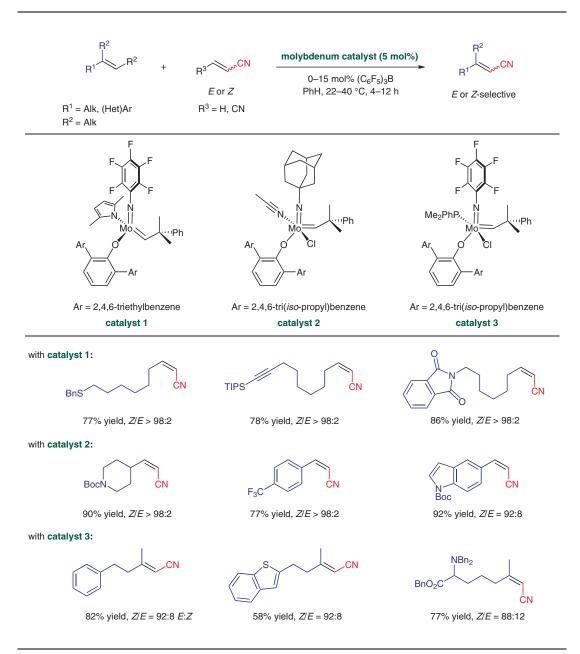
Y. MU, T. T. NGUYEN, M. J. KOH, R. R. SCHROCK, A. H. HOVEYDA* (BOSTON COLLEGE, CHESTNUT HILL AND MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, USA) E- and Z-, Di- and Tri-substituted Alkenyl Nitriles through Catalytic Cross-Metathesis Nat. Chem. 2019, 11, 478-487.

Di- and Tri-substituted Alkenyl Nitriles



Significance: Hoveyda and co-workers disclose the preparation of E- and Z-multiply-substituted alkenyl nitriles in high yields and excellent diastereoselectivities through molybdenum-catalyzed cross-metathesis reactions.

Comment: The choice of the molybdenum catalysis discussed in detail and the application of the methodology is demonstrated by the preparation of a wide range of biologically active substrates.

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Metals in Synthesis

Key words

alkenyl nitriles cross-metathesis molybdenum catalysis

