyclo[n.3.1] Frameworks

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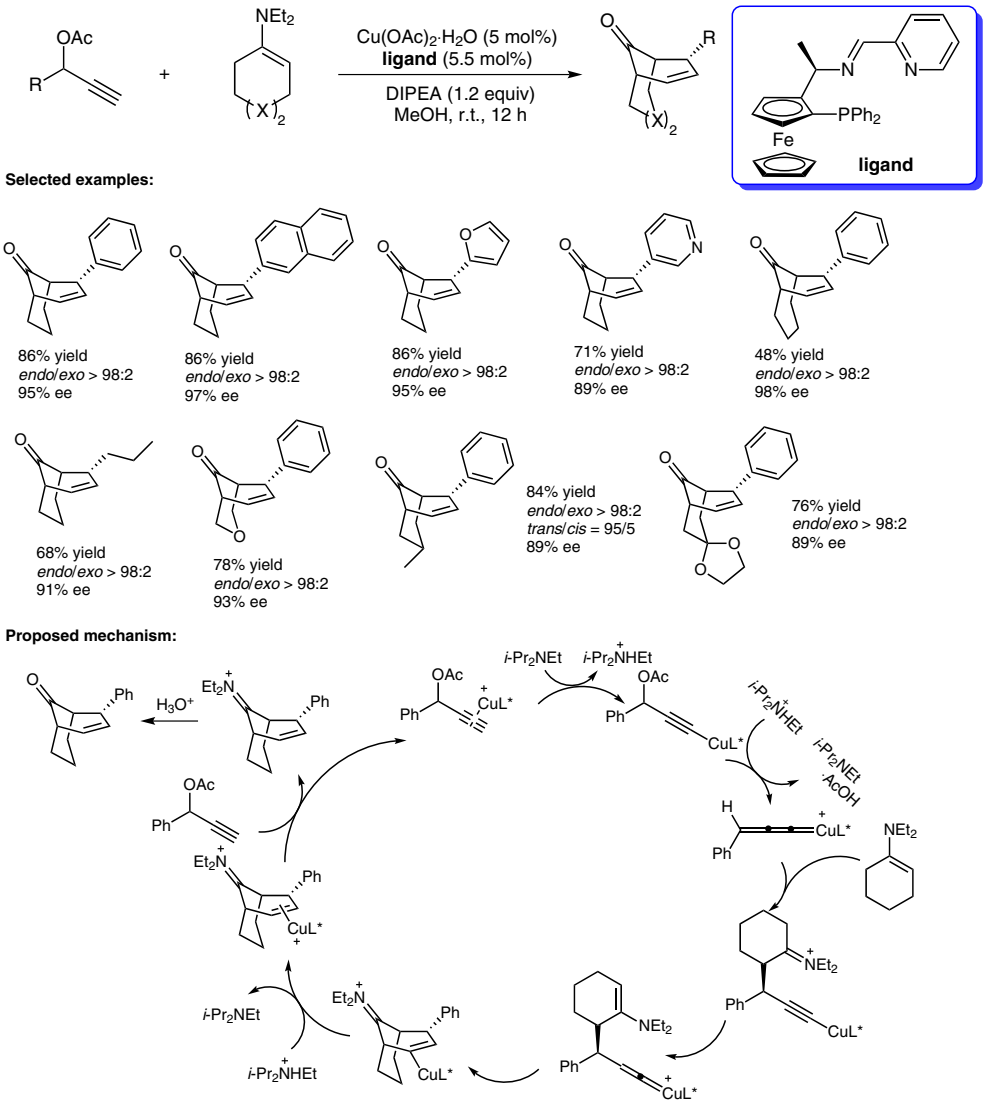
Enantioselective Cycloaddition of Propargyl Esters with Enamines



Significance: The authors reported the first example of Cu-catalyzed asymmetric [3+3] cycloaddition of propargyl esters with cyclic enamines. The desired bicyclo[n.3.1] frameworks were obtained with high yields and stereoselectivities.

Comment: This catalytic transformation features the utilization of copper allenylidene intermediates generated from propargyl esters as dielectrophilic C_3 synthons. Further investigations on mechanism and reaction scope are highly anticipated.

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