

Recent advances in selenium promoted or catalyzed electrophilic aminations of alkenes and alkynes

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Dedicated to Prof. Lorenzo Testaferri on the occasion of his 75th birthday

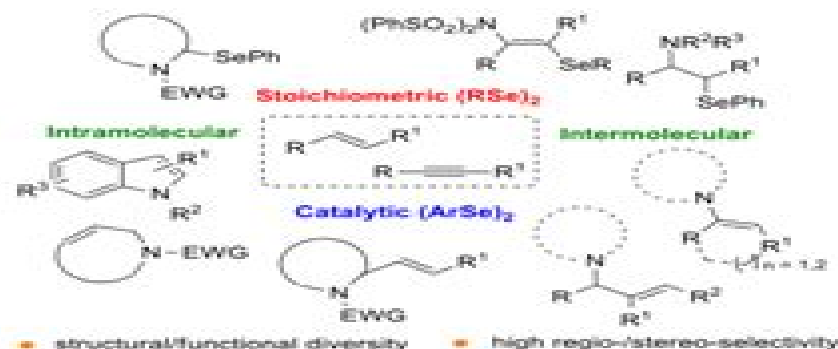
Received 09-27-2019

Accepted 11-05-2019

Published on line 11-30-2019

Abstract

In the last decades, synthetic methods for the construction of carbon-nitrogen bonds rapidly grew, due to the important applications of amino compounds in fine chemicals, biological and pharmaceutical sciences. The aminoselenenylations of alkenes and alkynes are versatile reactions that usually occur with high regio- and stereo-control under mild reaction conditions. Linear and cyclic compounds can be prepared with wide functional and structural diversity using stoichiometric or catalytic amounts of electrophilic selenium reagents. This review collects recent advances in this attractive and fruitful research field.



Keywords: Selenium, aminations, diorganyl diselenides, heterocycles, alkene functionalizations

Recent Advances In Selenium Physics

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