Di- and Tri-substituted Alkenyl Nitriles

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E- and Z-, Di- and Tri-substituted Alkenyl Nitriles through Catalytic Cross-Metathesis


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.

Key words: alkenyl nitriles, cross-metathesis, molybdenum catalysis