CYCLE DE CONFÉRENCES DE CHIMIE

Avec le concours de : ***Manufacture Française des Pneumatiques MICHELIN***
Ecole Nationale Supérieure de Chimie de Clermont-Ferrand
Institut de Chimie de Clermont-Ferrand (ICCF UMR 6296)
U.F.R. S.T. Département de Chimie

Jeudi 17 mars 2016 à 14 h 30

Amphi Rémy

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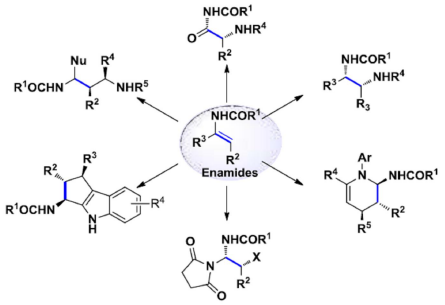
ASYMMETRIC DIFUNCTIONALIZATION OF ENAMIDES VIA HYDROGEN BOND CATALYSIS

Nitrogen-activated carbon-carbon double bonds, as demonstrated by successful existing works on enamines, have a high potential for the construction of various nitrogencontaining products. In order to expand the application of this class of substrates, we have focused on studying the reactivity of the promising enamide derivatives. Starting from the well-known aza-Diels-Alder reaction, we have gradually been drawn to develop other cycloaddition reactions and more generally an extended range of α,β-difunctionalization methods. This lecture will detail our contribution towards the the development of general approaches toward the synthesis of highly functionalized α,β-substituted amines1 in the context of an ongoing study towards the synthesis of various biologically active natural and non-natural products.



References

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